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**“DATABASES 2022-2023”**

**DATABASES LAB**

**CEID1124**

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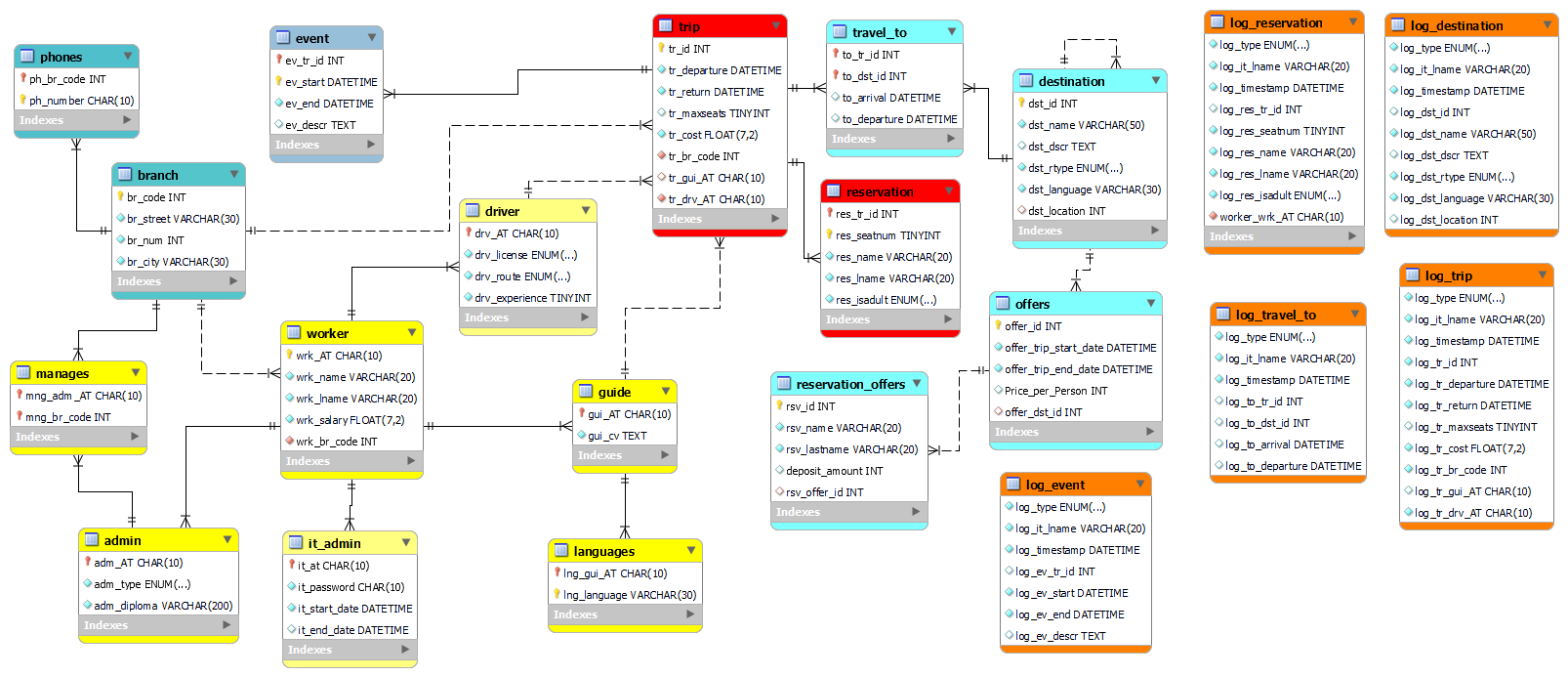
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# **Μέρος Α: Σχεδιασμός ΒΔ και SQL**

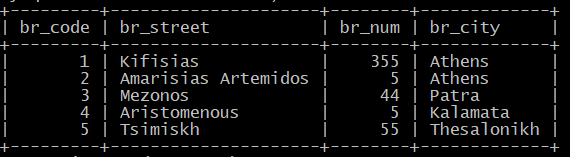
# **Κεφάλαιο 1 - Περιγραφή Βάσης**

Σχεσιακό διάγραμμα της συνολικής αναθεωρημένης ΒΔ.

## **Περιγραφή παραδοχών**

Για την σχεδίαση της βάσης δεδομένων μας κάναμε της παρακάτω παραδοχές:

* *Υποκαταστήματα (Branches)*



Δημιουργήσαμε πέντε branches. Δύο στην Αθήνα και από ένα στην Πάτρα, Καλαμάτα και Θεσσαλονίκη.

•Τηλέφωνα (Phones)



Τα δύο υποκαταστήματα της Αθήνας έχουν από δύο τηλέφωνα, επειδή τα γραφεία τους είναι μεγαλύτερα, ενώ τα υπόλοιπα υποκαταστήματα έχουν από ένα.

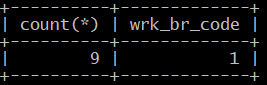
* *Εργαζόμενοι (Workers)*

*Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα*

Συνολικά όλα τα υποκαταστήματα μαζί έχουν 39 εργαζόμενους. Οι εργαζόμενοι χωρίζονται σε admins (διαχειριστές), it\_admins (υπεύθυνοι πληροφορικής), drives (οδηγούς) και guides (ξεναγούς). Κάθε branch έχει τρεις διαχειριστές, από έναν για την κάθε κατηγορία διαχείρισης (logistics, accounting, administrative). Σε κάποια υποκαταστήματα (branches 1 και 5) έχουμε θέσει κάποιους διαχειριστές να εκτελούν και αρμοδιότητες ξεναγού.

**Branch 1:**



Το Branch 1, έχει συνολικά 9 εργαζόμενους.

**Admins:**

Εικόνα που περιέχει κείμενο

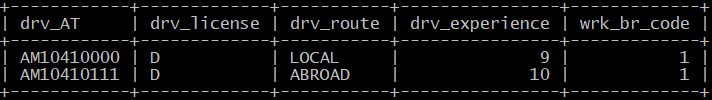
Περιγραφή που δημιουργήθηκε αυτόματα

**IT Admins:**

Εικόνα που περιέχει κείμενο

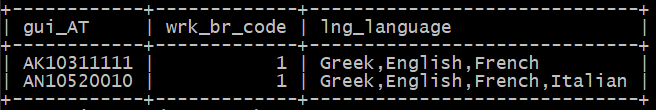
Περιγραφή που δημιουργήθηκε αυτόματα

**Drivers:**



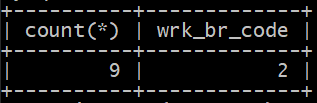
Έχουμε δύο drivers για το branch 1 έναν για ταξίδια στο εξωτερικό και έναν για το εξωτερικό.

**Guides:**



Παρατηρούμε πως ο logistics admin του branch 1 με ΑΤ = ΑΚ10311111 είναι και guide.

**Branch 2:**



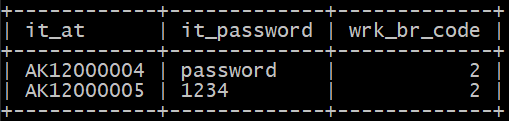
Το Branch 2, έχει επίσης 9 εργαζόμενους.

**Admins:**

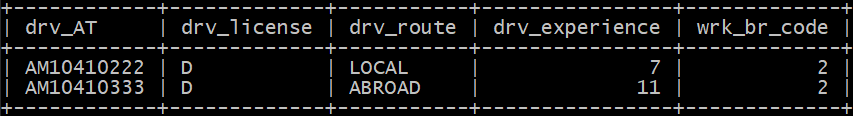
Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

**IT Admins:**

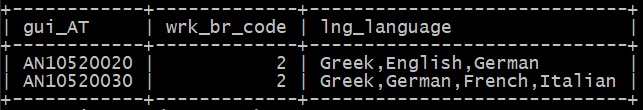


**Drivers:**

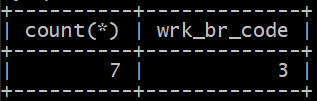


Έχουμε δύο drivers για το branch 2 έναν για ταξίδια στο εξωτερικό και έναν για το εξωτερικό.

**Guides:**



**Branch 3:**



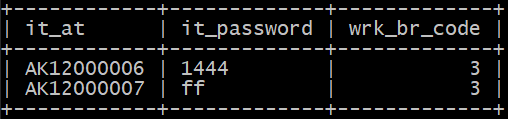
Το Branch 3, που είναι στην Πάτρα έχει συνολικά 7 εργαζόμενους.

**Admins:**

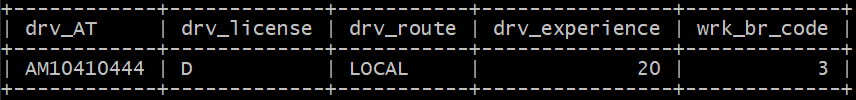
Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

**IT Admins:**



**Drivers:**

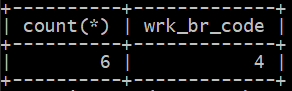


Έχουμε έναν driver για το branch 3, ο οποίος ταξιδεύει μόνο στο εσωτερικό. Το υποκατάστημα 3 στην Πάτρα δηλαδή κάνει μόνο ταξίδια στο εσωτερικό.

**Guides:**



**Branch 4:**



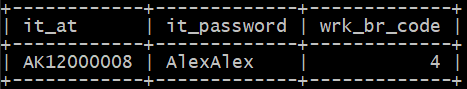
Το Branch 4, που είναι στην Καλαμάτα έχει συνολικά 4 εργαζόμενους.

**Admins:**

Εικόνα που περιέχει κείμενο

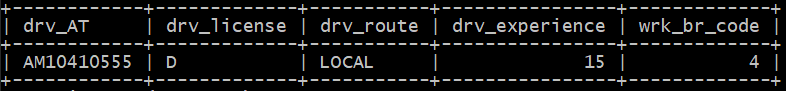
Περιγραφή που δημιουργήθηκε αυτόματα

**IT Admins:**



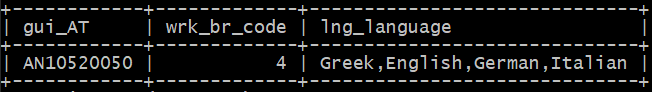
Βλέπουμε πως αυτό το branch έχει μόνο έναν υπεύθυνο πληροφορικής.

**Drivers:**

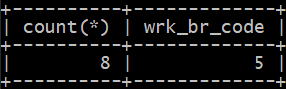


Έχουμε έναν driver για το branch 4, ο οποίος ταξιδεύει μόνο στο εσωτερικό. Το υποκατάστημα 4 στην Καλαμάτα δηλαδή κάνει μόνο ταξίδια στο εσωτερικό.

**Guides:**



**Branch 5:**



Το Branch 5, που είναι στην Θεσσαλονίκη έχει συνολικά 8 εργαζόμενους.

**Admins:**

Εικόνα που περιέχει κείμενο

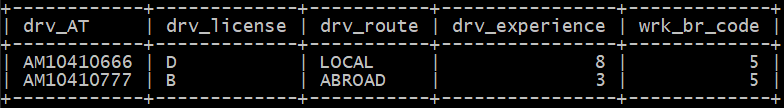
Περιγραφή που δημιουργήθηκε αυτόματα

**IT Admins:**

Εικόνα που περιέχει κείμενο

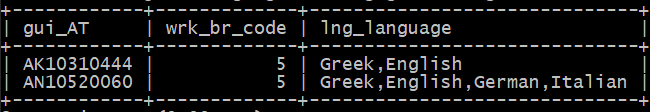
Περιγραφή που δημιουργήθηκε αυτόματα

**Drivers:**



Έχουμε δύο driver για το branch 5, έναν για ταξίδια στο εξωτερικό και έναν για το εσωτερικό. Το υποκατάστημα 5 στην Θεσσαλονίκη δηλαδή διοργανώνει ταξίδια και των δύο ειδών.

**Guides:**



Παρατηρούμε, ότι όπως και στο branch 1, ένας από τους ξεναγούς του branch 5 είναι logistics admin.

* **Ταξίδια (Trips)**

Συνολικά το ταξιδιωτικό γραφείο διοργανώνει 30 ταξίδια.

*Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα*

Κάθε υποκατάστημα διοργανώνει 6 διαφορετικά ταξίδια.

Εικόνα που περιέχει κείμενο

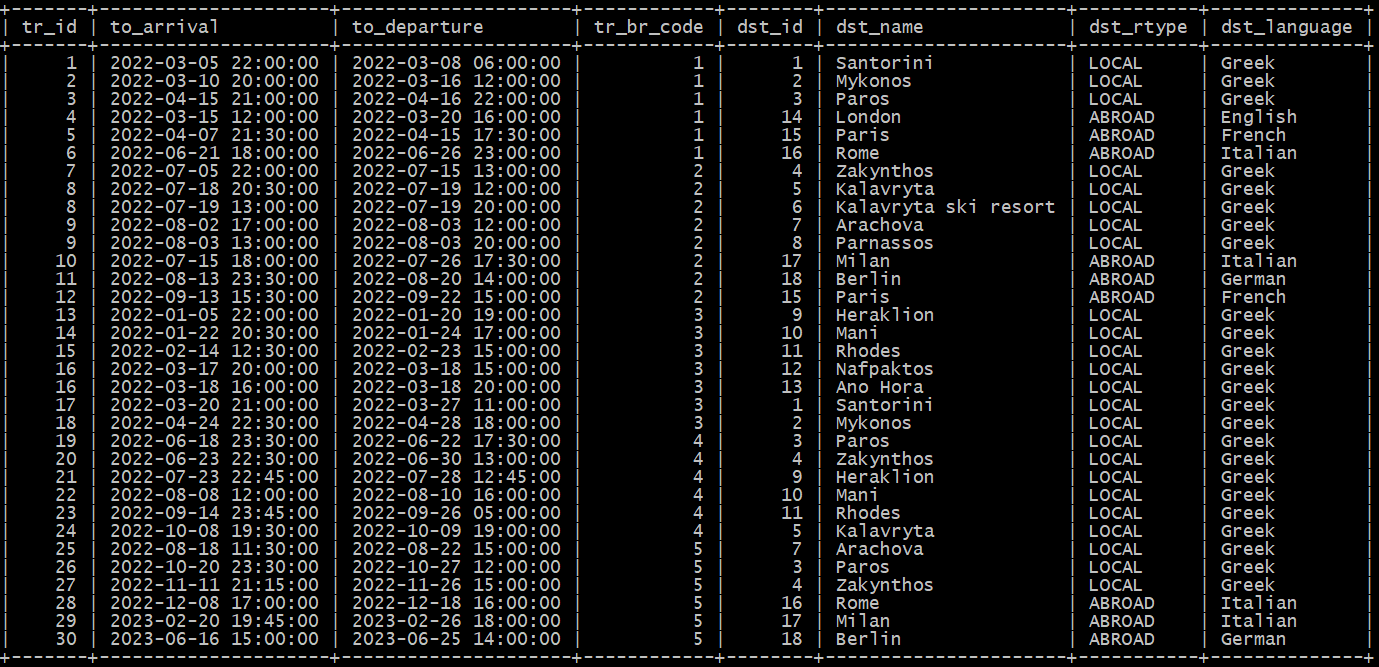
Περιγραφή που δημιουργήθηκε αυτόματα

Για αυτά τα ταξίδια υπάρχουν 18 πιθανοί προορισμοί, 13 στο εσωτερικό και 5 στο εξωτερικό.

Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

Οι προορισμοί που δεν έχουν το πεδίο dst\_location NULL, είναι υπο-προορισμοί, δηλαδή αποτελούν έναν προορισμός που μπορούν να επισκεφτεί οι πελάτες ενός ταξιδιού μόνο αν το ταξίδι τους περιλαμβάνει τον υπερ-προορισμό. Υπο-προορισμού αποτελούν αυτοί με dst\_id = 6(Kalavrita Ski Resort), 8(Parnassos), 13(Ano Hora) και ανήκουν στους προορισμούς με dst\_id = 5(Kalavrita), 7(Arachova), 12(Nafpaktos) αντίστοιχα.

Παρακάτω φαίνονται όλα τα ταξίδια του ταξιδιωτικού γραφείου μαζί με τους αντίστοιχους προορισμούς τους.

Εικόνα που περιέχει κείμενο, ηλεκτρονικές συσκευές, συνθεσάιζερ

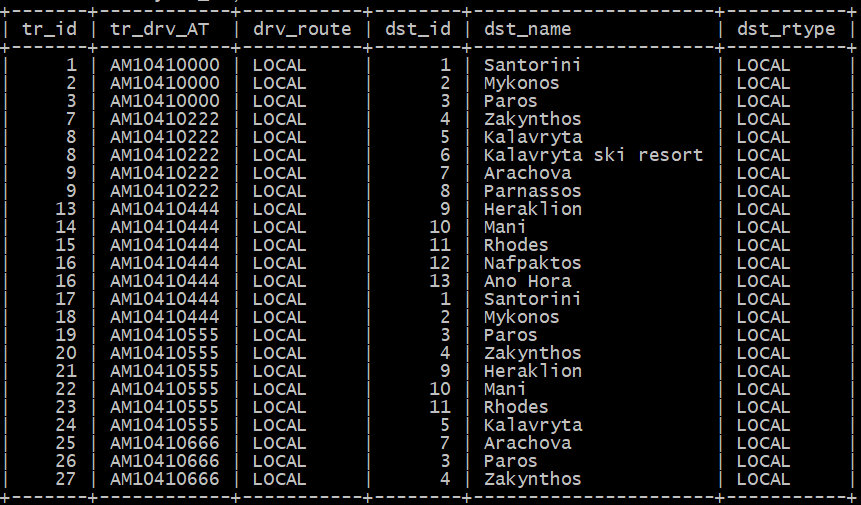
Περιγραφή που δημιουργήθηκε αυτόματαΣε αυτό το σημείο μπορούμε να επιβεβαιώσουμε ότι μόνο τα υποκαταστήματα της Αθήνας και της Θεσσαλονίκης έχουν ταξίδια στο εξωτερικό.

Φυσικά έχουμε φροντίσει όλοι οι οδηγοί σε ταξίδια του εξωτερικού να έχουν το πεδίο drv\_route = ‘ABROAD’.

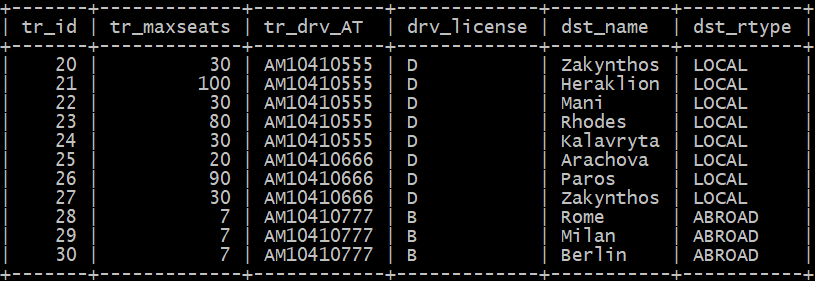
Εικόνα που περιέχει κείμενο, πίνακας αποτελεσμάτων

Περιγραφή που δημιουργήθηκε αυτόματα

Αντίστοιχα για ταξίδια του εσωτερικού να είναι LOCAL.



Επίσης σε κάποια ταξίδια χρησιμοποιούνται οδηγοί που κατέχουν άδεια οδήγησης τύπου Β (για βανάκι), κάτι που αντιπροσωπεύεται από των μέγιστο αριθμό θέσεων.



Στα trips 28-30 βλέπουμε ότι ο μέγιστος αριθμός θέσεων είναι 7 και οι οδηγός για αυτά τα ταξίδια έχει δίπλωμα τύπου Β.

* **Δραστηριότητες (Events)**

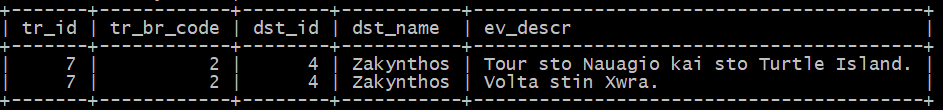
Κάθε trip μπορεί να περιλαμβάνει ένα ή περισσότερα events.

Παράδειγμα trip με ένα event.

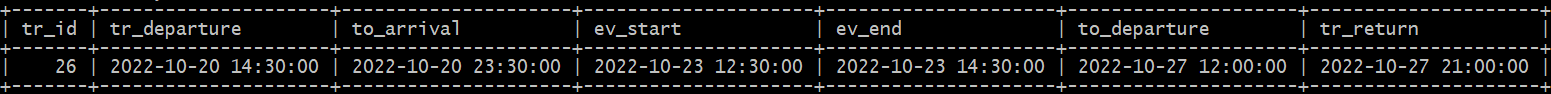
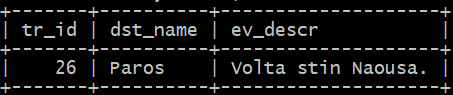
Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

Παράδειγμα trip με δυο events.



Φυσικά έχουμε φροντίσει όλες οι ώρες αποχώρησης και άφιξη να βγάζουν νόημα.

Για παράδειγμα στο trip 26 στην Πάρο.

Βλέπουμε ότι το ταξίδι ξεκινάει στις 20/10, 14:30 και η ώρα άφιξης είναι στις 23:30. Η ημερομηνία έναρξης της προγραμματισμένης βόλτας στην Νάουσα είναι 23/10 από τις 12:30 μέχρι τις 14:30. Τέλος η αποχώρηση από το νησί γίνεται στις 27/10 12:00 και οι πελάτες επιστρέφουν στα σπίτια τους στις 21:00. Συνολικά δηλαδή το ταξίδι κράτησε 7 μέρες αν δεν μετρήσουμε την μέρα της επιστροφής.

* **Κρατήσεις (Reservations)**

Όσον αφορά τις κρατήσεις έχουμε κάνει τρείς κρατήσεις για κάθε ταξίδι. Στις οποίες σιγουρευτήκαμε να συμπεριλάβουμε και ADULTS και MINORS.

Για παράδειγμα βλέπουμε τις πρώτες 9 κρατήσεις παρακάτω.

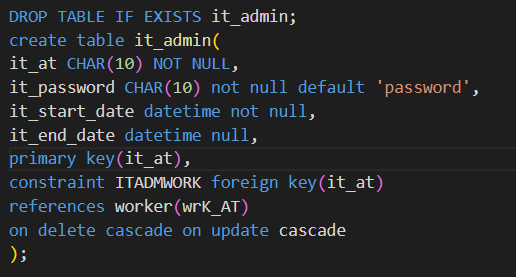
Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

**Νέοι Πίνακες**

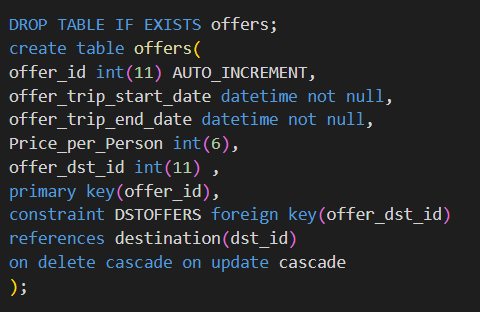
Φτιάχνουμε τον πίνακα it\_admin που έχει τέσσερα πεδία και τον χρειαζόμαστε για το GUI και για να αναπαραστήσουμε έναν υπεύθυνο πληροφορικής (IT) ενός πρακτορείου. Την βάση δεδομένων την χειρίζεται ένας από τους υπεύθυνους πληροφορικής (IT) του πρακτορείου. Είναι worker, και έχει μοναδικό κλειδί το it\_at (char(10) ) το οποίο είναι ξένο κλειδί στο worker.wrk\_AT. Επίσης έχει ένα κωδικό 10 χαρακτήρων με default τιμή ‘password’ με τον οποίο θα κάνουμε login στην βάση μέσω του GUI, ημερομηνία (start\_date) που ανέλαβε τον ρόλο αυτόν η οποία είναι not null. Επίσης υπάρχει end\_date ημερομηνία για όσους it\_admins έχουν φύγει από το πρακτορείο.

Κάθε φορά που κάνουμε insert σε αυτόν τον πίνακα πρέπει να καλέσουμε την stored procedure create\_user() ή create\_select\_user() (ανάλογα με τα δικαιώματα που θέλουμε να του δώσουμε), για να δημιουργηθεί ένας user στην βάση με τα στοιχεία του καινούριου it\_admin. Η υλοποίηση των procedures εξηγείται στο κεφάλαιο 2.



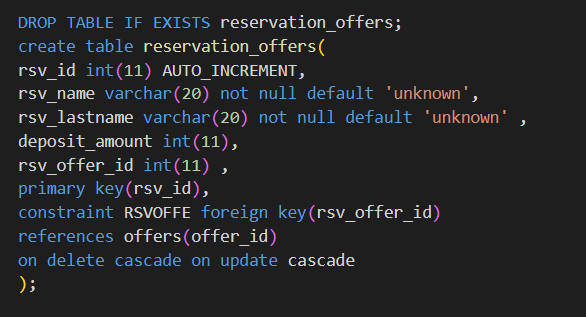
**Offers:**

Ο πίνακας offers έχει πέντε πεδία και τον χρειαζόμαστε για να υπάρχει η δυνατότητα να καταχωρούνται προσφορές ταξιδιών. Το πρώτο πεδίο είναι ο κωδικός της προσφοράς ο οποίος είναι μοναδικός. Το δεύτερο και τρίτο πεδίο είναι η περίοδος που μπορεί να πραγματοποιηθεί ένα ταξίδι (δεν προσδιορίζει την διάρκεια του ταξιδιού αλλά το διάστημα που είναι δυνατόν να πραγματοποιηθεί). Το τέταρτο πεδίο είναι το κόστος ανά άτομο και το πέμπτο πεδίο είναι ο κωδικός του προορισμού(dst\_id) ο οποίος είναι ξένο κλειδί στο destination.dst\_id.



**Reservation Offers:**

Ο πίνακας reservation\_offers έχει πέντε πεδία και αναπαριστά τις κρατήσεις στις προσφορές ταξιδιών. Το πρώτο πεδίο είναι ο κωδικό κράτησης ο οποίος είναι μοναδικός. Το δεύτερο και τρίτο πεδίο είναι το όνομα και επώνυμο του πελάτη. Το τέταρτο πεδίο είναι το ποσό προκαταβολής και το πέμπτο πεδίο είναι ο κωδικός προσφοράς ταξιδιού ο οποίος είναι ξένο κλειδί στο offers.offer\_id. Με τους δύο πίνακες offers και reservation\_offers το ταξιδιωτικό πρακτορείο σχεδιάζει μελλοντικές εκδρομές.



**Log Tables:**

Για να μπορούμε να κρατάμε ιστορικό των αλλαγών που εκτελούμε στους πίνακες trip, reservation, event, travel\_to και destination δημιουργήσαμε αντίστοιχα τους πίνακες **log\_trip**, **log\_ reservation**, **log\_travel\_to** και **log\_destination.** Όλοι οι πίνακες περιλαμβάνουν τα πεδία: log\_type τύπου ENUM, που αναπαριστά το είδος της δράσης που εκτελέστηκε, log\_it\_lname, που αναπαριστά το username του it\_admin που έκανε την δράση και log\_timestamp, που δείχνει την ώρα που έγινε η δράση. Η διαφορά των πινάκων βρίσκεται στα υπόλοιπα πεδία, τα οποία ταυτίζονται με τα πεδία του πίνακα στον οποίο αναφέρονται. Έτσι μπορούμε να αποθηκεύουμε τις τιμές που είχε ο πίνακας πριν κάνουμε UPDATE ή DELETE και τις καινούριες τιμές όταν κάνουμε INSERT.

Για παράδειγμα μπορούμε να δούμε τα πεδία του πίνακας log\_trip:

Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

Φυσικά η εισαγωγή εγγραφών στους πίνακες log, γίνεται με χρήση triggers, κάτι που εξηγείται αναλυτικά στο κεφάλαιο 3.

## **Κώδικας CREATE-INSERT**

DROP TABLE IF EXISTS branch;

CREATE TABLE branch (

    br\_code INT(11) NOT NULL AUTO\_INCREMENT ,

    br\_street VARCHAR(30) DEFAULT 'unknown' NOT NULL,

    br\_num INT(4) DEFAULT 0 NOT NULL,

    br\_city VARCHAR(30) DEFAULT 'unknown' NOT NULL,

    PRIMARY KEY (br\_code)

) ;

DROP TABLE IF EXISTS phones;

CREATE TABLE phones (

    ph\_br\_code INT(11) NOT NULL ,

    ph\_number CHAR(10)  DEFAULT 'unknown' NOT NULL,

    PRIMARY KEY (ph\_br\_code , ph\_number),

    CONSTRAINT branch\_Phone FOREIGN KEY (ph\_br\_code) REFERENCES branch(br\_code)

    ON DELETE CASCADE ON UPDATE CASCADE

) ;

DROP TABLE IF EXISTS worker;

CREATE TABLE worker (

    wrk\_AT CHAR(10) NOT NULL ,

    wrk\_name VARCHAR(20) DEFAULT 'unknown' NOT NULL,

    wrk\_lname VARCHAR(20) DEFAULT 'unknown' NOT NULL,

    wrk\_salary float(7,2)  DEFAULT 0 NOT NULL,

    wrk\_br\_code Int(11) NOT NULL,

    PRIMARY KEY (wrk\_AT),

    CONSTRAINT branch\_Worker FOREIGN KEY (wrk\_br\_code) REFERENCES branch(br\_code)

    ON DELETE CASCADE ON UPDATE CASCADE

) ;

DROP TABLE IF EXISTS driver;

CREATE TABLE driver (

    drv\_AT CHAR(10) NOT NULL,

    drv\_license ENUM('A','B', 'C' , 'D') NOT NULL,

    drv\_route ENUM('LOCAL','ABROAD') NOT NULL,

    drv\_experience TINYINT(4)  DEFAULT 0 NOT NULL ,

    PRIMARY KEY (drv\_AT),

    CONSTRAINT Worker\_Driver FOREIGN KEY ( drv\_AT) REFERENCES worker(wrk\_AT)

    ON DELETE CASCADE ON UPDATE CASCADE

) ;

DROP TABLE IF EXISTS guide;

CREATE TABLE guide (

    gui\_AT CHAR(10) NOT NULL,

    gui\_cv TEXT NOT NULL,

    PRIMARY KEY (gui\_AT),

    CONSTRAINT Worker\_Guide FOREIGN KEY (gui\_AT) REFERENCES worker(wrk\_AT)

    ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS languages;

CREATE TABLE languages (

    lng\_gui\_AT CHAR(10) NOT NULL,

    lng\_language varchar(30),

    PRIMARY KEY (lng\_gui\_AT , lng\_language),

    CONSTRAINT Guide\_Languages FOREIGN KEY (lng\_gui\_AT) REFERENCES guide( gui\_AT)

    ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS admin;

CREATE TABLE admin (

    adm\_AT CHAR(10) NOT NULL,

    adm\_type ENUM('LOGISTICS' ,'ADMINISTRATIVE', 'ACCOUNTING') NOT NULL ,

    adm\_diploma VARCHAR(200) DEFAULT 'unknown' NOT NULL,

    PRIMARY KEY (adm\_AT),

    CONSTRAINT Worker\_admin FOREIGN KEY (adm\_AT) REFERENCES worker(wrk\_AT)

    ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS manages;

CREATE TABLE manages (

    mng\_adm\_AT CHAR(10) NOT NULL,

    mng\_br\_code INT(11) NOT NULL,

    PRIMARY KEY (mng\_adm\_AT , mng\_br\_code),

    CONSTRAINT Admin\_Managers FOREIGN KEY (mng\_adm\_AT) REFERENCES admin(adm\_AT)

    ON DELETE CASCADE ON UPDATE CASCADE,

    CONSTRAINT Branch\_Managers FOREIGN KEY (mng\_br\_code) REFERENCES branch(br\_code)

    ON DELETE CASCADE ON UPDATE CASCADE

);

DROP TABLE IF EXISTS trip;

create table trip (

tr\_id int(11) not null auto\_increment,

tr\_departure datetime not null,

tr\_return datetime not null,

tr\_maxseats tinyint(4),

tr\_cost float(7,2) not null default 0,

tr\_br\_code int(11) not null,

tr\_gui\_AT char(10),

tr\_drv\_AT char(10) not null,

primary key(tr\_id),

constraint BRCH

foreign key(tr\_br\_code)

references branch(br\_code)

on delete cascade on update cascade,

constraint DRVR

foreign key(tr\_drv\_AT)

references driver(drv\_AT)

on delete cascade on update cascade,

constraint GUID

foreign key(tr\_gui\_AT)

references guide(gui\_AT)

on delete cascade on update cascade

);

DROP TABLE IF EXISTS event;

create table event(

ev\_tr\_id int(11),

ev\_start datetime not null,

ev\_end datetime not null,

ev\_descr text,

primary key(ev\_tr\_id, ev\_start),

constraint TRIP

foreign key(ev\_tr\_id)

references trip(tr\_id)

on delete cascade

on update cascade

);

DROP TABLE IF EXISTS destination;

create table destination(

dst\_id int(11) auto\_increment ,

dst\_name varchar(50) not null,

dst\_dscr text,

dst\_rtype enum('LOCAL', 'ABROAD') not null,

dst\_language varchar(30) not null,

dst\_location int(11) ,

primary key(dst\_id),

constraint LOC

foreign key(dst\_location)

references destination(dst\_id)

on delete cascade

on update cascade

);

DROP TABLE IF EXISTS travel\_to;

create table travel\_to(

to\_tr\_id int(11),

to\_dst\_id int(11),

to\_arrival datetime,

to\_departure datetime,

primary key(to\_tr\_id, to\_dst\_id),

constraint TRP

foreign key(to\_tr\_id)

references trip(tr\_id)

on delete cascade on update cascade,

constraint DEST

foreign key(to\_dst\_id)

references destination(dst\_id)

on delete cascade on update cascade

);

DROP TABLE IF EXISTS reservation;

create table reservation(

res\_tr\_id int(11),

res\_seatnum tinyint(4) not null,

res\_name varchar(20) not null default 'unknown',

res\_lname varchar(20) not null default 'unknown',

res\_isadult enum('ADULT','MINOR') not null,

primary key(res\_tr\_id, res\_seatnum),

constraint TR

foreign key(res\_tr\_id)

references trip(tr\_id)

on delete cascade on update cascade

);

DROP TABLE IF EXISTS it\_admin;

create table it\_admin(

it\_at CHAR(10) NOT NULL,

it\_password CHAR(10) not null default 'password',

it\_start\_date datetime not null,

it\_end\_date datetime null,

primary key(it\_at),

constraint ITADMWORK foreign key(it\_at)

references worker(wrK\_AT)

on delete cascade on update cascade

);

DROP TABLE IF EXISTS log\_trip;

CREATE TABLE log\_trip (

log\_type ENUM('INSERT', 'UPDATE', 'DELETE') NOT NULL,

log\_it\_lname VARCHAR(20) DEFAULT 'unknown' NOT NULL,

log\_timestamp DATETIME NOT NULL,

log\_tr\_id int(11) not null,

log\_tr\_departure datetime not null,

log\_tr\_return datetime not null,

log\_tr\_maxseats tinyint(4),

log\_tr\_cost float(7,2) not null,

log\_tr\_br\_code int(11) not null,

log\_tr\_gui\_AT char(10),

log\_tr\_drv\_AT char(10) not null

);

DROP TABLE IF EXISTS log\_reservation;

CREATE TABLE log\_reservation(

log\_type ENUM('INSERT', 'UPDATE', 'DELETE') NOT NULL,

log\_it\_lname VARCHAR(20) DEFAULT 'unknown' NOT NULL,

log\_timestamp DATETIME NOT NULL,

log\_res\_tr\_id INT(11),

log\_res\_seatnum TINYINT(4) NOT NULL,

log\_res\_name VARCHAR(20) NOT NULL,

log\_res\_lname VARCHAR(20) NOT NULL,

log\_res\_isadult enum('ADULT','MINOR') NOT NULL

);

DROP TABLE IF EXISTS log\_event;

CREATE TABLE log\_event(

log\_type ENUM('INSERT', 'UPDATE', 'DELETE') NOT NULL,

log\_it\_lname VARCHAR(20) DEFAULT 'unknown' NOT NULL,

log\_timestamp DATETIME NOT NULL,

log\_ev\_tr\_id INT(11),

log\_ev\_start DATETIME NOT NULL,

log\_ev\_end DATETIME NOT NULL,

log\_ev\_descr TEXT

);

DROP TABLE IF EXISTS log\_travel\_to;

CREATE TABLE log\_travel\_to(

log\_type ENUM('INSERT', 'UPDATE', 'DELETE') NOT NULL,

log\_it\_lname VARCHAR(20) DEFAULT 'unknown' NOT NULL,

log\_timestamp DATETIME NOT NULL,

log\_to\_tr\_id INT(11),

log\_to\_dst\_id INT(11),

log\_to\_arrival DATETIME,

log\_to\_departure DATETIME

);

DROP TABLE IF EXISTS log\_destination;

CREATE TABLE log\_destination(

log\_type ENUM('INSERT', 'UPDATE', 'DELETE') NOT NULL,

log\_it\_lname VARCHAR(20) DEFAULT 'unknown' NOT NULL,

log\_timestamp DATETIME NOT NULL,

log\_dst\_id INT(11),

log\_dst\_name VARCHAR(50) NOT NULL,

log\_dst\_dscr TEXT,

log\_dst\_rtype enum('LOCAL', 'ABROAD') NOT NULL,

log\_dst\_language varchar(30) NOT NULL,

log\_dst\_location INT(11)

);

DROP TABLE IF EXISTS offers;

create table offers(

offer\_id int(11) AUTO\_INCREMENT,

offer\_trip\_start\_date datetime not null,

offer\_trip\_end\_date datetime not null,

Price\_per\_Person int(6),

offer\_dst\_id int(11) ,

primary key(offer\_id),

constraint DSTOFFERS foreign key(offer\_dst\_id)

references destination(dst\_id)

on delete cascade on update cascade

);

DROP TABLE IF EXISTS reservation\_offers;

create table reservation\_offers(

rsv\_id int(11) AUTO\_INCREMENT,

rsv\_name varchar(20) not null default 'unknown',

rsv\_lastname varchar(20) not null default 'unknown' ,

deposit\_amount int(11),

rsv\_offer\_id int(11) ,

primary key(rsv\_id),

constraint RSVOFFE foreign key(rsv\_offer\_id)

references offers(offer\_id)

on delete cascade on update cascade

);

/\*Insert\*/

INSERT INTO branch VALUES

(null , 'Kifisias ', 355 , 'Athens'),

(null , 'Amarisias Artemidos' , 5 , 'Athens'),

(null , 'Mezonos', 44 , 'Patra'),

(null , 'Aristomenous' , 5 , 'Kalamata'),

(null , 'Tsimiskh' , 55 , 'Thesalonikh');

INSERT INTO phones VALUES

(1 , '2101111111'),

(1 ,  '2101222222'),

(2 , '2102222222'),

(2 , '2102333333'),

(3 , '2103333333'),

(4 ,  '2104444444'),

(5 ,  '2105555555');

INSERT INTO worker VALUES

('AK10311111' , 'Giannhs' , 'Vasiliou' ,'1547.55' ,1),

('AK10322222' , 'Artemis' ,'Papadopoulou' ,'1800.34',1),

('AK10333333' ,  'Georgia' ,'Makri' ,'2000',1),

('AK10344444' ,  'Greg' ,'Stephanopoulos' ,'1600',2),

('AK10355555' ,  'Iason', 'Raikos','1800.99',2),

('AK10366666' ,  'Maria', 'Papadopoulou' ,'2000',2),

('AK10377777' ,  'Orestis', 'Makris' , '1600.69',3),

('AK10388888' ,  'Damianos' , 'Papadopoulos' , '1500',3),

('AK10399999' , 'Iris' , 'Oikonomou' , '1400.55',3),

('AK10310000' ,  'John' ,'Politis','1400.55',4 ),

('AK10310111' ,  'Alkis' , 'Eleftheriadis' ,'1200.35',4 ),

('AK10310222' ,  'Andreas' , 'Georgiou' ,'1000.21',4),

('AK10310333' ,  'Giannhs', 'Stathopoulos' , '1900.56',5),

('AK10310444' ,  'Sofia' , 'Politi','1400.86',5),

('AK10310555' , 'Nikos' , 'Vasiliou','1600.96',5),

('AM10410000' , 'Antonis' , 'Kokinos','1000',1),

('AM10410111' , 'Antonis' , 'Eleftheriadis','1100',1),

('AM10410222' , 'Nora' , 'Raikou','750',2),

('AM10410333' , 'John' , 'Oikonomou','1150',2),

('AM10410444' , 'Dimitrios' , 'Gongas','1500',3),

('AM10410555' , 'Fotios' , 'Patrios','1400',4),

('AM10410666' , 'Maria' , 'Papadopoulou','1000',5),

('AM10410777' , 'Andreas' , 'Makris','750',5),

('AN10520010' , 'Damianos' , 'Diasakos','1200',1),

('AN10520020' , 'Greg' , 'Delimpaltadakis','1000',2),

('AN10520030' , 'Orestis' , 'Delimpaltadakis','1000',2),

('AN10520040' , 'Iason' , 'Makris','1200',3),

('AN10520050' , 'Orestis' , 'Diasakos','1000',4),

('AN10520060' , 'Damianos' , 'Delimpaltadakis','1200',5);

INSERT INTO admin VALUES

('AK10311111' , 'LOGISTICS' , 'Dimploma: Logistics Athens School of Business'),

('AK10322222' , 'ACCOUNTING' ,'Dimploma: Accounting Athens School of Business'),

('AK10333333' ,  'ADMINISTRATIVE' ,'Dimploma: Economics and Business Administration Athens School of Business'),

('AK10344444' ,  'LOGISTICS' ,'Dimploma: Economics Ionnina School of Busine'),

('AK10355555' ,  'ACCOUNTING', 'Dimploma: Economics Thesalonikh School of Business'),

('AK10366666' ,  'ADMINISTRATIVE', 'Dimploma: Tour Guide EKPA'),

('AK10377777' ,  'ADMINISTRATIVE', 'Dimploma: Tour Guide Patra School of Business'),

('AK10388888' ,  'ACCOUNTING' , 'Dimploma: Mathematics Thesalonikh APTH'),

('AK10399999' , 'LOGISTICS' , 'Dimploma: Volos Logistics School of Busines'),

('AK10310000' ,  'ADMINISTRATIVE' ,'Dimploma: Business Administration Patra School of Business'),

('AK10310111' ,  'ACCOUNTING' , 'Dimploma: Lamia School of Busines'),

('AK10310222' ,  'LOGISTICS' , 'Dimploma: Mathematics Athens School of Business'),

('AK10310333' ,  'ADMINISTRATIVE', 'Dimploma: Economics and Business Administration Lamia School of Business'),

('AK10310444' ,  'LOGISTICS' , 'Dimploma: Physics Thesalonikh'),

('AK10310555' , 'ACCOUNTING' , 'Dimploma: 53 Lykio Thesalonikhs');

INSERT INTO manages VALUES

('AK10311111' , 1),

('AK10322222' , 1),

('AK10333333' , 1),

('AK10344444' , 2),

('AK10355555' , 2),

('AK10366666' , 2),

('AK10377777' , 3),

('AK10388888' , 3),

('AK10399999' , 3),

('AK10310000' , 4),

('AK10310111' , 4),

('AK10310222' , 4),

('AK10310333' , 5),

('AK10310444' , 5),

('AK10310555' , 5);

insert into driver values

('AM10410000','D','LOCAL',9),

('AM10410111','D','ABROAD',10),

('AM10410222','D','LOCAL',7),

('AM10410333','D','ABROAD',11),

('AM10410444','D','LOCAL',20),

('AM10410555','D','LOCAL',15),

('AM10410666','D','LOCAL',8),

('AM10410777','B','ABROAD',3);

insert into guide values

('AK10311111', 'Employment History:\n\t\t1997 - 2000 Accountant at Logistiko Grafeio "H Lysi"

\n\t\t2000 - 2010 Travel Guide at "Joy Tours"'),

('AN10520010', 'Employment History:\n\t\t1999 - 2005 Travel Guide at "Pimenidis Travel"'),

('AN10520020', 'Employment History:\n\t\t1995 - 2002 Travel Guide at "TEMPI HOLIDAY"

\n\t\t2002 - 2011 Travel Guide at "KAVVADIAS TOURS"

\n\t\t2011 - 2017 Travel Guide at "ART TOURS"'),

('AN10520030','Employment History:\n\t\t2005 - 2016 Travel Guide at "DIOTOURS N.G & RED ELEPHANT"'),

('AN10520040','Employment History:\n\t\t2001 - 2019 Travel Guide at "Rania TOURS"'),

('AN10520050','Employment History:\n\t\t1990 - 2002 Travel Guide at "Penguin Travel Tours"'),

('AK10310444','Employment History:\n\t\t1999 - 2006 Accountant at "PANIDIS PAYLOS LOGISTIKO GRAFEIO"

\n\t\t2010 - 2018 Travel Guide at "Herodotus TOURS"'),

('AN10520060','Employment History:\n\t\t1989 - 1999 Travel Guide at "Mazi Travel & Events"

\n\t\t2000 - 2010 Travel Guide at "Prima Holidays"');

insert into languages values

('AK10311111','Greek,English,French'),

('AN10520010','Greek,English,French,Italian'),

('AN10520020','Greek,English,German'),

('AN10520030','Greek,German,French,Italian'),

('AN10520040','Greek,English,Italian'),

('AN10520050','Greek,English,German,Italian'),

('AK10310444','Greek,English'),

('AN10520060','Greek,English,German,Italian');

INSERT INTO trip VALUES

(null, '2022-03-05 15:30:00', '2022-03-08 12:30:00', 30, 300, 1, 'AK10311111', 'AM10410000'),

(null, '2022-03-10 15:00:00', '2022-03-16 17:00:00', 30, 500, 1, 'AK10311111', 'AM10410000'),

(null, '2022-04-15 17:30:00', '2022-04-17 01:30:00', 60, 1000.65, 1, 'AK10311111', 'AM10410000'),

(null, '2022-03-08 15:00:00', '2022-03-27 13:00:00', 20, 200.85, 1, 'AN10520010', 'AM10410111'),

(null, '2022-04-03 17:00:00', '2022-04-19 22:00:00', 30, 500.52, 1, 'AN10520010', 'AM10410111'),

(null, '2022-06-18 22:30:00', '2022-06-29 18:30:00', 30, 900, 1, 'AN10520010', 'AM10410111'),

(null, '2022-07-05 18:30:00', '2022-07-15 16:30:00', 70, 1500, 2, 'AN10520020', 'AM10410222'),

(null, '2022-07-18 18:30:00', '2022-07-19 22:00:00', 30, 800, 2, 'AN10520020', 'AM10410222'),

(null, '2022-08-02 15:30:00', '2022-08-03 21:30:00', 30, 300, 2, 'AN10520020', 'AM10410222'),

(null, '2022-07-12 16:00:00', '2022-07-29 19:30:00', 30, 2000, 2, 'AN10520030', 'AM10410333'),

(null, '2022-08-10 18:30:00', '2022-08-23 19:00:00', 50, 100, 2, 'AN10520030', 'AM10410333'),

(null, '2022-09-09 18:30:00', '2022-09-26 12:00:00', 30, 700.88, 2, 'AN10520030', 'AM10410333'),

(null, '2022-01-05 13:30:00', '2022-01-21 03:30:00', 20, 1600, 3, 'AN10520040', 'AM10410444'),

(null, '2022-01-22 17:30:00', '2022-01-24 20:00:00', 30, 560, 3, 'AN10520040', 'AM10410444'),

(null, '2022-02-13 19:30:00', '2022-02-24 08:00:00', 30, 300.99, 3, 'AN10520040', 'AM10410444'),

(null, '2022-03-17 18:30:00', '2022-03-18 21:30:00', 60, 890, 3, 'AN10520040', 'AM10410444'),

(null, '2022-03-20 16:30:00', '2022-03-27 15:30:00', 30, 230, 3, 'AN10520040', 'AM10410444'),

(null, '2022-04-24 19:00:00', '2022-04-28 21:30:00', 45, 670, 3, 'AN10520040', 'AM10410444'),

(null, '2022-06-18 19:30:00', '2022-06-22 21:30:00', 30, 300, 4, 'AN10520050', 'AM10410555'),

(null, '2022-06-23 17:30:00', '2022-06-30 18:00:00', 30, 600, 4, 'AN10520050', 'AM10410555'),

(null, '2022-07-23 12:45:00', '2022-07-28 22:45:00', 100, 2030.45, 4, 'AN10520050', 'AM10410555'),

(null, '2022-08-08 08:30:00', '2022-08-10 19:30:00', 30, 380, 4, 'AN10520050', 'AM10410555'),

(null, '2022-09-14 18:00:00', '2022-09-26 10:45:00', 80, 3500, 4, 'AN10520050', 'AM10410555'),

(null, '2022-10-08 16:30:00', '2022-10-09 22:00:00', 30, 360.32, 4, 'AN10520050', 'AM10410555'),

(null, '2022-08-18 05:30:00', '2022-08-22 21:00:00', 20, 9000.74, 5, 'AK10310444', 'AM10410666'),

(null, '2022-10-20 14:30:00', '2022-10-27 21:00:00', 90, 1800.23, 5, 'AK10310444', 'AM10410666'),

(null, '2022-11-11 15:15:00', '2022-11-26 21:00:00', 30, 800, 5, 'AK10310444', 'AM10410666'),

(null, '2022-12-05 12:30:00', '2022-12-21 20:30:00', 7, 3400, 5, 'AN10520060', 'AM10410777'),

(null, '2023-02-17 19:45:00', '2023-02-26 18:00:00', 7, 3900.43, 5, 'AN10520060', 'AM10410777'),

(null, '2023-06-12 18:30:00', '2023-06-29 10:30:00', 7, 700, 5, 'AN10520060', 'AM10410777');

INSERT INTO destination VALUES

(null, 'Santorini', 'The awesome island of Santorini with the magnificent volcano.', 'LOCAL', 'Greek', null),

(null, 'Mykonos', 'The awesome island of Mykonos with the magnificent windmills.', 'LOCAL', 'Greek', null),

(null, 'Paros', 'The awesome island of Paros with the magnificent seas.', 'LOCAL', 'Greek', null),

(null, 'Zakynthos', 'The awesome island of Zakynthos with the magnificent night clubs.', 'LOCAL', 'Greek', null),

(null, 'Kalavryta', 'The awesome village of Kalavryta with the magnificent mountains.', 'LOCAL', 'Greek', null),

(null, 'Kalavryta ski resort', 'The awesome ski resort of Kalavryta is perfect to have fun.', 'LOCAL', 'Greek', 5),

(null, 'Arachova', 'The awesome village of Arachova with the magnificent trees.', 'LOCAL', 'Greek', null),

(null, 'Parnassos', 'The awesome mountain Parnassos with the magnificent cliffs.', 'LOCAL', 'Greek', 7),

(null, 'Heraklion', 'The awesome island of Crete with the magnificent Heraklion.', 'LOCAL', 'Greek', null),

(null, 'Mani', 'The awesome Peloponnese with the magnificent Mani.', 'LOCAL', 'Greek', null),

(null, 'Rhodes', 'The awesome island of Rhodes with the biggest water park in Europe.', 'LOCAL', 'Greek', null),

(null, 'Nafpaktos', 'The awesome Nafpaktos with the magnificent buildings.', 'LOCAL', 'Greek', null),

(null, 'Ano Hora', 'The awesome village of Ano Hora near Nafpaktos with the magnificent view.', 'LOCAL', 'Greek', 12),

(null, 'London', 'The capital of Great Britain with the magnificent Big Ben.', 'ABROAD', 'English', null),

(null, 'Paris', 'The capital of France with the magnificent Eiffel Tower.', 'ABROAD', 'French', null),

(null, 'Rome', 'The capital of Italy with the magnificent Colosseum.', 'ABROAD', 'Italian', null),

(null, 'Milan', 'A city of Italy with the magnificent cathedral.', 'ABROAD', 'Italian', null),

(null, 'Berlin', 'The capital of Germany with the magnificent Reichstag.', 'ABROAD', 'German', null);

INSERT INTO travel\_to VALUES

(1, 1, '2022-03-05 22:00:00', '2022-03-08 06:00:00'),

(2, 2, '2022-03-10 20:00:00', '2022-03-16 12:00:00'),

(3, 3, '2022-04-15 21:00:00', '2022-04-16 22:00:00'),

(4, 14, '2022-03-15 12:00:00', '2022-03-20 16:00:00'),

(5, 15, '2022-04-07 21:30:00', '2022-04-15 17:30:00'),

(6, 16, '2022-06-21 18:00:00', '2022-06-26 23:00:00'),

(7, 4, '2022-07-05 22:00:00', '2022-07-15 13:00:00'),

(8, 5, '2022-07-18 20:30:00', '2022-07-19 12:00:00'),

(8, 6, '2022-07-19 13:00:00', '2022-07-19 20:00:00'),

(9, 7, '2022-08-02 17:00:00', '2022-08-03 12:00:00'),

(9, 8, '2022-08-03 13:00:00', '2022-08-03 20:00:00'),

(10, 17, '2022-07-15 18:00:00', '2022-07-26 17:30:00'),

(11, 18, '2022-08-13 23:30:00', '2022-08-20 14:00:00'),

(12, 15, '2022-09-13 15:30:00', '2022-09-22 15:00:00'),

(13, 9, '2022-01-05 22:00:00', '2022-01-20 19:00:00'),

(14, 10, '2022-01-22 20:30:00', '2022-01-24 17:00:00'),

(15, 11, '2022-02-14 12:30:00', '2022-02-23 15:00:00'),

(16, 12, '2022-03-17 20:00:00', '2022-03-18 15:00:00'),

(16, 13, '2022-03-18 16:00:00', '2022-03-18 20:00:00'),

(17, 1, '2022-03-20 21:00:00', '2022-03-27 11:00:00'),

(18, 2, '2022-04-24 22:30:00', '2022-04-28 18:00:00'),

(19, 3, '2022-06-18 23:30:00', '2022-06-22 17:30:00'),

(20, 4, '2022-06-23 22:30:00', '2022-06-30 13:00:00'),

(21, 9, '2022-07-23 22:45:00', '2022-07-28 12:45:00'),

(22, 10, '2022-08-08 12:00:00', '2022-08-10 16:00:00'),

(23, 11, '2022-09-14 23:45:00', '2022-09-26 05:00:00'),

(24, 5, '2022-10-08 19:30:00', '2022-10-09 19:00:00'),

(25, 7, '2022-08-18 11:30:00', '2022-08-22 15:00:00'),

(26, 3, '2022-10-20 23:30:00', '2022-10-27 12:00:00'),

(27, 4, '2022-11-11 21:15:00', '2022-11-26 15:00:00'),

(28, 16, '2022-12-08 17:00:00', '2022-12-18 16:00:00'),

(29, 17, '2023-02-20 19:45:00', '2023-02-26 18:00:00'),

(30, 18, '2023-06-16 15:00:00', '2023-06-25 14:00:00');

INSERT INTO event VALUES

(1,'2022-03-06 10:00:00', '2022-03-06 14:00:00', 'Mpanio stin Kokkini Paralia.'),

(2, '2022-03-11 09:00:00','2022-03-11 13:00:00', 'Mpanio stin paralia Platys Gualos.'),

(3, '2022-04-16 15:00:00', '2022-04-16 19:00:00', 'Volta stin Naousa.'),

(4, '2022-03-16 14:00:00', '2022-03-16 18:00:00', 'Episkepsi sto Bretaniko Mouseio.'),

(5, '2022-04-08 18:00:00', '2022-04-08 20:00:00', 'Episkepsi ston Pyrgo tou Eiffel.'),

(6, '2022-06-22 11:00:00', '2022-06-22 15:00:00', 'Episkepsi sto Kolossaio.'),

(7, '2022-07-07 10:00:00', '2022-07-07 14:00:00', 'Tour sto Nauagio kai sto Turtle Island.'),

(7, '2022-07-08 17:00:00', '2022-07-08 22:00:00', 'Volta stin Xwra.'),

(8, '2022-07-18 21:00:00', '2022-07-18 00:00:00', 'Deipno stin taverna "O Elatos".'),

(8, '2022-07-19 13:00:00', '2022-07-19 19:00:00', 'Ski kai xalarwsi sto sale.'),

(9, '2022-08-02 18:00:00', '2022-08-02 22:00:00', 'Volta sto xwrio.'),

(9, '2022-08-03 13:00:00', '2022-08-03 19:00:00', 'Ski kai xalarwsi sto sale.'),

(10, '2022-07-16 12:00:00', '2022-07-16 16:00:00', 'Volta sto kentro tis polis.'),

(11, '2022-08-14 16:00:00', '2022-08-14 17:30:00', 'Episkepsi sto toixos tou Berolinou.'),

(11, '2022-08-15 15:00:00', '2022-08-15 16:30:00', 'Episkepsi stin Pyli tou Bradenvourgou.'),

(12, '2022-09-14 14:00:00', '2022-09-14 18:00:00', 'Episkepsi sto Loubro.'),

(13, '2022-01-07 17:30:00', '2022-01-07 20:00:00', 'Episkepsi sto Istoriko Mouseio Tis Kritis.'),

(14, '2022-01-22 09:00:00', '2022-01-22 12:00:00', 'Episkepsi stin spilia Dirou.'),

(15, '2022-01-22 10:00:00', '2022-01-22 14:00:00', 'Episkepsi sto Water Park.'),

(16, '2022-03-18 11:00:00', '2022-03-18 13:30:00', 'Episkepsi sto kastro tis Naupaktou.'),

(16, '2022-03-18 16:00:00', '2022-03-18 19:00:00', 'Pezoporia Ksenios-Agia Paraskeui-Ksenios.'),

(17,'2022-03-23 13:00:00', '2022-03-23 16:00:00','Tour me barka kai episkepsi sto ifaistio.'),

(18,'2022-04-27 14:30:00', '2022-04-27 15:30:00','Episkepsi stous anemomilous.'),

(19,'2022-06-19 14:00:00', '2022-06-19 19:30:00','Mpanio stin Santa Maria.'),

(20,'2022-06-28 14:00:00', '2022-06-28 19:00:00','Tour sto Nauagio kai sta Blue Caves'),

(21,'2022-07-25 14:45:00', '2022-07-25 15:45:00','Episkepsi sto anaktoro ths Knosou.'),

(22,'2022-08-09 12:00:00', '2022-08-09 16:00:00','Episkepsi sto Gytheio.'),

(23,'2022-09-22 20:00:00', '2022-09-22 22:00:00','Episkepsi sto kastro.'),

(24,'2022-10-09 12:00:00', '2022-10-09 14:00:00','Pezoporeia sta giro bouna.'),

(25,'2022-08-20 10:30:00', '2022-08-20 12:30:00','Pezoporeia sta giro bouna.'),

(26,'2022-10-23 12:30:00', '2022-10-23 14:30:00','Volta stin Naousa.'),

(27,'2022-11-22 15:15:00', '2022-11-22 18:15:00','Volta stin Xwra.'),

(28,'2022-12-16 13:00:00', '2022-12-16 15:00:00','Episkepsi sto Kolossaio.'),

(29,'2023-02-23 15:00:00', '2023-02-23 17:00:00','Episkepsi ston kentriko kathedriko nao.'),

(30,'2023-06-16 20:00:00', '2023-06-16 22:00:00','Episkepsi sto Reichstag.');

INSERT INTO reservation VALUES

(1,20,'Iris','Agelopoulou', 'ADULT'),

(2,24,'Iasonas','Agelopoulos', 'ADULT'),

(3,55,'Atticus','Makris', 'ADULT'),

(4,27,'Theo','Papadopoulos', 'ADULT'),

(5,28,'Gregory','Diasakos', 'ADULT'),

(6,29,'Achilles','Tsaltakis', 'ADULT'),

(7,70,'Daphne','Leonh', 'ADULT'),

(8,22,'Vasilis','Makris', 'ADULT'),

(9,2,'Alkis','Manouras', 'ADULT'),

(10,1,'Orestis','Bouras', 'ADULT'),

(1,13,'Nikolas','Papadakis', 'ADULT'),

(2,20,'Leonidas','Papakonstantinou', 'ADULT'),

(3,10,'Maria','Makri', 'ADULT'),

(4,20,'Alexia','Papadopoulou', 'ADULT'),

(5,18,'Alexandra','Diasakou', 'ADULT'),

(6,20,'Kostantina','Tsaltakh', 'ADULT'),

(7,17,'Apostolis','Nikolopoulos', 'ADULT'),

(8,20,'Marina','Makri', 'ADULT'),

(9,8,'Marios','Pavlidis', 'ADULT'),

(10,10,'Fotini','Boura', 'ADULT'),

(1,12,'Apollon','Savvidis', 'ADULT'),

(2,15,'Kyriakos','Akritidis', 'ADULT'),

(3,9,'Thanos','Makris', 'MINOR'),

(4,6,'Ioannis','Papadopoulos', 'MINOR'),

(5,2,'Hercules','Diasakos', 'MINOR'),

(6,19,'Nektarios','Tsaltakis', 'MINOR'),

(7,67,'Ambrosia','Akritidou', 'ADULT'),

(8,28,'Stavroula','Makri', 'MINOR'),

(9,9,'Triantafylos','Stefanidis', 'ADULT'),

(10,8,'Cleopatra','Boura', 'MINOR'),

(11, 5, 'Giannis', 'Kokas', 'ADULT'),

(11, 6, 'Maria', 'Koka', 'ADULT'),

(11, 7, 'Alexandros', 'Kokas', 'MINOR'),

(12, 5, 'Thanasis', 'Alexiou', 'ADULT'),

(12, 6, 'Zoi', 'Likou', 'ADULT'),

(12, 7, 'Tzina', 'Pseutou', 'ADULT'),

(13, 5, 'Nikos', 'Kolas', 'ADULT'),

(13, 6, 'Eleni', 'Kappa', 'ADULT'),

(13, 7, 'Oresths', 'Kappa', 'MINOR'),

(14, 5, 'Andreas', 'Ntivakias', 'ADULT'),

(14, 6, 'Anastasia', 'Ntivakia', 'ADULT'),

(14, 7, 'Xara', 'Ntivakia', 'MINOR'),

(15, 5, 'Grigoris', 'Manifavas', 'MINOR'),

(15, 6, 'Kleanthi', 'Manifava', 'ADULT'),

(15, 7, 'Anastasia', 'Manifava', 'MINOR'),

(16, 5, 'Iason', 'Alexakhs', 'ADULT'),

(16, 6, 'Eleni', 'Alexakh', 'ADULT'),

(16, 7, 'Dimitris', 'Alexakhs', 'MINOR'),

(17, 5, 'Tzoulia', 'Alexandratou', 'ADULT'),

(17, 6, 'Alkhs', 'Alexandratos', 'ADULT'),

(17, 7, 'Manos', 'Manolos', 'ADULT'),

(18, 5, 'Giorgos', 'Georgiou', 'ADULT'),

(18, 6, 'Anakin', 'Skywalker', 'ADULT'),

(18, 7, 'Padme', 'Skywalker', 'ADULT'),

(19, 5, 'Damianos', 'Tate', 'ADULT'),

(19, 6, 'Roumpini', 'Tate', 'ADULT'),

(19, 7, 'Xarhs', 'Tate', 'MINOR'),

(20, 5, 'Apollonas', 'Prifths', 'ADULT'),

(20, 6, 'Marios', 'Prifths', 'ADULT'),

(20, 7, 'Platonas', 'Prifths', 'MINOR'),

(21, 13, 'Alexandros', 'Gkogkas', 'ADULT'),

(21, 14, 'Anastasia', 'Gkogkas', 'ADULT'),

(21, 15, 'Marios', 'Gkogas', 'MINOR'),

(22, 5, 'Marios', 'Skourlis', 'ADULT'),

(22, 6, 'Grigoris', 'Papadakis', 'ADULT'),

(22, 7, 'Giorgos', 'Papadopoulos', 'ADULT'),

(23, 9, 'Vasiliana', 'Konstantakopoulou', 'ADULT'),

(23, 10, 'Dimitris', 'Konstantakopoulos', 'ADULT'),

(23, 11, 'Asimakis', 'Konstantakopoulos', 'MINOR'),

(24, 30, 'Giannis', 'Koutsogiannis', 'ADULT'),

(24, 31, 'Panagiota', 'Koutsogianni', 'ADULT'),

(24, 32, 'Sofoklis', 'Koutsogiannis', 'MINOR'),

(25, 1, 'Grigoris', 'Aleksiou', 'MINOR'),

(25, 2, 'Vasiliki', 'Aleksiou', 'ADULT'),

(25, 3, 'Antreas', 'Aleksiou', 'MINOR'),

(26, 12, 'Konstantinos', 'Alexopoulos', 'ADULT'),

(26, 13, 'Eleni', 'Alexopoulou', 'ADULT'),

(26, 14, 'Dimitris', 'Alexopulos', 'MINOR'),

(27, 12, 'Maria', 'Papaioannou', 'ADULT'),

(27, 13, 'Marios', 'Daskalakis', 'ADULT'),

(27, 14, 'Pantelis', 'Manolos', 'ADULT'),

(28, 2, 'Giorgos', 'Makris', 'ADULT'),

(28, 3, 'Grigoris', 'Lagaros', 'ADULT'),

(28, 4, 'Despoina', 'Aritzaki', 'ADULT'),

(29, 5, 'Orestis', 'Oikonomou', 'ADULT'),

(29, 6, 'Kalinikos', 'Oikonomou', 'ADULT'),

(29, 7, 'Dioni', 'Oikonomou', 'MINOR'),

(30, 1, 'Virginia', 'Papaderou', 'ADULT'),

(30, 2, 'Xara', 'Papaderou', 'ADULT'),

(30, 3, 'Konstantinos', 'Papaderos', 'MINOR');

INSERT INTO  offers VALUES

(null ,'2023-02-06 14:00:00','2023-02-18 22:00:00' ,400,'5'),

(null ,'2023-04-06 07:00:00','2023-04-18 22:00:00' ,1200,'14'),

(null ,'2023-08-06 07:00:00','2023-08-18 22:00:00' ,700,'1');

INSERT INTO worker VALUES

('AK12000001' , 'Artemis' , 'Padadimitriou','1500',1),

('AK12000002' , 'Maria' , 'Prodromou','1500',1),

('AK12000003' , 'John' , 'Stathopoulos','1500',1),

('AK12000004' , 'Andreas' , 'Vasiladiotis','1500',2),

('AK12000005' , 'Iason' , 'Raikos','1500',2),

('AK12000006' , 'Orestis' , 'Makris','1500',3),

('AK12000007' , 'Grigotis' , 'Delibaltadakis','1500',3),

('AK12000008' , 'Alexandros' ,  'Alexandrou','1500',4),

('AK12000009' , 'Nikolas' , 'Karavlidis','1500',5),

('AK12000010' , 'Viki' , 'Aleksiou','1500',5);

INSERT INTO it\_admin (it\_at,it\_start\_date)VALUES

('AK12000001'  ,'2015-02-06 14:00:00'),

('AK12000002'  ,'2012-01-26 14:00:00'),

('AK12000004'  , '2008-02-06 14:00:00'),

('AK12000010' , '2017-11-11 10:00:00');

INSERT INTO it\_admin (it\_at,it\_password,it\_start\_date)VALUES

('AK12000003' , 'John' ,'2010-02-06 14:00:00'),

('AK12000005' , '1234' ,'2007-01-31 14:00:00'),

('AK12000006' , '1444' ,'2019-03-06 12:00:00'),

('AK12000007' , 'ff' ,'2012-05-06 10:00:00'),

('AK12000008' , 'AlexAlex' ,'2010-09-06 10:00:00'),

('AK12000009' , 'Nik', '2016-02-04 10:00:00');

call create\_user('Padadimitriou','password');

call create\_user('Prodromou','password');

call create\_user('Stathopoulos','John');

call create\_user('Vasiladiotis','password');

call create\_user('Raikos','1234');

call create\_user('Makris','1444');

call create\_user('Delibaltadakis','ff');

call create\_user('Alexandrou','AlexAlex');

call create\_user('Karavlidis','Nik');

call create\_user('Aleksiou','password');

**Κεφάλαιο 2 - Stored Procedures**

**3.1.3.1**

DROP PROCEDURE IF EXISTS insert\_driver;

DELIMITER $

CREATE PROCEDURE insert\_driver(IN AT char(10),IN name varchar(20),IN lname varchar(20),IN salary float(7,2),IN license ENUM('A','B','C','D'),IN route ENUM('LOCAL','ABROAD'),IN experience tinyint(4))

BEGIN

DECLARE code INT;

SELECT br\_code INTO code FROM (SELECT branch.br\_code,IFNULL(count(wrk\_AT),0) AS 'Number of Drivers' FROM driver INNER JOIN worker ON drv\_AT=wrk\_AT RIGHT JOIN branch ON br\_code=wrk\_br\_code GROUP BY br\_code ORDER BY IFNULL(count(wrk\_AT),0) ASC LIMIT 1) AS minimum\_drivers;

INSERT INTO worker VALUES (AT,name,lname,salary,code);

INSERT INTO driver VALUES (AT,license,route,experience);

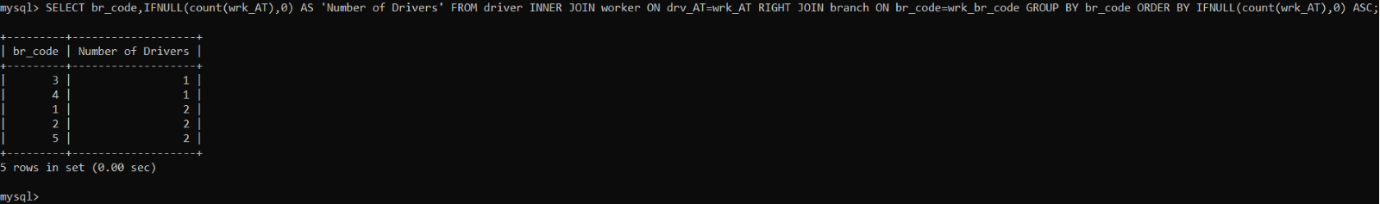
END$

DELIMITER ;

Στο **procedure** αυτό δίνονται ως είσοδοι τα στοιχεία ενός νέου οδηγού (αριθμός ταυτότητας, όνομα, επώνυμο, μισθός τύπος άδειας, τύπος δρομολογίου και μήνες εμπειρίας). Η **procedure** εντοπίζει το υποκατάστημα με τους λιγότερους οδηγούς και εισάγει τον οδηγό ως υπάλληλο του συγκεκριμένου υποκαταστήματος (τον εισάγει στους πίνακες worker και driver). Ο κώδικας στην ουσία αναθέτει την τιμή του br\_code του υποκαταστήματος με τους λιγότερους οδηγούς στην τοπική μεταβλητή code και μετά κάνει τα κατάλληλα **insert**.

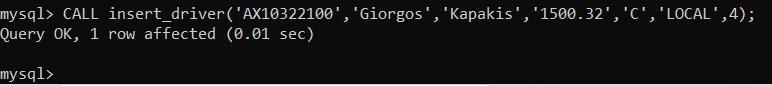
SELECT br\_code,IFNULL(count(wrk\_AT),0) AS 'Number of Drivers' FROM driver INNER JOIN worker ON drv\_AT=wrk\_AT RIGHT JOIN branch ON br\_code=wrk\_br\_code GROUP BY br\_code ORDER BY IFNULL(count(wrk\_AT),0) ASC;

Πρώτα εκτελούμε αυτό το **select** για να δούμε πόσους οδηγούς έχει κάθε branch.

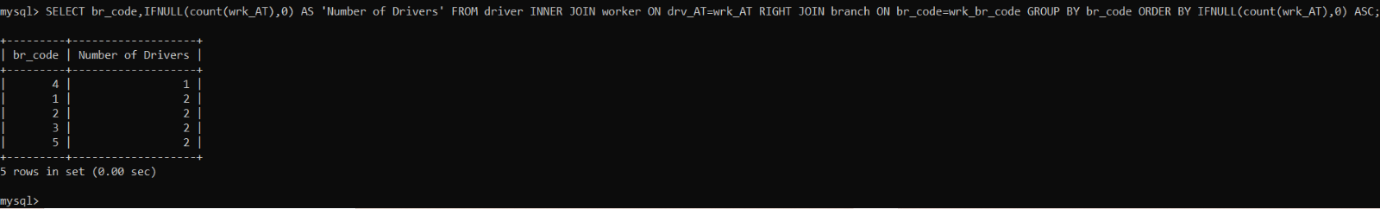
****

CALL insert\_driver('AX10322100','Giorgos','Kapakis','1500.32','C','LOCAL',4);

Έπειτα καλούμε την **insert\_driver**.

****

Και ξαναεκτελούμε το **select** που είχαμε αναφέρει.

****

Βλέπουμε ότι ο οδηγός προστέθηκε στο branch με br\_code=3, γιατί ήταν ένα από τα branches με τους λιγότερους οδηγούς. Αν κάποια branches έχουν ίσο σε αριθμό οδηγούς και είναι αυτά με τους λιγότερους οδηγούς σε σχέση με τα άλλα τότε ο νέος οδηγός προστίθεται στο branch με το μικρότερο id.

**3.1.3.2**

DROP PROCEDURE IF EXISTS search\_trip;

DELIMITER $

CREATE PROCEDURE search\_trip(IN code INT,IN start\_date datetime,IN end\_date datetime)

BEGIN

DECLARE trip\_id INT;

DECLARE dep DATETIME;

DECLARE ret DATETIME;

DECLARE maxseats TINYINT;

DECLARE cost FLOAT(7,2);

DECLARE br\_code INT;

DECLARE guide\_AT CHAR(10);

DECLARE driver\_AT CHAR(10);

DECLARE finishedFlag INT;

DECLARE no\_of\_reservations INT;

DECLARE driver\_name VARCHAR(20);

DECLARE driver\_lname VARCHAR(20);

DECLARE guide\_name VARCHAR(20);

DECLARE guide\_lname VARCHAR(20);

DECLARE empty\_seats INT;

DECLARE tripCurs CURSOR FOR SELECT \* FROM trip WHERE tr\_departure>=start\_date AND tr\_departure<=end\_date AND tr\_br\_code = code;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET finishedFlag=1;

OPEN tripCurs;

SET finishedFlag=0;

FETCH tripCurs INTO trip\_id,dep,ret,maxseats,cost,br\_code,guide\_AT,driver\_AT;

WHILE(finishedFlag=0)

DO

SELECT COUNT(\*) INTO no\_of\_reservations FROM reservation INNER JOIN trip ON res\_tr\_id=trip\_id WHERE tr\_departure>=start\_date AND tr\_departure<=end\_date AND tr\_br\_code=code AND res\_tr\_id=tr\_id;

SELECT wrk\_name,wrk\_lname INTO driver\_name,driver\_lname FROM trip INNER JOIN worker ON tr\_drv\_AT=wrk\_AT WHERE tr\_id=trip\_id;

SELECT wrk\_name,wrk\_lname INTO guide\_name,guide\_lname FROM trip INNER JOIN worker ON tr\_gui\_AT=wrk\_AT WHERE tr\_id=trip\_id;

SET empty\_seats=maxseats-no\_of\_reservations;

SELECT trip\_id AS 'Trip Id',cost AS 'Cost',maxseats AS 'Maxseats',no\_of\_reservations AS 'Number of Reservations',empty\_seats AS 'Empty Seats',driver\_lname AS 'Driver Lastname',driver\_name AS 'Driver Name',guide\_lname AS 'Guide Lastname',guide\_name AS 'Guide Name',dep AS 'Departure',ret AS 'Return';

FETCH tripCurs INTO trip\_id,dep,ret,maxseats,cost,br\_code,guide\_AT,driver\_AT;

END WHILE;

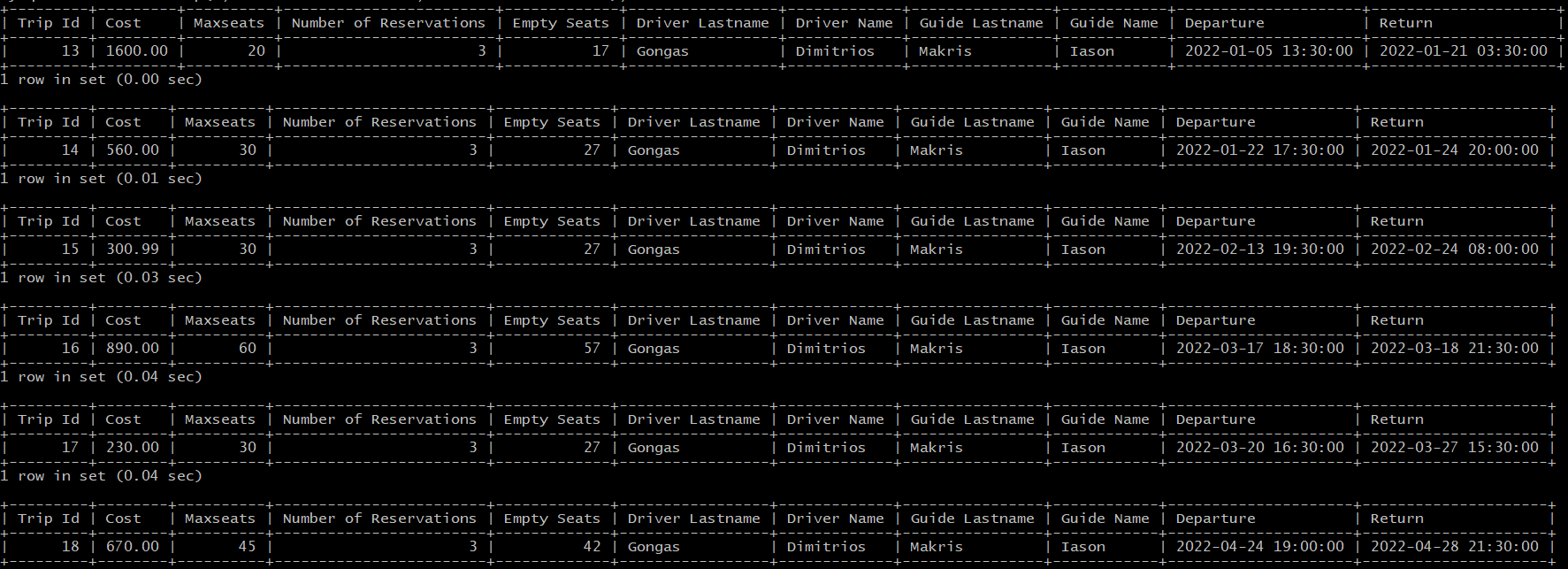
CLOSE tripCurs;

END$

DELIMITER ;

Στο **procedure** αυτό δίνονται ως ορίσματα ο κωδικός ενός υποκαταστήματος και δύο ημερομηνίες. Για τα ταξίδια (trip) που διοργανώνονται από το υποκατάστημα του οποίου δόθηκε ο κωδικός, και των οποίων η ημερομηνία αναχώρησης είναι μέσα στο διάστημα που δόθηκε, επιστρέφονται το κόστος ταξιδιού (tr\_cost ), οι μέγιστες θέσεις(maxseat), το σύνολο κρατήσεων (reservations), οι κενές θέσεις (maxseat – σύνολο κρατήσεων), το επώνυμο και το όνομα του οδηγού και του ξεναγού και τέλος η ημερομηνία αναχώρησης και επιστροφής. Δημιουργούμε έναν **cursor** με τον οποίο διατρέχουμε τον πίνακα **trip** και αποθηκεύουμε τις ζητούμενες πληροφορίες στις τοπικές μεταβλητές που δηλώσαμε και στο τέλος τις εκτυπώνουμε.

CALL search\_trip(3,'2022-01-05 00:00:00','2022-08-15 23:59:59');

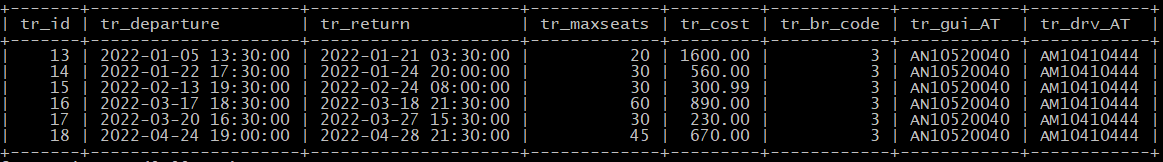


Καλούμε την συνάρτηση  **search\_trip**.

SELECT \* FROM trip WHERE '2022-01-05 00:00:00'<=tr\_departure AND '2022-08-15 23:59:59'>=tr\_departure AND tr\_br\_code=3;

SELECT \* FROM reservation;

Μετά εκτελούμε τα παραπάνω **select** για να ελέγξουμε αν λειτουργεί σωστά το **procedure**.



Βλέπουμε ότι επιλέγει τα σωστά **trips** και ο αριθμός των κρατήσεων για κάθε **trip** είναι σωστός.

**3.1.3.3**

DROP PROCEDURE IF EXISTS delete\_worker;

DELIMITER $

CREATE PROCEDURE delete\_worker(IN name varchar(20),IN lname varchar(20))

BEGIN

IF exists(SELECT \* FROM worker INNER JOIN admin ON wrk\_AT=adm\_AT WHERE wrk\_lname=lname AND wrk\_name=name AND adm\_type="ADMINISTRATIVE")

THEN

SELECT "This person is an admin in a branch therefore the deletion is restricted!" AS Error;

ELSEIF exists(SELECT \* FROM worker WHERE wrk\_lname=lname AND wrk\_name=name)

THEN

DELETE FROM worker WHERE wrk\_lname=lname AND wrk\_name=name;

ELSE

SELECT "This person isn't a worker in any branch!" AS Error;

END IF;

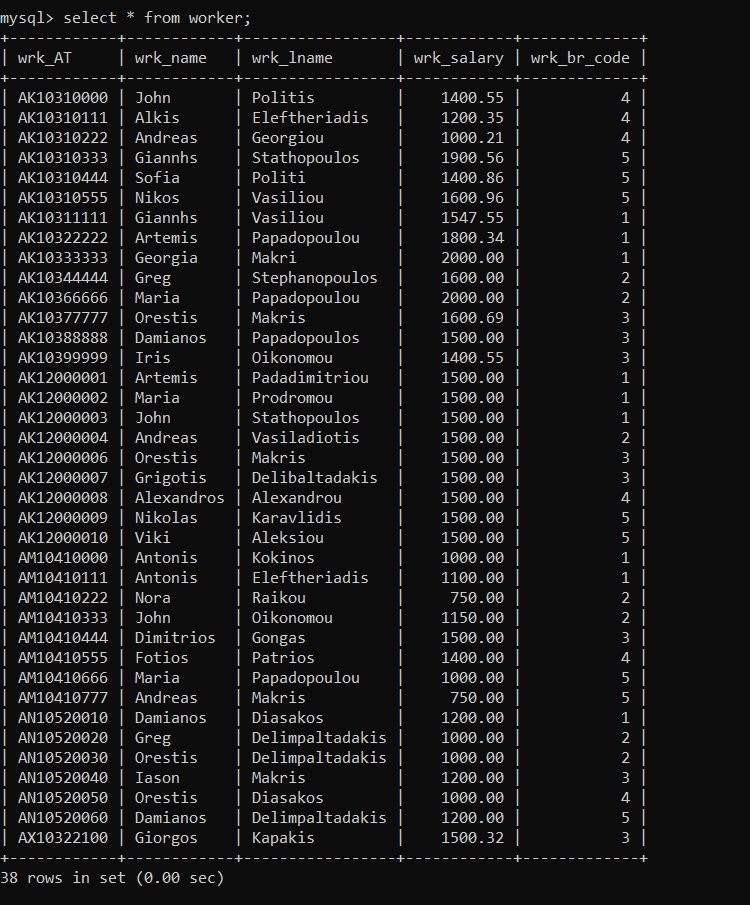
END$

DELIMITER ;

Το **procedure** αυτό παίρνει ως όρισμα το όνομα και το επώνυμο ενός υπαλλήλου. Αν είναι διοικητικός τον διαγράφει. Αν ο υπάλληλος είναι διευθυντής υποκαταστήματος τότε εμφανίζεται μήνυμα ότι είναι διευθυντής του υποκαταστήματος και δεν επιτρέπει τη διαγραφή. Με ένα if ελέγχουμε αν ένας υπάλληλος είναι διευθυντής και αν ισχύει τότε εκτυπώνουμε ένα error message. Αν δεν είναι τότε μεταβαίνουμε στο επόμενο if και ελέγχουμε αν υπάρχει κάποιος υπάλληλος με το ονοματεπώνυμο που δόθηκε. Τέλος, αν δεν υπάρχει υπάλληλος, εκτυπώνουμε το αντίστοιχο error.

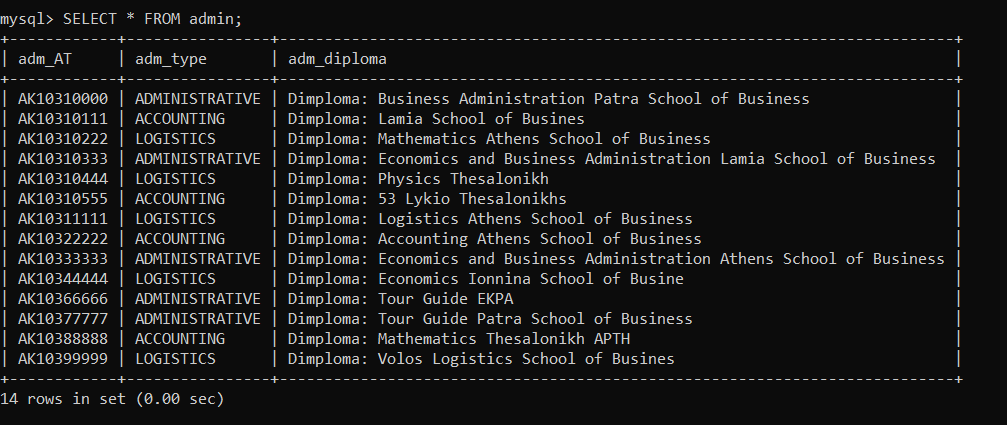
SELECT \* FROM worker;

Εκτελούμε το παραπάνω **select**, για να δούμε τους workers.



SELECT \* FROM admin;

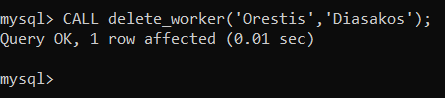
Εκτελούμε το παραπάνω select, για να δούμε τους admins.



Έτσι μπορούμε να δούμε τους workers από τους οποίους θα επιλέξουμε να κάνουμε **delete\_worker**.

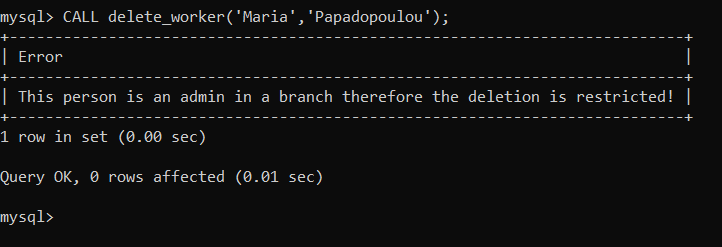
CALL delete\_worker('Orestis','Diasakos');

Εκτελούμε το παραπάνω **call**.

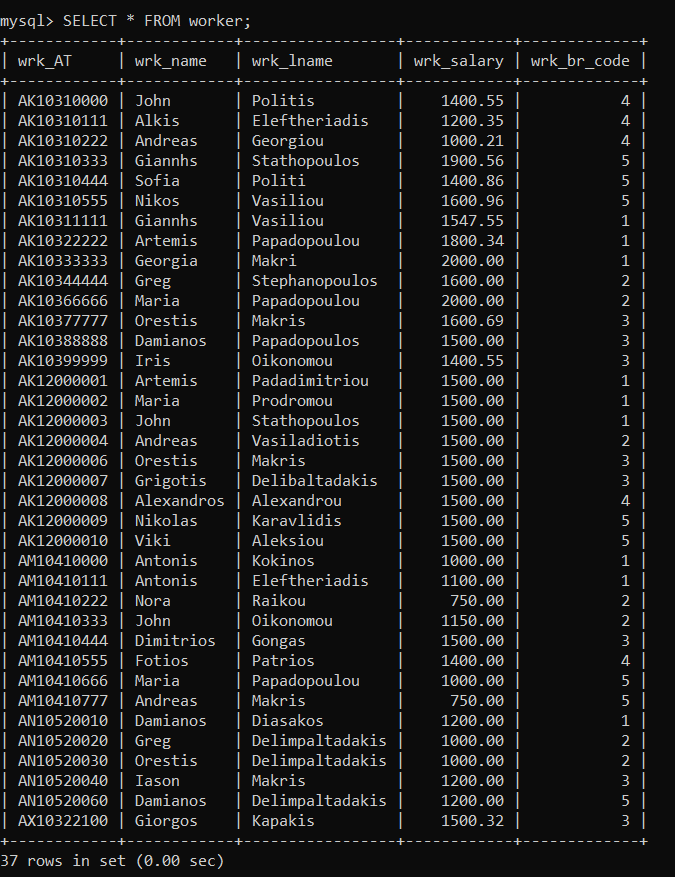


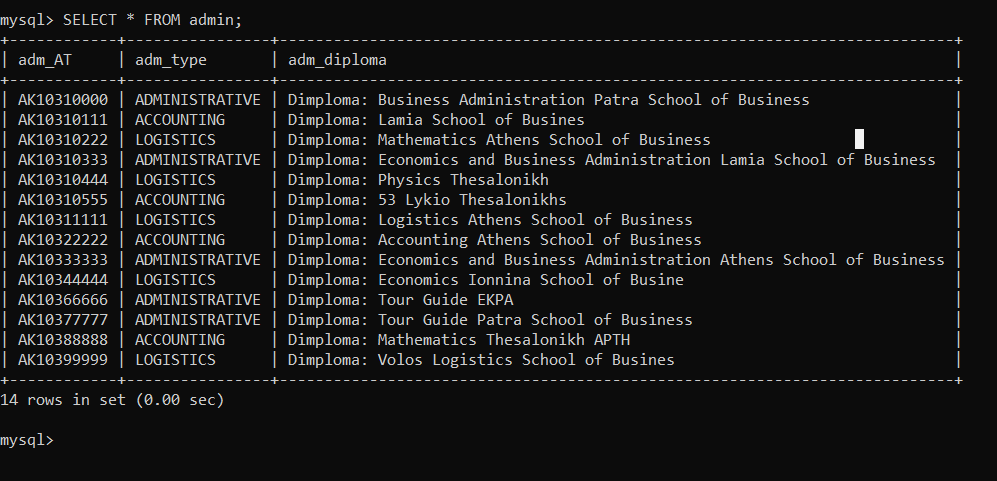
CALL delete\_worker('Maria','Papadopoulou');

Κάνουμε πάλι κλήση της **delete\_worker** αλλά με το παραπάνω **call**.

****

Εκτελούμε ξανά τα δύο προηγούμενα **select** με την ίδια σειρά.

****



Βλέπουμε ότι ο Orestis Diasakos που διαγράψαμε στην αρχή, διαγράφηκε με επιτυχία ενώ η Maria Papadopoulou δεν διαγράφηκε επειδή είναι διευθύντρια του υποκαταστήματος με branch\_id = 2.

**3.1.3.4**

DROP INDEX res\_ind ON reservation\_offers;

CREATE INDEX res\_ind ON reservation\_offers(deposit\_amount, rsv\_lastname, rsv\_offer\_id);

Πρώτα από όλα λόγω του μεγάλου πλήθους εγγραφών, δημιουργούμε ένα ευρετήριο στον πίνακα reservation\_offers ώστε το πρόγραμμα να αναζητεί πιο αποδοτικά τις εγγραφές του πίνακα. Κάνουμε πρώτα **drop** σε περίπτωση που ήδη υπάρχει και το δημιουργούμε για τα πεδία **rsv\_lastname** ,**deposit\_amount** και **rsv\_offer\_id**. Δημιουργούμε το index για την στήλη **deposit\_amount,** επειδή χρησιμοποιούμε αυτό το πεδίο μέσα σε **WHERE** **condition** για το **procedure** του υποερωτήματος **α)** και για τις **rsv\_lastname, rsv\_offer\_id,** αντίστοιχα επειδή τα χρησιμοποιούμε σε πολλά **conditions** του **procedure** του υποερωτήματος **β)**.

**α)**

DROP PROCEDURE IF EXISTS res\_range;

DELIMITER $

CREATE PROCEDURE res\_range(IN r1 INT, IN r2 INT)

BEGIN

    SELECT rsv\_name AS 'Firstname', rsv\_lastname AS 'Lastname'

    FROM reservation\_offers

    WHERE deposit\_amount >= r1 AND deposit\_amount<=r2;

END$

DELIMITER ;

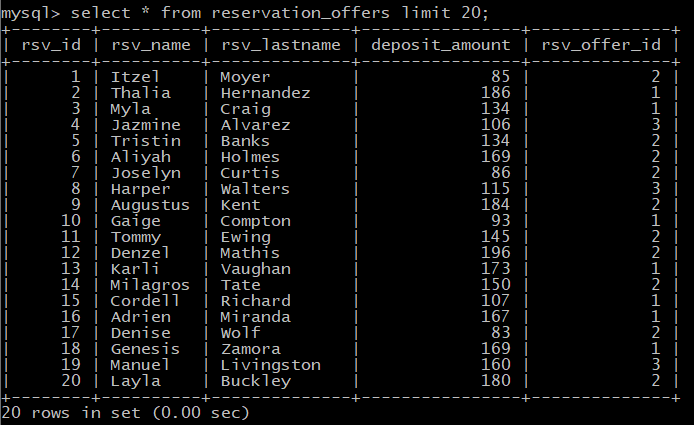
Το **procedure** αυτό παίρνει ως παραμέτρους εισόδου δύο τιμές (π.χ. 50, 200) και τυπώνει τους πελάτες (επώνυμο, όνομα) που έκαναν κρατήσεις σε προσφορές ταξιδιών και πλήρωσαν για προκαταβολή κάποιο ποσό ανάμεσα στις δύο τιμές.

*Έλεγχος*

Έχουμε τον πίνακα reservation\_offers, ο οποίος έχει 75000 εγγραφές.

**Εικόνα που περιέχει κείμενο

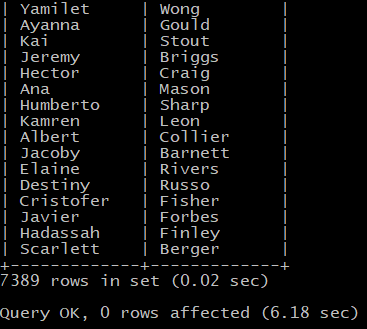
Περιγραφή που δημιουργήθηκε αυτόματα**

****

Έστω ότι καλούμε την procedure res\_range για το εύρος προκαταβολών [80,95].

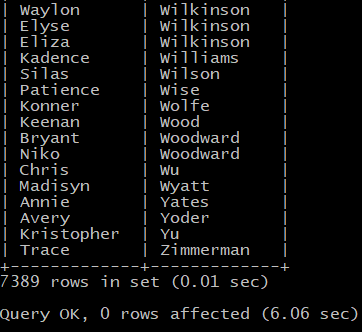
Χωρίς το ευρετήριο:

****

****

Βλέπουμε ότι το procedure εκτελέστηκε σε 0.02 s.

Με το ευρετήριο:

****

Το procedure εκτελείται σε 0.01 s.

**β)**

DROP PROCEDURE IF EXISTS res\_names;

DELIMITER $

CREATE PROCEDURE res\_names(IN lname VARCHAR(20))

BEGIN

    DECLARE flag INT;

    DECLARE offer\_id INT;

    DECLARE no\_of\_res INT;

    DECLARE finishedFlag INT;

    DECLARE multResCurs CURSOR FOR

    SELECT rsv\_offer\_id, COUNT(rsv\_offer\_id)

    FROM reservation\_offers

    WHERE rsv\_lastname=lname

    GROUP BY rsv\_offer\_id

    HAVING COUNT(rsv\_offer\_id)>1

    ORDER BY rsv\_offer\_id;

    DECLARE singleResCurs CURSOR FOR

    SELECT rsv\_offer\_id, COUNT(rsv\_offer\_id)

    FROM reservation\_offers

    WHERE rsv\_lastname=lname

    GROUP BY rsv\_offer\_id

    HAVING COUNT(rsv\_offer\_id)=1

    ORDER BY rsv\_offer\_id;

    DECLARE CONTINUE HANDLER FOR NOT FOUND SET finishedFlag=1;

    OPEN multResCurs;

    SET finishedFlag=0;

    FETCH multResCurs INTO offer\_id, no\_of\_res;

    SET flag = 0;

    WHILE(finishedFlag=0) DO

        IF(flag = 0) THEN

            SELECT 'Reserved offers for last name' AS '', lname AS '';

        END IF;

        SELECT offer\_id AS 'Offer Id', no\_of\_res AS 'Number of reserved offers';

        FETCH multResCurs INTO offer\_id,no\_of\_res;

        SET flag =  1;

    END WHILE;

    CLOSE multResCurs;

    OPEN singleResCurs;

    SET finishedFlag=0;

    SET flag = 0;

    FETCH singleResCurs INTO offer\_id, no\_of\_res;

    WHILE(finishedFlag=0) DO

        IF(flag = 0) THEN

            SELECT 'Reserved offers with one reservation per offer' AS '';

        END IF;

        SELECT rsv\_name, rsv\_lastname, rsv\_offer\_id

        FROM reservation\_offers

        WHERE rsv\_offer\_id = offer\_id AND rsv\_lastname = lname;

        SET flag = 1;

        FETCH singleResCurs INTO offer\_id,no\_of\_res;

    END WHILE;

END$

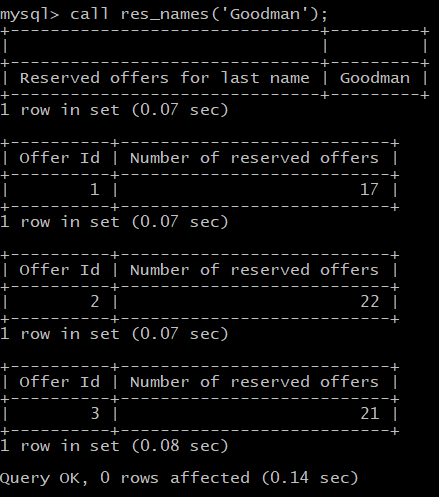
DELIMITER ;

Στο **procedure** αυτό δίνεται ως παράμετρος εισόδου το επώνυμο ενός πελάτη και εκτυπώνει τα ονοματεπώνυμα των πελατών με το επώνυμο αυτό και την προσφορά ταξιδιού στην οποία έχουν κάνει κράτηση. Σε περίπτωση που υπάρχουν πάνω από ένας επιστρέφει το πλήθος των πελατών με το επώνυμο αυτό, ανά προσφορά ταξιδιού.

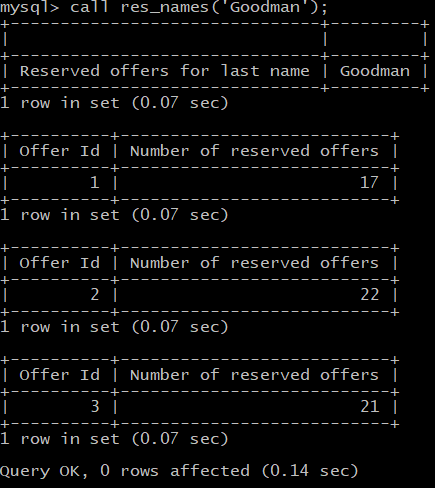
Η υλοποίηση έγινε με χρήση δύο cursors, **DECLARE multResCurs CURSOR** και **DECLARE singleResCurs CURSOR** τα οποία διατρέχουν το πίνακα reservation\_offers και εντοπίζουν και εκτυπώνουν πολλαπλές και μονές κρατήσεις αντίστοιχα.

***Έλεγχος:***

Χωρίς ευρετήριο:



Με ευρετήριο:

****

Με την χρήση ευρετηρίου η εκτέλεση είναι κατά 0.01 s πιο γρήγορη.

Ο πίνακας reservation\_offers δημιουργήθηκε με την χρήση του δοθέντος αρχείου names.txt που περιέχει 10000 ονόματα, με τα οποία εκτελέσαμε τα INSERT για την εισαγωγή 75000 εγγραφών. Έτσι κάθε επώνυμο έχει κάνει πολλαπλές κρατήσεις σε κάθε προσφορά και για αυτό παραπάνω εκτυπώνεται ένας πίνακας με πολλαπλές κρατήσεις ανά offer.

Για να γίνει σωστός έλεγχος του procedure λοιπόν, εισάγουμε μερικές επιπλέον κρατήσεις:

INSERT INTO reservation\_offers VALUES(null,'Greg','Deli',50,1);

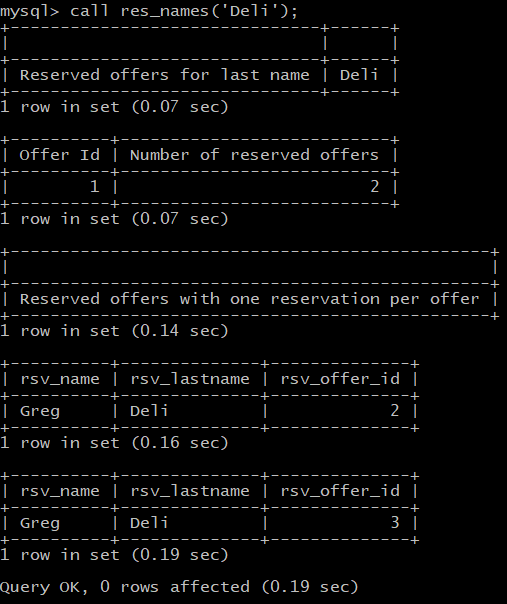
INSERT INTO reservation\_offers VALUES(null,'Maria','Deli',50,1);

INSERT INTO reservation\_offers VALUES(null,'Greg','Deli',50,2);

INSERT INTO reservation\_offers VALUES(null,'Greg','Deli',50,3);

Δηλαδή εισάγουμε 3 κρατήσεις για τον πελάτη Greg Deli, μία σε κάθε offer και μία κράτηση για την Maria Deli στο offer me id=1.

Αποτελέσματα:

****

Βλέπουμε λοιπόν ότι για το επώνυμο Deli έχουμε δύο κρατήσεις για την προσφορά 1 (μία από τον Greg και μία από την Maria) και από μία κράτηση στις άλλες δυο προσφορές από τον Greg.

**Επιπλέον Procedures**

1. **create\_user()** και **create\_select\_user()**

Πέρα από τα stored procedures που ζητούνταν προσθέσαμε δυο επιπλέον τα οποία δημιουργούν ένα user για την βάση με όλα τα privileges ή μόνο με select privileges.

/\*Procedure pou dhmioyrgei enan neo user gia tin vasi travel\_agency. Prepei na tin kalesoume afou kanoume insert enan it\_admin\*/

DROP PROCEDURE IF EXISTS create\_user;

DELIMITER $

CREATE PROCEDURE create\_user(IN it\_username VARCHAR(20),IN it\_password CHAR(10))

BEGIN

    /\*prepei na xrisimopoiisw tin CONCAT() giati den mas epitrepei na ektelesoume tin CREATE USER me metavlites\*/

    SET @cr\_user = CONCAT

    ('

    CREATE USER "',it\_username,'"@"localhost" IDENTIFIED BY "',it\_password,'" '

    );

    PREPARE cr FROM @cr\_user;

    EXECUTE cr;

    DEALLOCATE PREPARE cr;

    /\*omoiws gia to GRANT PRIVILEGES\*/

    SET @gr\_user = CONCAT

    ('

    GRANT ALL ON travel\_agency.\* TO "',it\_username,'"@"localhost" '

    );

    PREPARE gr FROM @gr\_user;

    EXECUTE gr;

    DEALLOCATE PREPARE gr;

    /\*gia na mporei na kanei select kai delete to user ston pinaka mysql.db\*/

    SET @gr\_user = CONCAT

    ('

    GRANT SELECT,DELETE ON mysql.db TO "',it\_username,'"@"localhost" '

    );

    PREPARE gr FROM @gr\_user;

    EXECUTE gr;

    DEALLOCATE PREPARE gr;

    /\*gia na mporei na kanei create user\*/

    SET @gr\_cr\_user = CONCAT

    ('

    GRANT CREATE USER ON \*.\* TO "',it\_username,'"@"localhost" '

    );

    PREPARE gr\_cr FROM @gr\_cr\_user;

    EXECUTE gr\_cr;

    DEALLOCATE PREPARE gr\_cr;

    SET @flush = "FLUSH PRIVILEGES";

    PREPARE stmt FROM @flush;

    EXECUTE stmt;

    DEALLOCATE PREPARE stmt;

END$

DELIMITER ;

/\*user mono me select privilages\*/

DROP PROCEDURE IF EXISTS create\_select\_user;

DELIMITER $

CREATE PROCEDURE create\_select\_user(IN it\_username VARCHAR(20),IN it\_password CHAR(10))

BEGIN

    #prepei na xrisimopoiisw tin CONCAT() giati den mas epitrepei na ektelesoume tin CREATE USER me metavlites

    SET @cr\_user = CONCAT

    ('

    CREATE USER "',it\_username,'"@"localhost" IDENTIFIED BY "',it\_password,'" '

    );

    PREPARE cr FROM @cr\_user;

    EXECUTE cr;

    DEALLOCATE PREPARE cr;

    /\*PRIVILEGES SELECT kai EXECUTE gia na mporei na kalei procedures\*/

    SET @gr\_user = CONCAT

    ('

    GRANT EXECUTE, SELECT ON travel\_agency.\* TO "',it\_username,'"@"localhost" '

    );

    PREPARE gr FROM @gr\_user;

    EXECUTE gr;

    DEALLOCATE PREPARE gr;

    /\*gia na mporei na kanei select kai delete to user ston pinaka mysql.db\*/

    SET @gr\_user = CONCAT

    ('

    GRANT SELECT ON mysql.db TO "',it\_username,'"@"localhost" '

    );

    PREPARE gr FROM @gr\_user;

    EXECUTE gr;

    DEALLOCATE PREPARE gr;

    SET @flush = "FLUSH PRIVILEGES";

    PREPARE stmt FROM @flush;

    EXECUTE stmt;

    DEALLOCATE PREPARE stmt;

END$

DELIMITER ;

Το ιδανικό θα ήταν να μπορούσαμε να δημιουργήσουμε τον user μέσα σε ένα trigger για τον πίνακα it\_admin κάθε φορά που κάνουμε insert σε αυτόν. Όμως η mySQL δεν επιτρέπει την εκτέλεση της εντολής CREATE USER ούτε την κλήση procedure μέσα σε trigger.

Tα procedures παίρνουν ως ορίσματα ένα username και password και εκτελούνε τα queries:

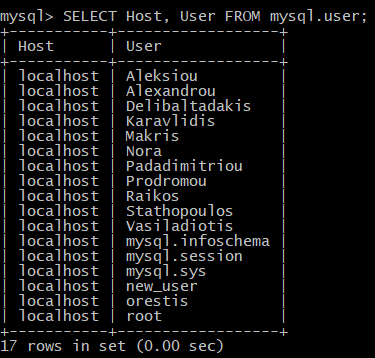
* CREATE USER <username> IDENTIFIED BY <password>, για την δημιουργία του user.
* GRANT ALL ON travel\_agency.\* TO <username>, για να έχει όλα τα δικαιώματα στην βάση μας
* GRANT EXECUTE, SELECT ON travel\_agency.\* TO <username>, στην περίπτωση που δημιουργούμε έναν χρήστη με δικαιώματα select και execute μόνο.
* GRANT SELECT,DELETE ON mysql.db TO <username> και GRANT CREATE USER ON \*.\* TO <username>, για να μπορεί να δημιουργεί και να διαγράφει χρήστες.

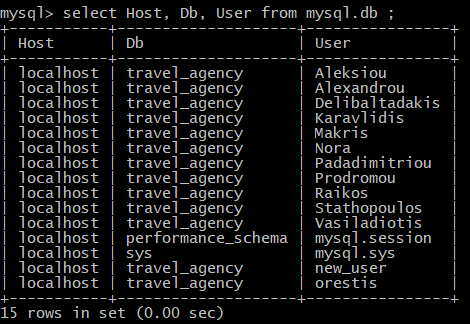
***Έλεγχος:***

Κλήση του procedure:

****

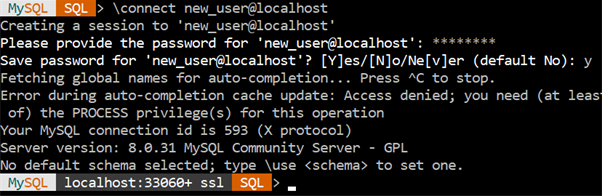
Έλεγχος του πίνακα mysql.user και mysql.db:

****

****

Βλέπουμε ότι ο new\_user προστέθηκε και στους δύο.

Είσοδος στην βάση ως τον καινούριος user:

****

Εκτέλεση ενός query:

****

Συνδεθήκαμε και εκτελέσαμε με επιτυχία ένα querry στην βάση μας.

1. **branch\_info()**

Αυτό το stored procedure εμφανίζει για κάθε υποκατάστημα τα στοιχεία του, το ονοματεπώνυμο του διευθυντή του, το σύνολο κρατήσεων και το σύνολο εσόδων (κρατήσεις επί κόστος ταξιδιού). Δημιουργήθηκε για να διευκολύνει την εμφάνιση των ζητουμένων πληροφοριών των υποκαταστημάτων στο GUI.

DROP PROCEDURE IF EXISTS branch\_info;

DELIMITER $

CREATE PROCEDURE branch\_info()

BEGIN

DECLARE branch\_code INT(11);

DECLARE branch\_street VARCHAR(30);

DECLARE branch\_num INT(4);

DECLARE branch\_city VARCHAR(30);

DECLARE finishedFlag INT;

DECLARE admin\_name VARCHAR(20);

DECLARE admin\_lname VARCHAR(20);

DECLARE total\_of\_reservations INT;

DECLARE income FLOAT;

DECLARE branchCurs CURSOR FOR SELECT \* FROM branch;

DECLARE CONTINUE HANDLER FOR NOT FOUND SET finishedFlag=1;

OPEN branchCurs;

SET finishedFlag=0;

FETCH branchCurs INTO branch\_code,branch\_street,branch\_num,branch\_city;

WHILE(finishedFlag=0)

DO

SELECT COUNT(\*) INTO total\_of\_reservations FROM reservation INNER JOIN trip ON res\_tr\_id=tr\_id WHERE tr\_br\_code=branch\_code;

SELECT wrk\_name,wrk\_lname INTO admin\_name,admin\_lname FROM admin INNER JOIN worker ON adm\_AT=wrk\_AT WHERE wrk\_br\_code=branch\_code AND adm\_type='ADMINISTRATIVE';

SET income=(SELECT SUM(tr\_cost\*res\_count) FROM trip JOIN (SELECT res\_tr\_id, COUNT(\*) as res\_count FROM reservation GROUP BY res\_tr\_id) as res\_counts ON trip.tr\_id = res\_counts.res\_tr\_id WHERE tr\_br\_code = branch\_code);

SELECT branch\_code AS 'Branch code',branch\_street AS 'Street',branch\_num AS 'Number',branch\_city AS 'City',admin\_name AS 'Admin name',admin\_lname AS 'Admin last name',total\_of\_reservations AS 'Total of Reservations',income AS 'Income';

FETCH branchCurs INTO branch\_code,branch\_street,branch\_num,branch\_city;

END WHILE;

CLOSE branchCurs;

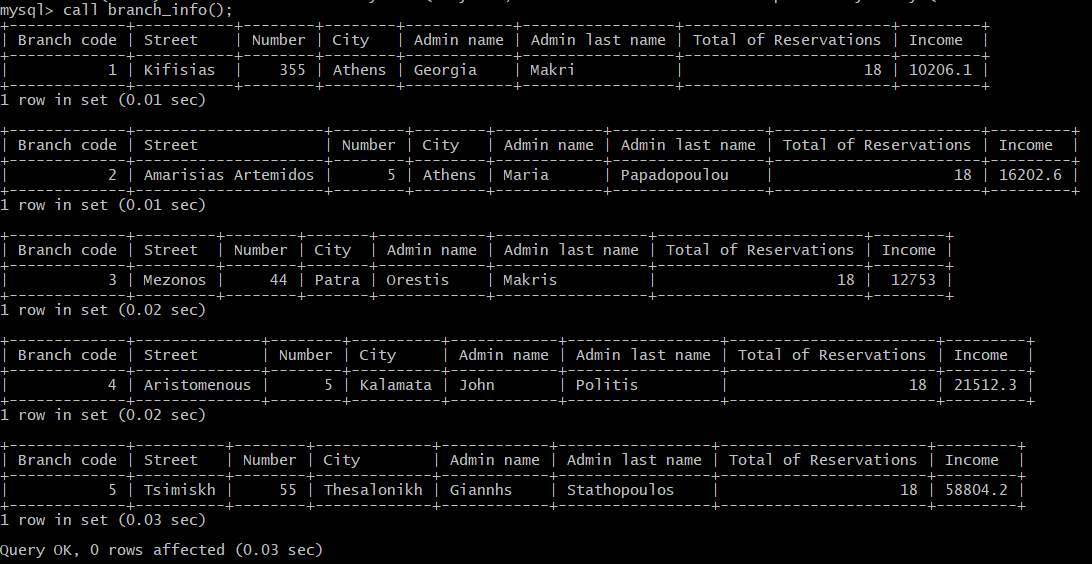
END$

DELIMITER ;

Το **procedure** αυτό δεν παίρνει κάποιο όρισμα. Δημιουργούμε έναν **cursor** με τον οποίο διατρέχουμε τον πίνακα **branch** και αποθηκεύουμε τις ζητούμενες πληροφορίες στις τοπικές μεταβλητές που δηλώσαμε και στο τέλος τις εκτυπώνουμε.

CALL branch\_info();

Καλούμε τον branch\_info με την παραπάνω εντολή.

****

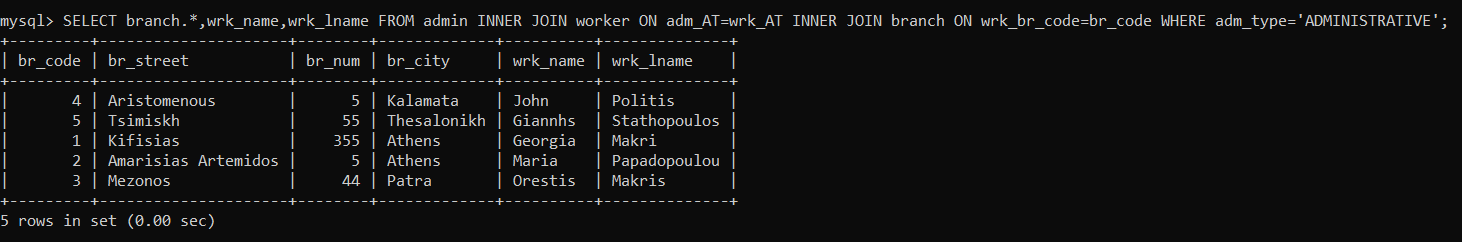
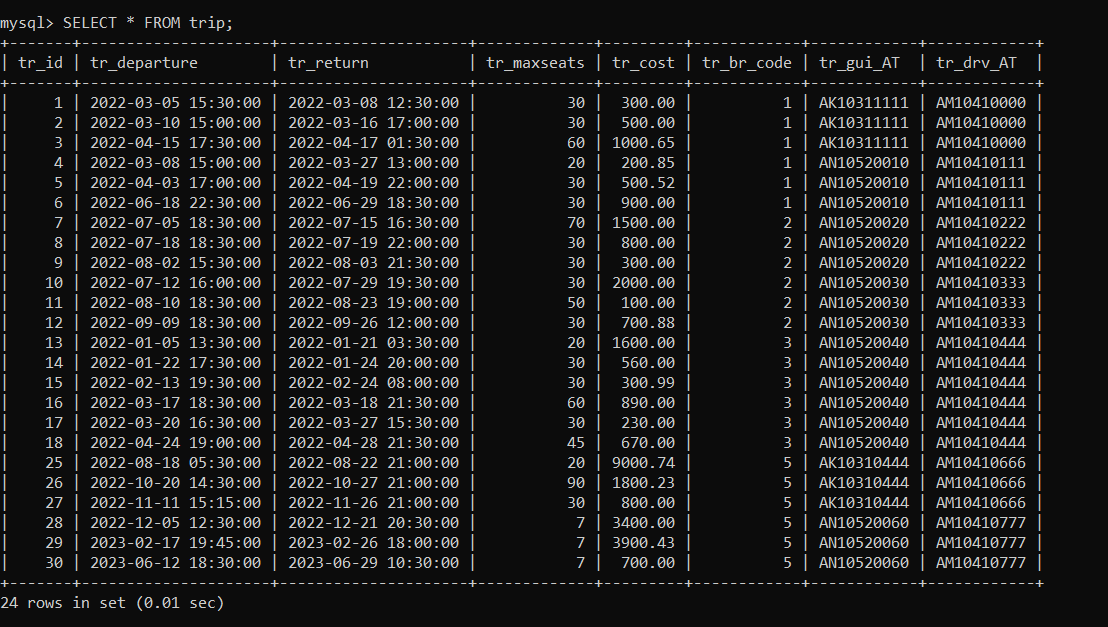
***Έλεγχος:***

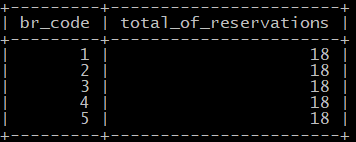
Κάνουμε τα παρακάτω τρία **select** για να ελέγξουμε ότι λειτουργεί σωστά το procedure.

SELECT branch.\*,wrk\_name,wrk\_lname FROM admin INNER JOIN worker ON adm\_AT=wrk\_AT INNER JOIN branch ON wrk\_br\_code=br\_code WHERE adm\_type='ADMINISTRATIVE';

SELECT \* FROM trip;

SELECT br\_code,COUNT(\*) AS total\_of\_reservations FROM reservation INNER JOIN trip ON res\_tr\_id=tr\_id INNER JOIN branch ON tr\_br\_code=br\_code GROUP BY br\_code;





Όπως φαίνεται το procedure λειτουργεί σωστά. Μιας και το δεύτερο select φανερώνει πως κάθε branch έχει 18 κρατήσεις.

# 

# **Κεφάλαιο 3 - Triggers**

## **3.1.4.1**

Δημιουργήσαμε triggers για την καταγραφή **εισαγωγής**, **ενημέρωσης** ή **διαγραφής** σε έναν από τους πίνακες **trip**, **reservation**, **event**, **travel\_to**, **destination**. Για κάθε πίνακα από αυτούς δημιουργούμε τρία triggers για όλες τις πιθανές δράσεις και μέσα σε αυτά εισάγουμε μια νέα εγγραφή στην οποία αποτυπώνεται η αλλαγή που κάναμε καθώς επίσης και ο χρήστης που την εκτέλεσε μαζί με την ώρα και ημερομηνία που την εκτέλεσε.

/\*triggers gia ton log\_trip\*/

DROP TRIGGER IF EXISTS log\_trip\_insert;

DELIMITER $

CREATE TRIGGER log\_trip\_insert AFTER INSERT ON trip

FOR EACH ROW

BEGIN

    INSERT INTO log\_trip VALUES

    ('INSERT',CURRENT\_USER(),NOW(),NEW.tr\_id,NEW.tr\_departure,NEW.tr\_return,

    NEW.tr\_maxseats,NEW.tr\_cost,NEW.tr\_br\_code,NEW.tr\_gui\_AT,NEW.tr\_drv\_AT);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_trip\_update;

DELIMITER $

CREATE TRIGGER log\_trip\_update AFTER UPDATE ON trip

FOR EACH ROW

BEGIN

    INSERT INTO log\_trip VALUES

    ('UPDATE',CURRENT\_USER(),NOW(),OLD.tr\_id,OLD.tr\_departure,OLD.tr\_return,

    OLD.tr\_maxseats,OLD.tr\_cost,OLD.tr\_br\_code,OLD.tr\_gui\_AT,OLD.tr\_drv\_AT);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_trip\_delete;

DELIMITER $

CREATE TRIGGER log\_trip\_delete AFTER DELETE ON trip

FOR EACH ROW

BEGIN

    INSERT INTO log\_trip VALUES

    ('DELETE',CURRENT\_USER(),NOW(),OLD.tr\_id,OLD.tr\_departure,OLD.tr\_return,

    OLD.tr\_maxseats,OLD.tr\_cost,OLD.tr\_br\_code,OLD.tr\_gui\_AT,OLD.tr\_drv\_AT);

END$

DELIMITER ;

UPDATE trip SET tr\_departure = '2069-03-05 15:30:06'

WHERE tr\_id = 33;

DELETE FROM trip where tr\_id = 33;

/\*triggers gia ton log\_reservation\*/

DROP TRIGGER IF EXISTS log\_reservation\_insert;

DELIMITER $

CREATE TRIGGER log\_reservation\_insert AFTER INSERT ON reservation

FOR EACH ROW

BEGIN

    INSERT INTO log\_reservation VALUES

    ('INSERT',CURRENT\_USER(),NOW(),NEW.res\_tr\_id,NEW.res\_seatnum,

    NEW.res\_name,NEW.res\_lname,NEW.res\_isadult);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_reservation\_update;

DELIMITER $

CREATE TRIGGER log\_reservation\_update AFTER UPDATE ON reservation

FOR EACH ROW

BEGIN

    INSERT INTO log\_reservation VALUES

    ('UPDATE',CURRENT\_USER(),NOW(),OLD.res\_tr\_id,OLD.res\_seatnum,

    OLD.res\_name,OLD.res\_lname,OLD.res\_isadult);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_reservation\_delete;

DELIMITER $

CREATE TRIGGER log\_reservation\_delete AFTER DELETE ON reservation

FOR EACH ROW

BEGIN

    INSERT INTO log\_reservation VALUES

    ('DELETE',CURRENT\_USER(),NOW(),OLD.res\_tr\_id,OLD.res\_seatnum,

    OLD.res\_name,OLD.res\_lname,OLD.res\_isadult);

END$

DELIMITER ;

/\*triggers gia ton log\_event\*/

DROP TRIGGER IF EXISTS log\_event\_insert;

DELIMITER $

CREATE TRIGGER log\_event\_insert AFTER INSERT ON event

FOR EACH ROW

BEGIN

    INSERT INTO log\_event VALUES

    ('INSERT',CURRENT\_USER(),NOW(),NEW.ev\_tr\_id,NEW.ev\_start,

    NEW.ev\_end,NEW.ev\_descr);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_event\_update;

DELIMITER $

CREATE TRIGGER log\_event\_update AFTER UPDATE ON event

FOR EACH ROW

BEGIN

    INSERT INTO log\_event VALUES

    ('UPDATE',CURRENT\_USER(),NOW(),OLD.ev\_tr\_id,OLD.ev\_start,

    OLD.ev\_end,OLD.ev\_descr);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_event\_delete;

DELIMITER $

CREATE TRIGGER log\_event\_delete AFTER DELETE ON event

FOR EACH ROW

BEGIN

    INSERT INTO log\_event VALUES

    ('DELETE',CURRENT\_USER(),NOW(),OLD.ev\_tr\_id,OLD.ev\_start,

    OLD.ev\_end,OLD.ev\_descr);

END$

DELIMITER ;

/\*triggers gia ton log\_travel\_to\*/

DROP TRIGGER IF EXISTS log\_travel\_to\_insert;

DELIMITER $

CREATE TRIGGER log\_travel\_to\_insert AFTER INSERT ON travel\_to

FOR EACH ROW

BEGIN

    INSERT INTO log\_travel\_to VALUES

    ('INSERT',CURRENT\_USER(),NOW(),NEW.to\_tr\_id,NEW.to\_dst\_id,

    NEW.to\_arrival,NEW.to\_departure);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_travel\_to\_update;

DELIMITER $

CREATE TRIGGER log\_travel\_to\_update AFTER UPDATE ON travel\_to

FOR EACH ROW

BEGIN

    INSERT INTO log\_travel\_to VALUES

    ('UPDATE',CURRENT\_USER(),NOW(),OLD.to\_tr\_id,OLD.to\_dst\_id,

    OLD.to\_arrival,OLD.to\_departure);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_travel\_to\_delete;

DELIMITER $

CREATE TRIGGER log\_travel\_to\_delete AFTER DELETE ON travel\_to

FOR EACH ROW

BEGIN

    INSERT INTO log\_travel\_to VALUES

    ('DELETE',CURRENT\_USER(),NOW(),OLD.to\_tr\_id,OLD.to\_dst\_id,

    OLD.to\_arrival,OLD.to\_departure);

END$

DELIMITER ;

/\*triggers gia ton log\_destination\*/

DROP TRIGGER IF EXISTS log\_destination\_insert;

DELIMITER $

CREATE TRIGGER log\_destination\_insert AFTER INSERT ON destination

FOR EACH ROW

BEGIN

    INSERT INTO log\_destination VALUES

    ('INSERT',CURRENT\_USER(),NOW(),NEW.dst\_id,NEW.dst\_name,NEW.dst\_dscr,

    NEW.dst\_rtype,NEW.dst\_language,NEW.dst\_location);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_destination\_update;

DELIMITER $

CREATE TRIGGER log\_destination\_update AFTER UPDATE ON destination

FOR EACH ROW

BEGIN

    INSERT INTO log\_destination VALUES

    ('UPDATE',CURRENT\_USER(),NOW(),OLD.dst\_id,OLD.dst\_name,OLD.dst\_dscr,

    OLD.dst\_rtype,OLD.dst\_language,OLD.dst\_location);

END$

DELIMITER ;

DROP TRIGGER IF EXISTS log\_destination\_delete;

DELIMITER $

CREATE TRIGGER log\_destination\_delete AFTER DELETE ON destination

FOR EACH ROW

BEGIN

    INSERT INTO log\_destination VALUES

    ('DELETE',CURRENT\_USER(),NOW(),OLD.dst\_id,OLD.dst\_name,OLD.dst\_dscr,

    OLD.dst\_rtype,OLD.dst\_language,OLD.dst\_location);

END$

DELIMITER ;

**Έλεγχος**

Θα ελέγξουμε την λειτουργία των triggers εκτελώντας ένα insert, update και delete στον πίνακα trip.

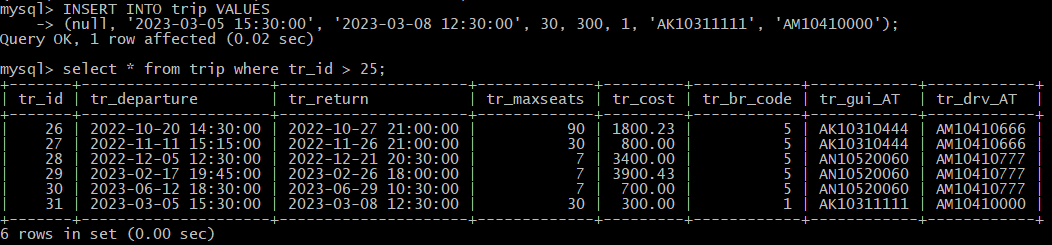
1. **Αρχικά εισάγουμε ένα νέο trip**

Ο πίνακας trip πριν την εισαγωγή:

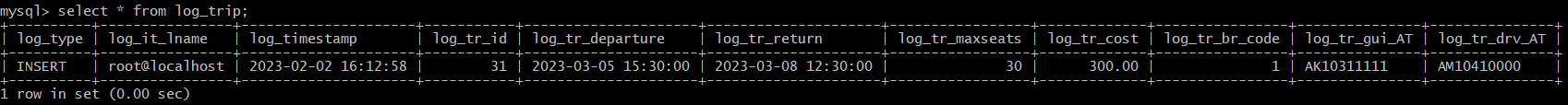
Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

Μετά την εισαγωγή:



Έλεγχος του πίνακα log\_trip:



Βλέπουμε πως στον πίνακα log\_trip αποθηκεύτηκε μια εγγραφή στην οποία καταγράφονται το είδος της ενέργειας (INSERT), το username του χρήστη που την εκτέλεσε (root) και τα στοιχεία της εγγραφής που εισάχθηκε στον πίνακα trip.

1. **Στην συνέχεια ενημερώνουμε ένα trip**

Έστω ότι αλλάζουμε την ημερομηνία αναχώρησης του καινούριου trip.

Εικόνα που περιέχει κείμενο, πορτοκαλί

Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει κείμενο

Περιγραφή που δημιουργήθηκε αυτόματα

Βλέπουμε στην τελευταία γραμμή την ενημερωμένη ημερομηνία.

Έλεγχος του πίνακα log\_trip:

Βλέπουμε πως εκτελέστηκε ένα UPDATE και αποθηκεύτηκε η ημερομηνία αναχώρησης που είχε το ταξίδι πριν την ενημέρωση.

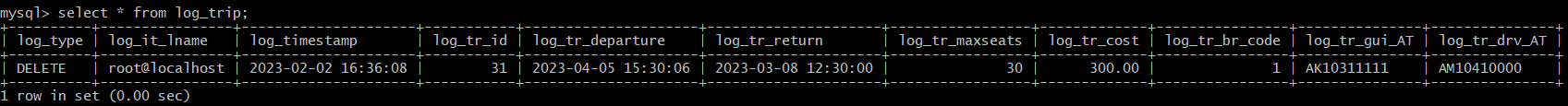
1. **Τέλος διαγράφουμε ένα trip**

****

**Εικόνα που περιέχει κείμενο, ηλεκτρονικές συσκευές, υπολογιστής, πίνακας αποτελεσμάτων

Περιγραφή που δημιουργήθηκε αυτόματα**

Διαγράψαμε το trip με id = 31.

Έλεγχος του πίνακα log\_trip:

Βλέπουμε πως εκτελέστηκε ένα DELETE και αποθηκεύτηκαν τα πεδία του ταξιδιού που διαγράφηκε.

Με αντίστοιχο τρόπο δουλεύουν και τα triggers των υπολοίπων πινάκων.

## **3.1.4.2**

DROP TRIGGER IF EXISTS check\_reservations;

DELIMITER $

CREATE TRIGGER check\_reservations BEFORE UPDATE ON trip

FOR EACH ROW

BEGIN

IF exists(SELECT \* FROM reservation WHERE res\_tr\_id=OLD.tr\_id)

THEN

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT='This trip already has reservations therefore updates are restricted!';

END IF;

END$

DELIMITER ;

Το **trigger** αυτό αποτρέπει την αλλαγή της ημερομηνίας αναχώρησης, της ημερομηνίας επιστροφής και του κόστους του ταξιδιού, αν έχουν ήδη γίνει κρατήσεις για αυτό. Ο έλεγχος γίνεται με ένα **if** που αν ισχύει τότε εκτυπώνεται κατάλληλο error.

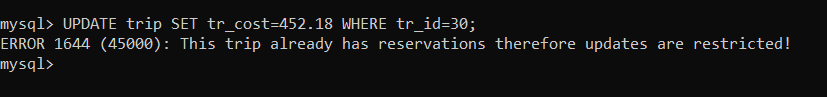
SELECT \* FROM reservation;

SELECT \* FROM trip;

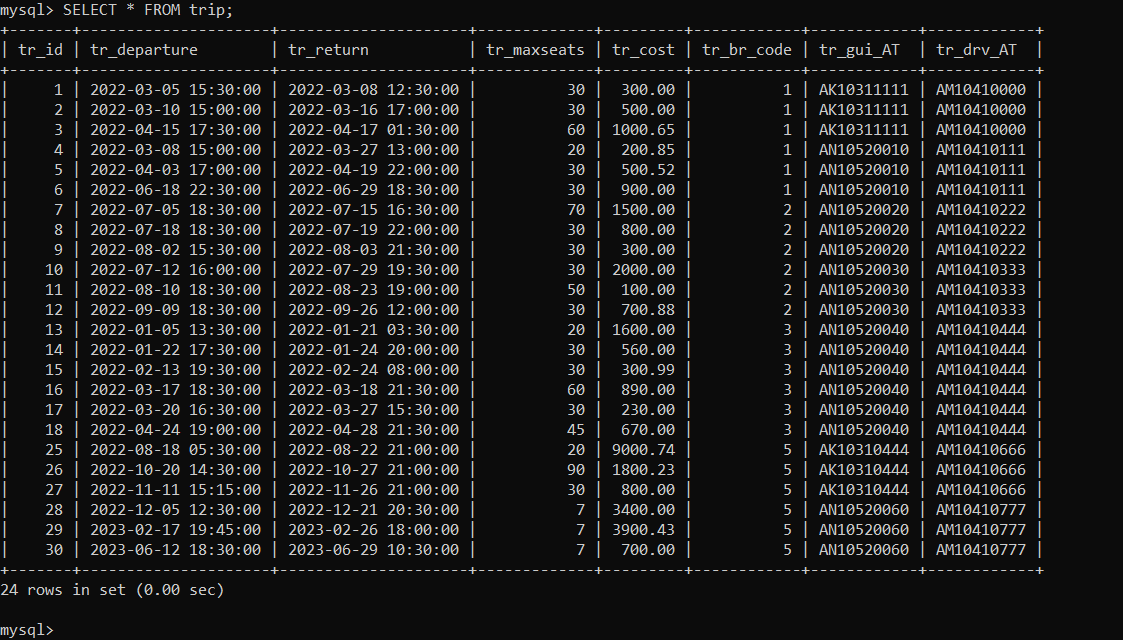
Εκτελούμε τα δύο παραπάνω **select** για να δούμε ποια **trips** έχουν κρατήσεις και ποια όχι.

UPDATE trip SET tr\_cost=452.18 WHERE tr\_id=30;

Στη συνέχεια Εκτελούμε το παραπάνω **update**.



Εκτελούμε το **select** για το **trip** και βλέπουμε αν έχει γίνει αλλαγή.



Όπως το περιμέναμε δεν έγινε κάποια αλλαγή.

## **3.1.4.3**

DROP TRIGGER IF EXISTS check\_salary;

DELIMITER $

CREATE TRIGGER check\_salary BEFORE UPDATE ON worker

FOR EACH ROW

BEGIN

IF OLD.wrk\_salary>=NEW.wrk\_salary

THEN

SIGNAL SQLSTATE '45000' SET MESSAGE\_TEXT='The new salary must be greater than the older!';

END IF;

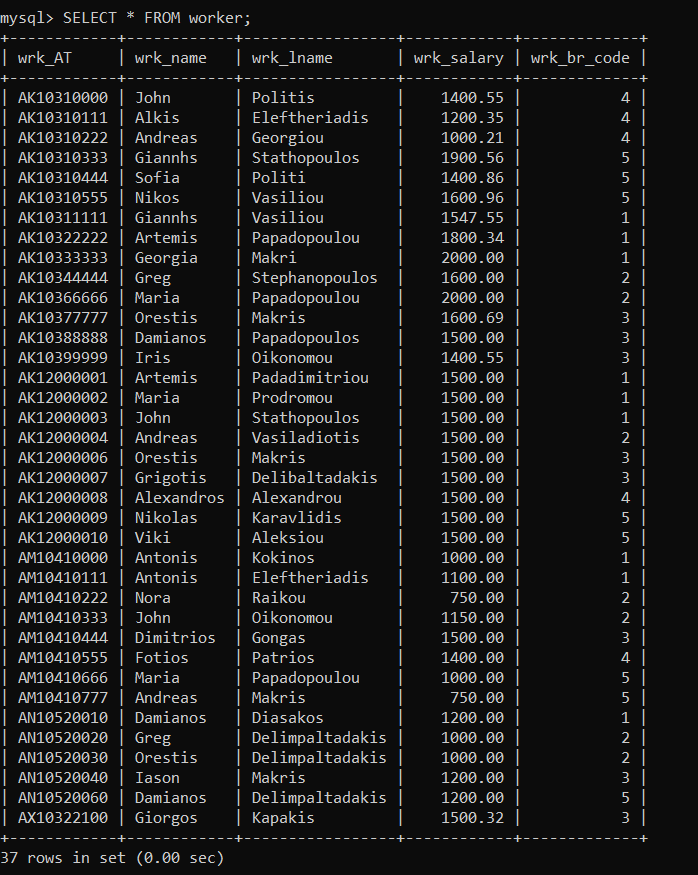
END$

DELIMITER ;

Το **trigger** αυτό δεν επιτρέπει τη μείωση του μισθού ενός υπαλλήλου. Με ένα if ελέγχουμε αν ο παλιός μισθός είναι μεγαλύτερος ή ίσος από τον καινούριο και αν είναι τότε εκτυπώνεται ένα error.

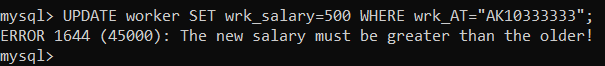
SELECT \* FROM worker;

Εκτελούμε πρώτα αυτό το **select** για να διαλέξουμε τον worker του οποίου θα προσπαθήσουμε να αλλάξουμε τον μισθό.

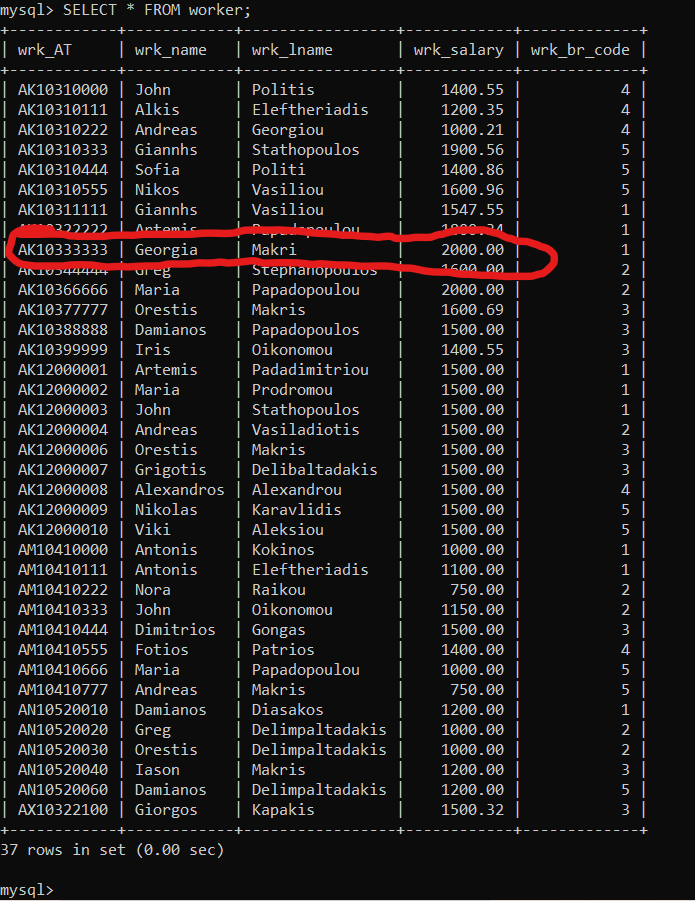


UPDATE worker SET wrk\_salary=500 WHERE wrk\_AT="AK10333333";

Εκτελούμε το παραπάνω **update**.



Εκτελούμε πάλι το **select** με το worker για να δούμε αν έχει γίνει αλλαγή.



Απ’ ότι φαίνεται δεν έχει γίνει αλλαγή.

# **Μέρος Β: GUI**

# **Κεφάλαιο 4 – Java**

To GUI υλοποιήθηκε με απόλυτη επιτυχία με την χρήση του IDE NetBeans και της βιβλιοθήκης JDK 15 για την αλληλεπίδραση με την βάση δεδομένων σε mySQL. Αποτελείται από τις ακόλουθες κλάσης οποίες θα επεξηγούν αναλυτικά :

**AdminWorker**

**Branches**

**BranchInfo**

**Destination**

**DriverWorker**

**Events**

**GuideWorker**

**ItAdmin**

**Log\_Destination**

**Log\_Events**

**Log\_Reservation**

**Log\_Travel\_To**

**Log\_Trip**

**Login**

**Main**

**Menu**

**Offers**

**ProcedureResults**

**ReservationOffers**

**Reservations**

**Travel\_To**

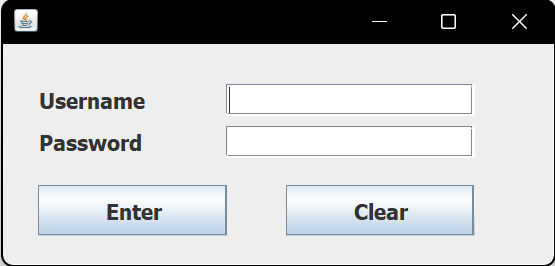
**TripEvent**

**Κλάση Main:**

Αποτελεί την κλάση εκκίνησης του application μας η οποία με την σειρά της καλεί την Login ώστε να πραγματοποίηση την είσοδο στην βάση δεδομένων ο χρήστης.

**Κλάση Login:**

Αποτελεί την κλάση εισόδου του User με Username: το Last Name του και έχει την ακόλουθη οπτική μορφή:

****

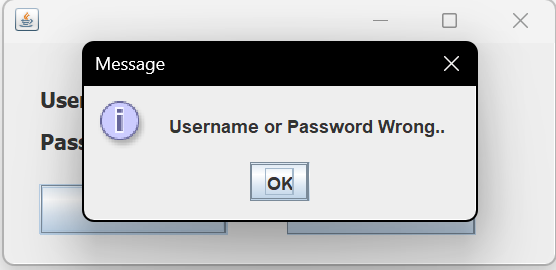
Αποτελείται από τον Constructor Login, την μέθοδο insert , την μέθοδο connect, την μέθοδο enterButtonActionPerformed και την μέθοδο resetButtonActionPerformed.

O Constructor Login με την χρήση του key Listener επιτρέπει στον χρήστη με το πάτημα του πλήκτρο enter να μεταβεί από το text field username στο text field password και από εκεί στο να πατήσει το Enter.

Η μέθοδος connect δέχεται σαν ορίσματα το username και το password και τα αξιοποιεί για να πραγματοποιήσει την σύνδεση με την βάση δεδομένων με την χρήση του jdbc.

Η μέθοδος insert σε πρώτη φάση διαβάζει τα ονόματα και τα επίθετα που βρίσκονται στο αρχείο names.txt (τοποθεσία στο folder classes του project) και τα αποθηκεύει σε δυο arrays. Εν συνεχεία με την χρήση της συνάρτησης random της java περνούμε τυχαία indexes για τα παραπάνω arrays αλλά και τυχαίες τιμές μεταξύ 70-200 για την προκαταβολή του πελάτη η τυχαία επιλογή αυτών των τιμών επαναλαμβάνατε 25.000 φορές για την εισαγωγή των τιμών στο πίνακα reservation\_offers με την χρήση ενός for loop. Εκτελούμε την παραπάνω διαδικασία 3 φορές (σύνολο εγγραφών 75.000) για id offers από 1 έως 3 με την χρήση ενός εξωτερικού for loop. Με αυτήν την συνάρτηση επιτυγχάνουμε την αυτόματη εισαγωγή 75.000 εγγράφων στον πίνακα reservation\_offers της βάσης.

Η μέθοδος enterButtonActionPerformed εκτελείτε όταν πατήσουμε το κουμπί enter στη διεπαφή και καλεί την συνάρτηση connect στην οποία περνάει το username και to password που διάβασε από τα αντίστοιχα πεδία της διεπαφης για να πραγματοποιήσει το connection του χρήστη με τα κατάλληλα δικαιώματα που έχει στην βάση και στην περίπτωση λανθασμένου username ή password ή μη υπάρχοντος χρήστη καθαρίζει τα πεδία και εκτυπώνει το παρακάτω μήνυμα σε ένα νέο παράθυρο με την χρήση της μεθόδου JOptionPane από την βιβλιοθήκη swing. Στην συνέχεια με την επιτυχή εκτέλεση του connection ελέγχουμε αν ο πίνακας reservation offers είναι empty, στην περίπτωση που είναι απλά εκτελείτε η συνάρτηση insert για να εισαχθούν οι 75.000 εγγραφές.



**Σε περίπτωση που πρέπει να πραγματοποιηθούν εγγραφές υπάρχει αναμονή που κινείτε μεταξύ 1 με 3 λεπτά.**

Το log in εξυπηρετεί και χρήστες με διαφορετικά δικαιώματα πχ admins με δικαίωμα view μόνο.

**Χρήστες για Log In :**

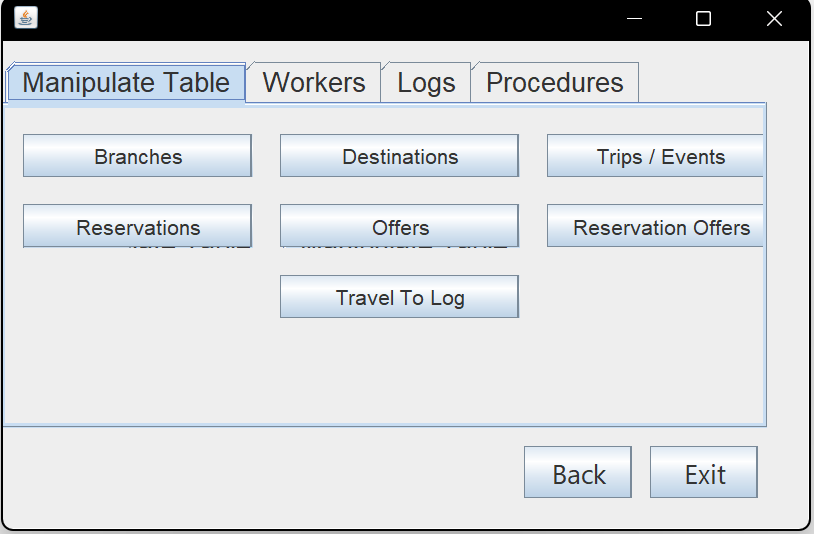
|  |  |
| --- | --- |
| **Last Name** | **Password** |
| Padadimitriou | password |
| Prodromou | password |
| Stathopoulos | John |
| Vasiladiotis | password |
| Raikos | 1234 |
| Makris | 1444 |
| Delibaltadakis | ff |
| Alexandrou | AlexAlex |
| Karavlidis | Nik |
| Aleksiou | password |

**Κλάση Menu:**

Είναι η κλάση που υλοποιεί το menu της εφαρμογής. Κάθε κουμπί αποτελεί μια ξεχωριστή μέθοδο της κλάσης αυτής και περιέχει κώδικα ο οποίος ανοίγει τα κατάλληλα παράθυρα. Σχετικά με την δομή του menu :

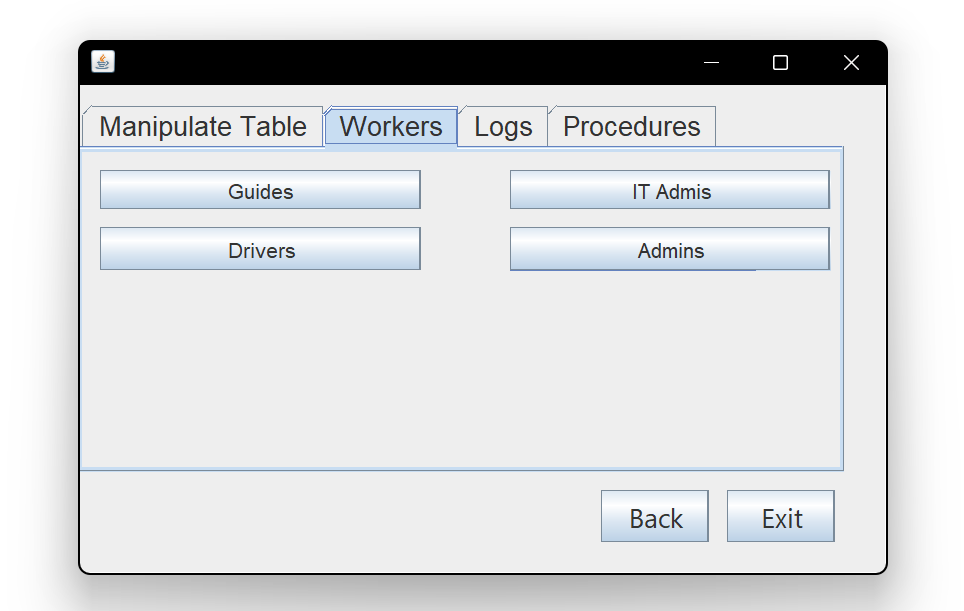
**Manipulate Tables:**

Περιέχει τα κουμπιά τα οποία οδηγούν σε παράθυρα που αφορούν τις λειτουργίες insert delete update and search για τους ακολούθους πίνακες Branches (Πίνακες Branches & Phones), Destinations, Trips/Events (Πινακες Trip & Events ), Reservations , Offers , Reservation\_Offers και Travel\_To.

****

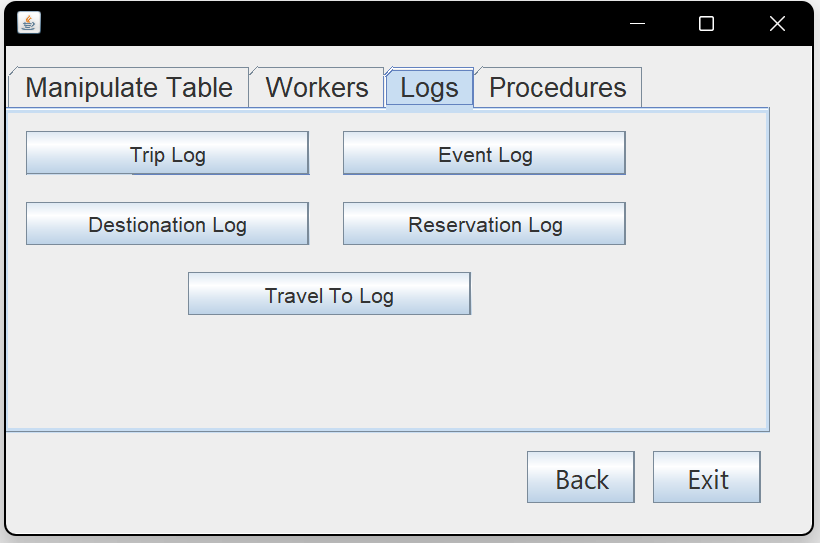
**Workers:**

Περιέχει τα κουμπιά τα οποία οδηγούν σε παράθυρα που αφορούν το της λειτουργίες insert delete update and search για τους ακολούθους πίνακες Guides (Πίνακες guide , worker & languages), IT Admins (Πίνακες it\_admin & worker) , Drivers (worker & driver) and Admins (worker, manages & admin).

****

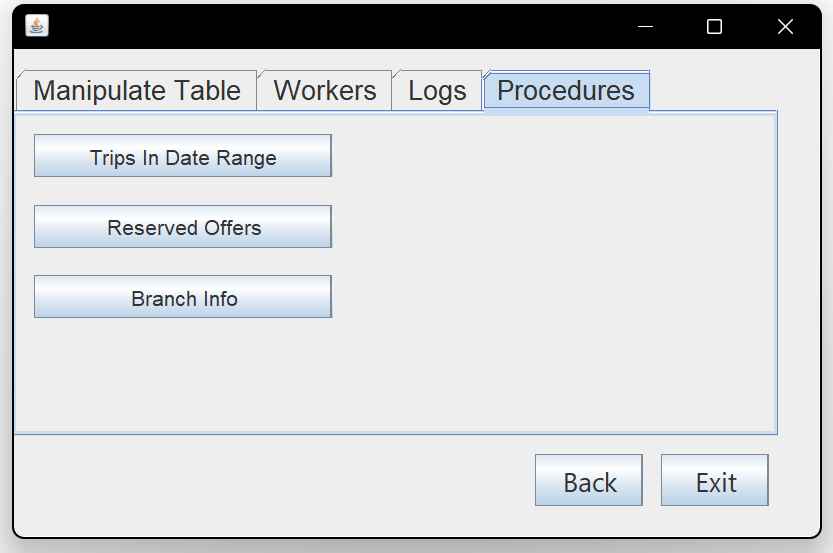
**Logs:**

Περιέχει τα κουμπιά τα οποία οδηγούν σε παράθυρα που παρουσιάζουν το περιεχόμενο των ακόλουθων πινάκων log\_destination , log\_event , log\_event , log\_reservation , log\_travel\_to , log\_trip .

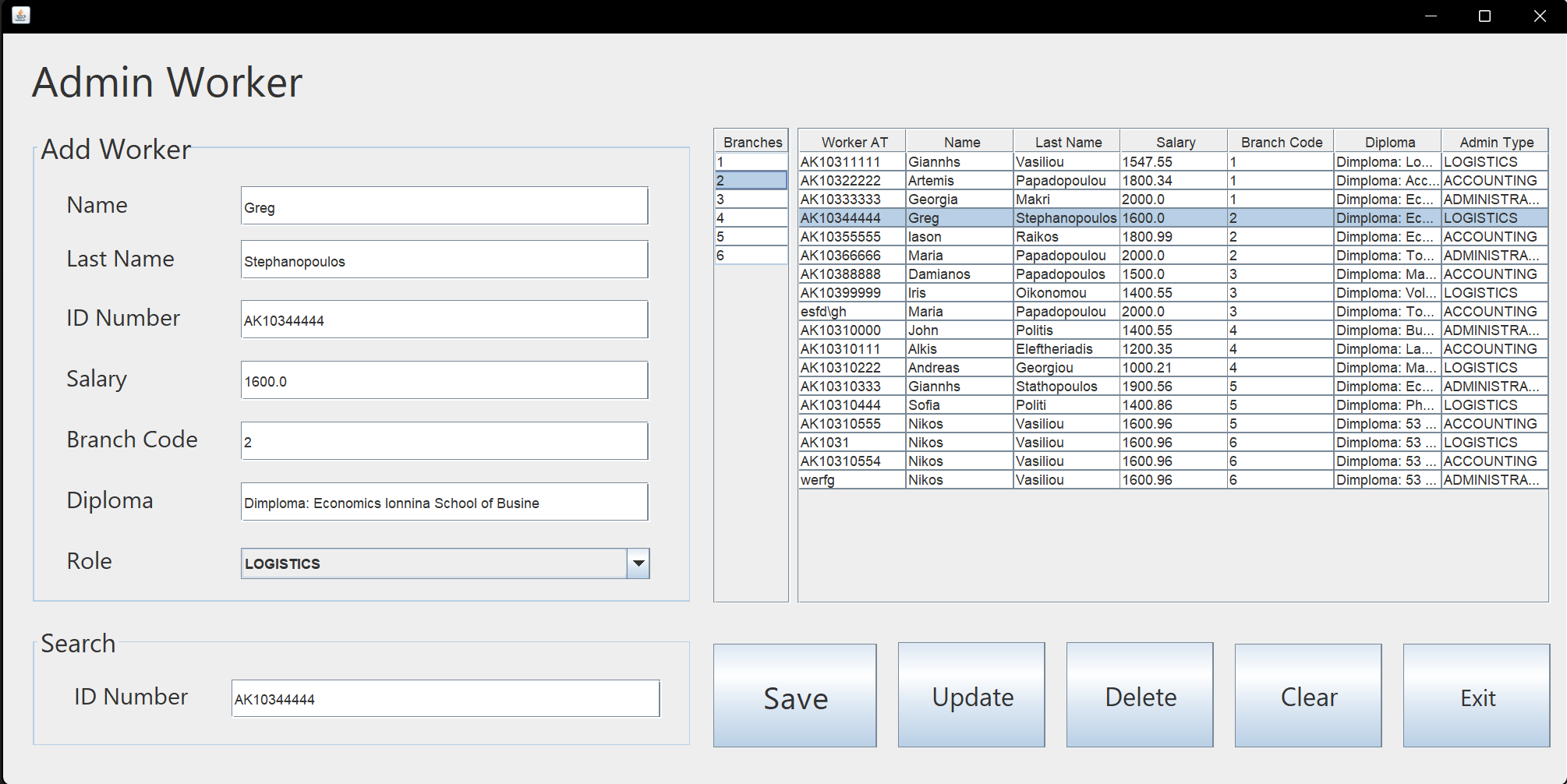


**Procedures:**

Περιέχει τα κουμπιά τα οποία οδηγούν σε παράθυρα που παρουσιάζουν τα αποτελέσματα εκτέλεσης των stored procedures search\_trip(), reservation\_offers() και branch\_info().



**Κλάση AdminWorker:**

****

Αφορά τις λειτουργίες insert delete update and search για ένα admin worker και επηρεάζει τους πίνακες admin worker and manages. Αποτελείται από τις ακόλουθες μεθόδους table\_load() , table\_load\_Branches(), SaveButtonActionPerformed() , ExitButtonActionPerformed() , ClearButtonActionPerformed() , jTable2MouseClicked() , UpdateButton2ActionPerformed() , jTable4MouseClicked() , SearchFieldKeyReleased() , DeleteButtonActionPerformed().

**table\_load() :** Πραγματοποιεί ένα inner join select στους πίνακες admin, worker, manages και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable.

**table\_load\_Branches():** Πραγματοποιεί ένα select στον πίνακα Branches και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable ώστε όταν πάμε να κάνουμε insert ή update έναν admin ο χρηστής να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

**SaveButtonActionPerformed():** διαβάζει τα περιεχόμενα των πεδίων Name , Last Name , ID Number, Salary, Branch Code, Diploma και του drop bar Role (enum var) και πραγματοποιεί το insert στους πίνακες Admin worker and manages. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνομε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**ExitButtonActionPerformed() :** exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

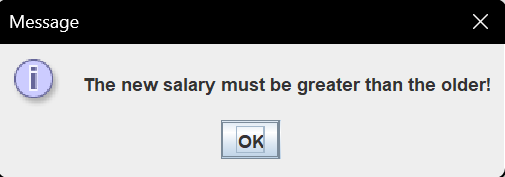
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table admin περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία, drop fields και στο search πεδίο.

**jTable4MouseClicked():** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table branch περνάει το id του branch που περιέχει στο πεδίο Branch Code ώστε όταν πάμε να κάνουμε insert ή update έναν admin ο χρήστης να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

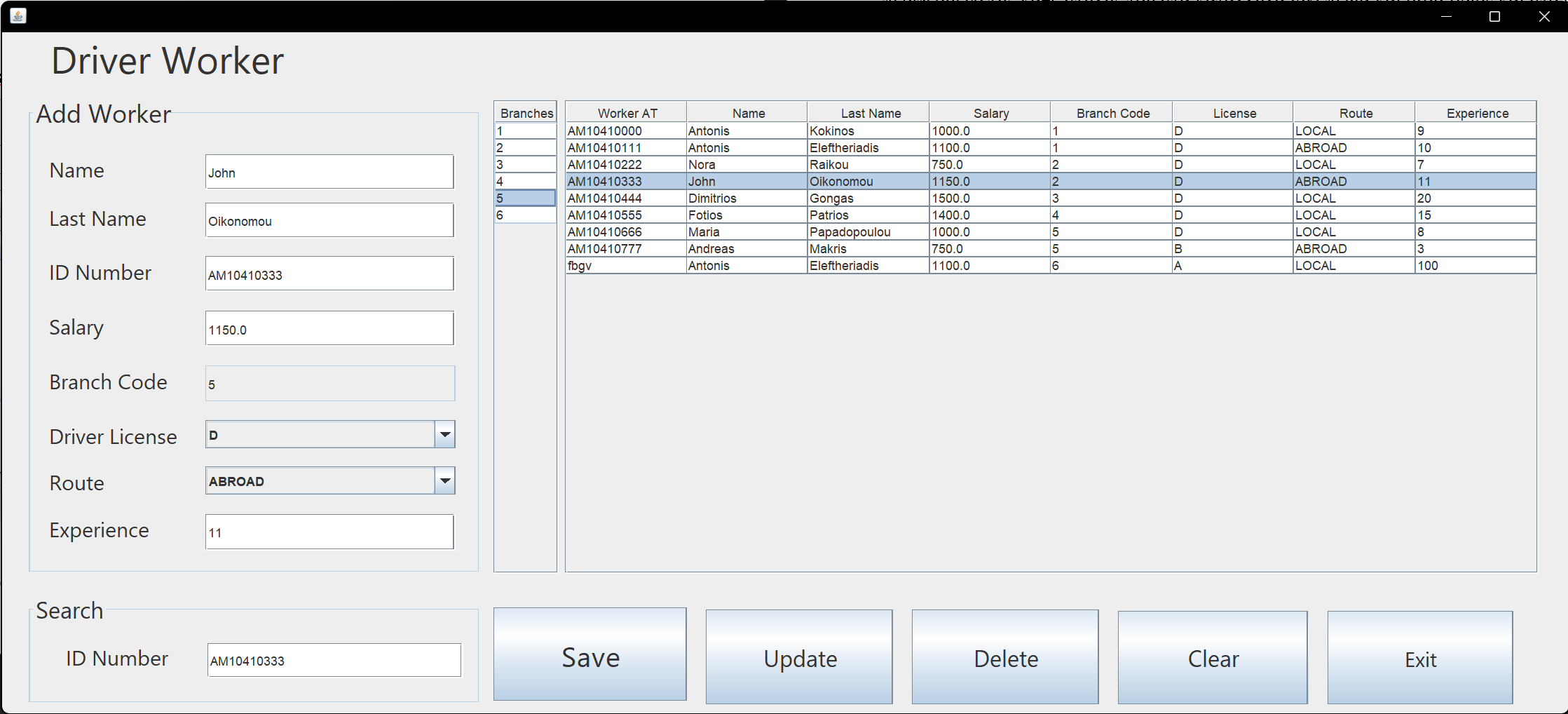
**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του worker που είναι προς διαγραφή από το πεδίο ID Number στο search και τον διαγράφει με χρήση του stored procedure delete\_worker(). Αν ο admin που διαγράφουμε είναι τύπου ADMINISTRATIVE δεν διαγράφεται.

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του worker που θέλουμε να βρούμε από το πεδίο ID Number στο search και μόλις τον βρει μεταφέρει τα στοιχεία του από τους πίνακες admin worker και manages στα κατάλληλα πεδία. Η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update .

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του admin ώστε να αλλάξει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο ID Number στο search και πραγματοποιεί το update. Σε περίπτωση που μειώσει το μισθό του υπαλλήλου καλείται το κατάλληλο trigger που εμποδίζει το update τυπώνουμε το κατάλληλο μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.



**Κλάση DriverWorker:**

****

Αφορά τις λειτουργίες insert delete update and search για ένα Driver worker και επηρεάζει τους πίνακες worker and driver. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load() , table\_load\_Branches(), SaveButtonActionPerformed() , ExitButtonActionPerformed() , ClearButtonActionPerformed() , jTable2MouseClicked() , UpdateButton2ActionPerformed() , jTable4MouseClicked() , SearchFieldKeyReleased() , DeleteButtonActionPerformed().

**table\_load() :** Πραγματοποιεί ένα inner join select στους πίνακες driver και worker και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable.

**table\_load\_Branches():** Πραγματοποιεί ένα select στον πίνακα Branches και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable ώστε όταν πάμε να κάνουμε insert ή update έναν driver, ο χρηστής να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

**SaveButtonActionPerformed():** διαβάζει τα περιεχόμενα των πεδίων Name , Last Name , ID Number , Salary, Branch Code , Driver License , Route και Experience και πραγματοποιεί το insert στους πίνακες driver, worker Για την εισαγωγή ενός driver με την χρήσει του procedure insert\_driver. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error με μορφή ενός νέου παραθύρου.

**ExitButtonActionPerformed() :** exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

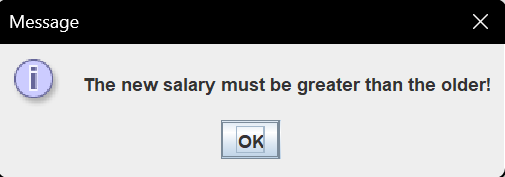
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table driver περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία, drop fields και στο search πεδίο.

**jTable4MouseClicked():** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table branch περνάει το id του branch που περιέχει στο πεδίο Branch Code ώστε όταν πάμε να κάνουμε insert ή update έναν admin ο χρηστής να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

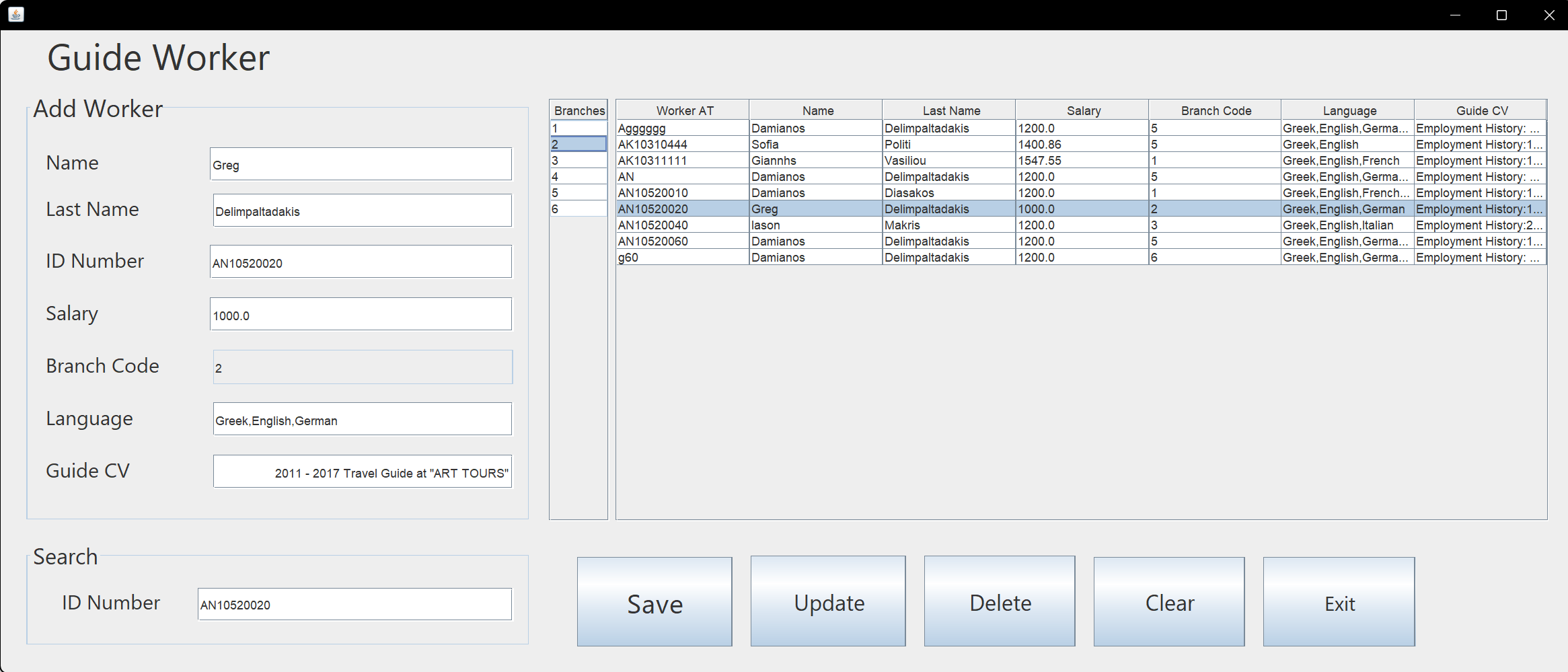
**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του worker που είναι προς διαγραφή από το πεδίο ID Number στο search και τον διαγράφει.

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του worker που θέλουμε να βρούμε από το πεδίο ID Number στο search και μόλις τον βρει μεταφέρει τα στοιχεία του από τους πίνακες driver and worker στα κατάλληλα πεδία. Η λειτουργία search υπάρχει για ευκολία του user στα operations Delete και Update .

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του driver ώστε να αλλάξει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο ID Number στο search και πραγματοποιεί το update. Σε περίπτωση που μειώσει το μισθό του υπαλλήλου διεγείρεται το κατάλληλο trigger που εμποδίζει το update τυπώνουμε το κατάλληλο μήνυμα error στον χρηστεί με μορφή ενός νέου παραθύρου.



**Κλάση GuideWorker:**

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Αφορά τις λειτουργίες insert delete update and search για ένα Guide worker και επηρεάζει τους πίνακες guide worker και language . Αποτελείται από τις ακόλουθες μεθόδους table\_load() , table\_load\_Branches(), SaveButtonActionPerformed() , ExitButtonActionPerformed() , ClearButtonActionPerformed() , jTable2MouseClicked() , UpdateButton2ActionPerformed() , jTable4MouseClicked() , SearchFieldKeyReleased() , DeleteButtonActionPerformed().

**table\_load() :** Πραγματοποιεί ένα inner join select στους πίνακες guide, worker και language και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable.

**table\_load\_Branches():** Πραγματοποιεί ένα select στον πίνακα Branches και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable ώστε όταν πάμε να κάνουμε insert ή update έναν admin ο χρηστής να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Name , Last Name , ID Number , Salary, Branch Code , Language και Guide CV και πραγματοποιεί το insert στους πίνακες guide worker and language για την εισαγωγή ενός guide. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**ExitButtonActionPerformed() :** Exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

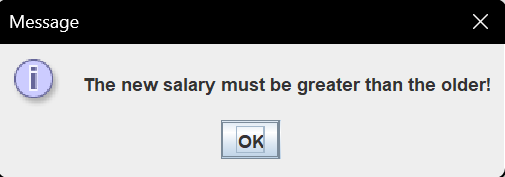
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table guide περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και στο search πεδίο.

**jTable4MouseClicked():** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table branch περνάει το id του branch που περιέχει στο πεδίο Branch Code ώστε όταν πάμε να κάνουμε insert ή update έναν admin ο χρηστής να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

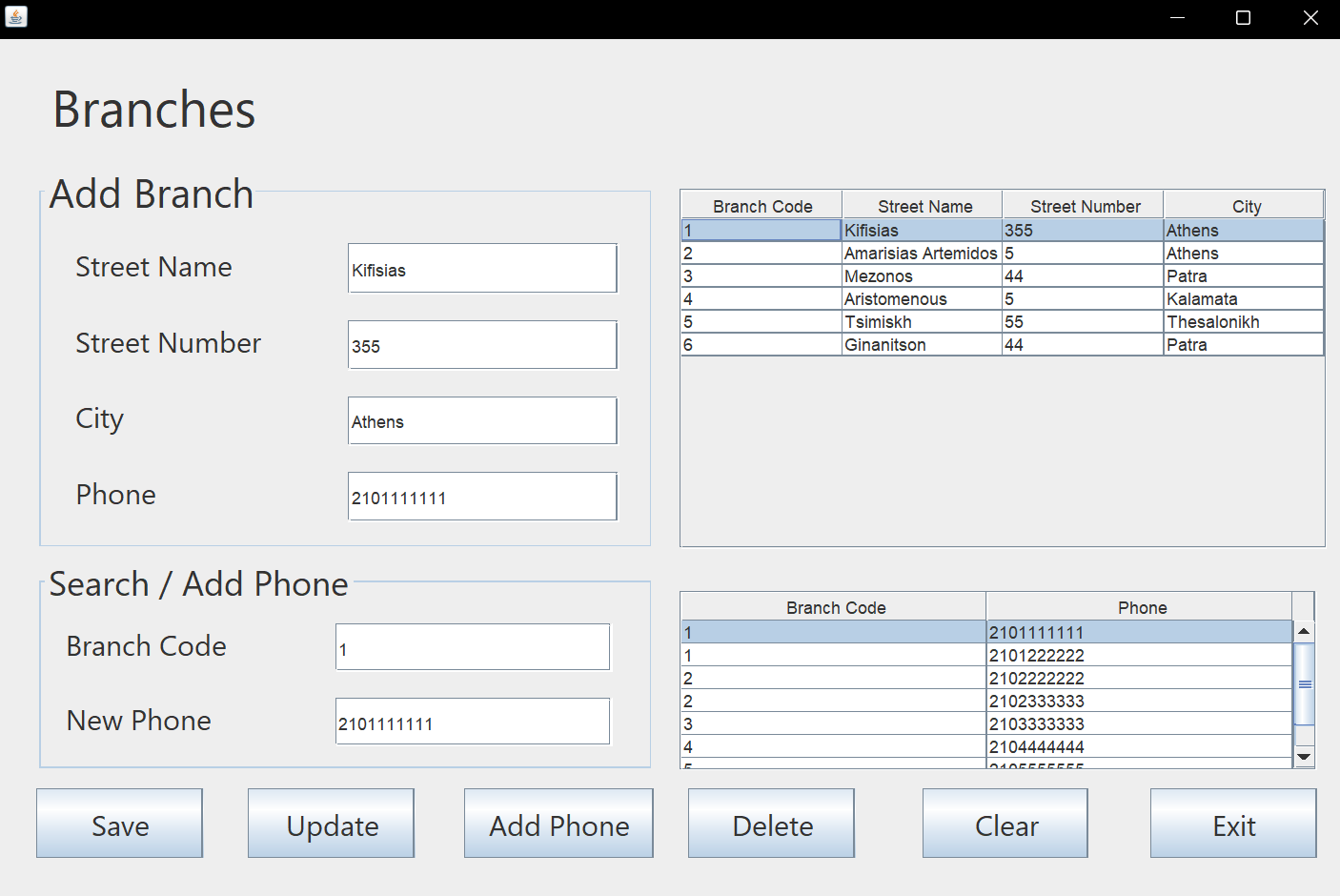
**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του worker που είναι προς διαγραφή από το πεδίο ID Number στο search και τον διαγράφει.

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του worker που θέλουμε να βρούμε από το πεδίο ID Number στο search και μόλις τον βρει μεταφέρει τα στοιχεία του από τους πίνακες guide worker and language στα κατάλληλα πεδία η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update .

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του guide ώστε να αλλάξει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο ID Number στο search και πραγματοποιεί το update. Σε περίπτωση που μειώσει το μισθό του υπαλλήλου διεγείρεται το κατάλληλο trigger που εμποδίζει το update τυπώνουμε το κατάλληλο μήνυμα error με μορφή ενός νέου παραθύρου.



**Κλάση Branches:**

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Αφορά τις λειτουργίες insert delete update and search για ένα branch και αλληλοεπιδρά με τον πίνακα branche. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButtonActionPerformed() , jTable2MouseClicked() , SearchFieldKeyReleased() , DeleteButtonActionPerformed() , AddPhoneButtonActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα branche και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα select για τις στήλες ph\_br\_code \_id και ph\_number του πίνακα phones και περνάει τα αποτελέσματα από το query σε έναν Jtable , ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τους διαθέσιμους προορισμός που μπορεί να επιλέξει για το πεδίο phone για τα operations insert delete update ενός τηλεφώνου του branch.

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του branch και το τηλέφωνο που θέλουμε να βρούμε από το πεδίο Branch Code και New Phone στο search και μόλις το βρει μεταφέρει τα στοιχεία του destination από τον πίνακα destination στo κατάλληλa πεδία. Η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**ExitButtonActionPerformed() :** Exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable branch και περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και στο search πεδίο.

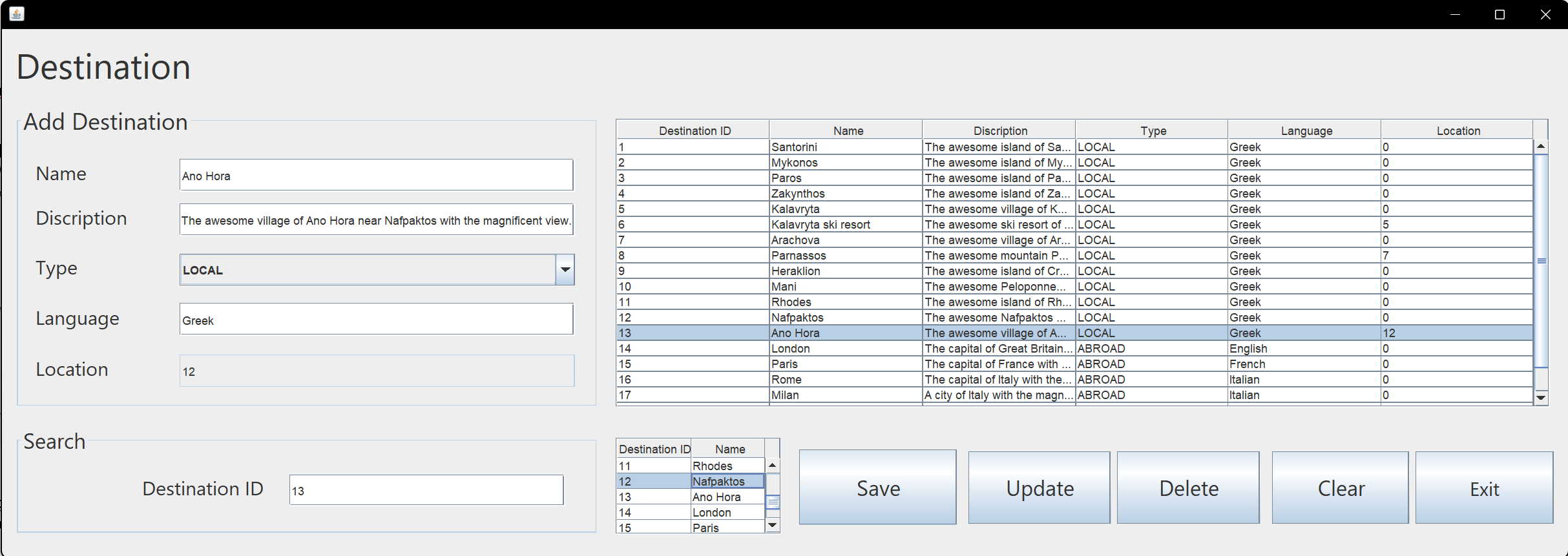
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον πίνακα phone jtable περνάει το περιεχόμενο του τηλεφώνου , στο PhoneField και στο NewPhoneField πεδίο.

**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του branch που είναι προς διαγραφή από το πεδίο Branch code στο search και το διαγράφει.

**UpdateButtonActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του destination ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας το τωρινό Branch Code (key) από το πεδίο Branch Code και το New Phone για το τηλέφωνο που είναι προς αλλαγή στο search και πραγματοποιεί το update.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Street Name , Street Number , City , Phone και πραγματοποίει το insert στον πίνακα branch για την εισαγωγή ενός νέου υποκαταστήματος . Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**AddPhoneButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Branch code and New Phone και πραγματοποίει το insert στον πίνακα phones για ένα νέο τηλέφωνο . Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**Κλάση Destination:**

Αφορά τις λειτουργίες insert delete update and search για ένα destination και αλληλοεπιδρά με τον πίνακα destination. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchFieldKeyReleased() , DeleteButton1ActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα destination και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα select για τις στήλες dst\_id και dst\_name του πίνακα destination και περνάει τα αποτελέσματα από το query σε έναν Jtable , ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τους διαθέσιμους προορισμός που μπορεί να επιλέξει για το πεδίο location αυτό αναφορά.

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του destination που θέλουμε να βρούμε από το πεδίο Destination ID στο search και μόλις το βρει μεταφέρει τα στοιχεία του destination από τον πίνακα destination στo κατάλληλo πεδίo. Η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**ExitButtonActionPerformed() :** Exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table destination περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και search πεδίο.

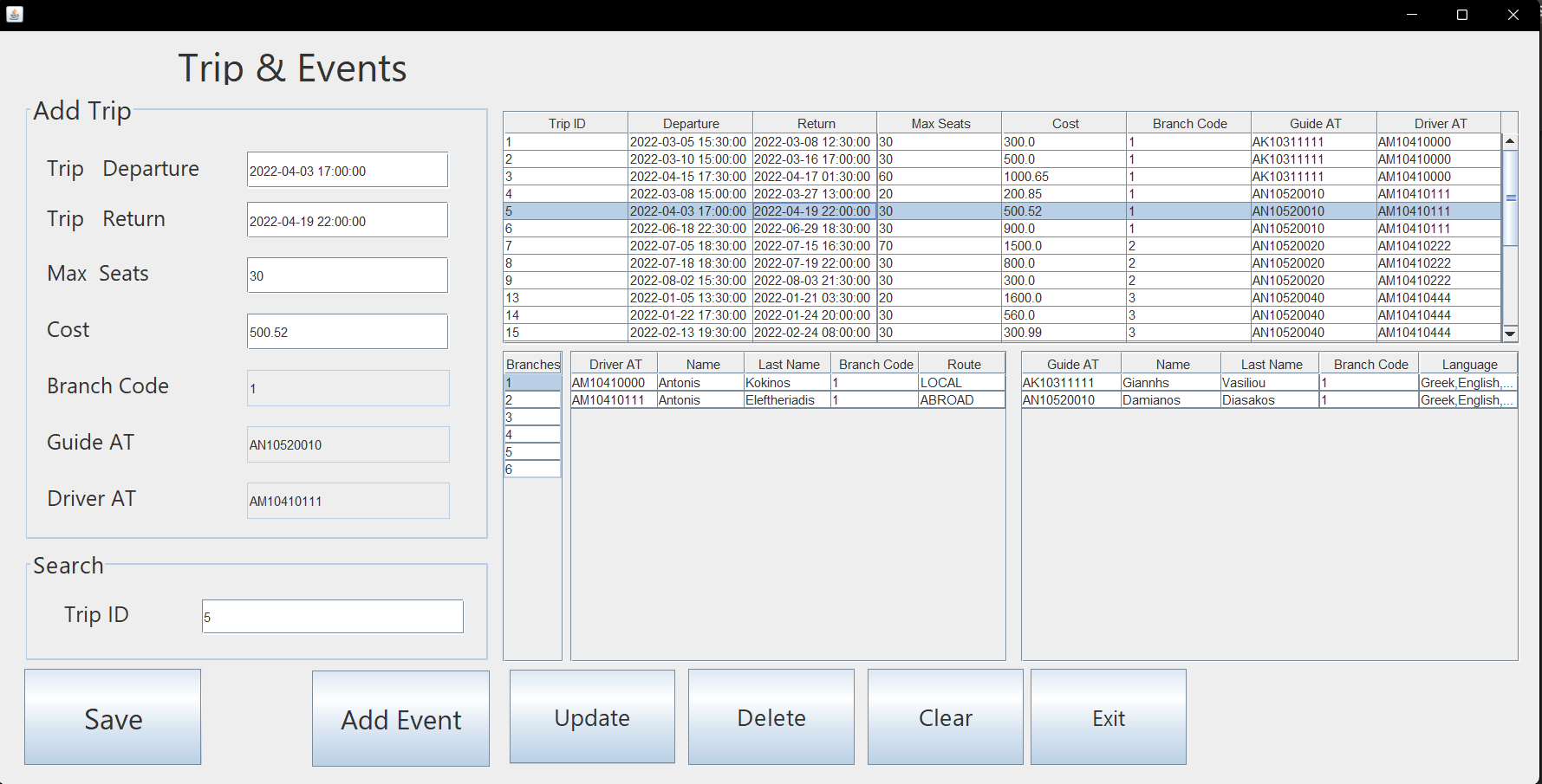
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον αυτό αναφορικό destination selector jtable περνάει το περιεχόμενο της κάθε στήλης του, στο Location Text πεδίο.

**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του destination που είναι προς διαγραφή από το πεδίο Destination ID στο search και το διαγράφει.

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του destination ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο Destination ID στο search και πραγματοποιεί το update. Το update εκτελείτε σε δυο περίπτωσης αν το location είναι zero (null) τότε ο προορισμός δεν περιέχει sub location άρα στο update query προς την sql δεν τροποποιεί η στήλη dst\_location ενώ στην περίπτωση non zero στο update queries τροποποιούμε κατά βούληση το dst\_location.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Name , Description , Type , Salary, Language και Location και πραγματοποίει το insert στον πίνακα destiantion για την εισαγωγή ενός προορισμού. Το insert εκτελείτε σε δυο περίπτωσης αν το location είναι zero (null) τότε ο προορισμός δεν περιέχει sub location άρα στο insert query προς την sql η στήλη dst\_location πενει default τιμή (null) ενώ στην περίπτωση non zero στο insert query τοποθετούμε κατά βούληση στο dst\_location. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**Κλάση TripEvent**

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Αφορά τις της λειτουργίες insert delete update and search για ένα Trip & Event και αλληλοεπιδρά σε πρώτη φάση με τον πίνακα Trip και σε δεύτερη με τον πίνακα Events (νέο παράθυρο) . Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_loadDriver(), table\_loadGuide() , table\_load\_Branches() ,SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable4MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchFieldKeyReleased() , DeleteButtonActionPerformed(), jTabledriverMouseClicked() , jTableguideMouseClicked() , AdddEventButtonActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα Trip της βάσης και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load\_Branches():** Πραγματοποιεί ένα select στον πίνακα Branches και περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable ώστε όταν πάει να κάνει insert ή update ένα trip ο χρηστής, να έχει γνώση τον υπάρχοντων branches ώστε, να επιλέξει ένα.

**table\_loadDriver (String bf) :** Δέχεται σαν όρισμα τον branch code που έχουμε επιλέξει μέχρι τώρα από το πεδίο Branch Code και πραγματοποιεί ένα inner join select στους πίνακες worker και driver, για βρεί τους διαθέσιμους drivers του επιλεγμένου branch. Περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable ώστε όταν πάει να κάνει insert ή update ένα trip ο χρηστής να έχει γνώση των διαθέσιμων drivers και των στοιχείων τους ώστε να επιλέξει ένα.

**table\_loadGuide (String bf) :** Δέχεται σαν όρισμα τον branch code που έχουμε επιλέξει μέχρι τώρα από το πεδίο Branch Code και πραγματοποιεί ένα inner join select στους πίνακες worker , guide και languages , για βρει τους διαθέσιμους guides του επιλεγμένου branch. Περνάει τα αποτελέσματα της απάντησης του σε έναν Jtable ώστε όταν πάει να κάνει insert ή update ένα trip ο χρηστής να έχει γνώση των διαθέσιμων guides και των στοιχείων τους ώστε να επιλέξει ένα.

**jTable4MouseClicked():** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table branch περνάει το id του branch που περιέχει στο πεδίο Branch Code ώστε όταν πάμε να κάνουμε insert ή update ένα trip ο χρηστής να έχει γνώση τον υπάρχοντων branches ώστε να επιλέξει ένα.

**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table trip περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και στο search πεδίο.

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του trip, ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο Trip ID στο search πραγματοποιεί το update στην εγγραφή.

**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του trip που είναι προς διαγραφή από το πεδίο Trip ID στο search και το διαγράφει.

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του trip που θέλουμε να βρούμε από το πεδίο Trip ID στο search και μόλις το βρει μεταφέρει τα στοιχεία του από τον πίνακα trip στα κατάλληλα πεδία η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**ExitButtonActionPerformed() :** Εxit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου

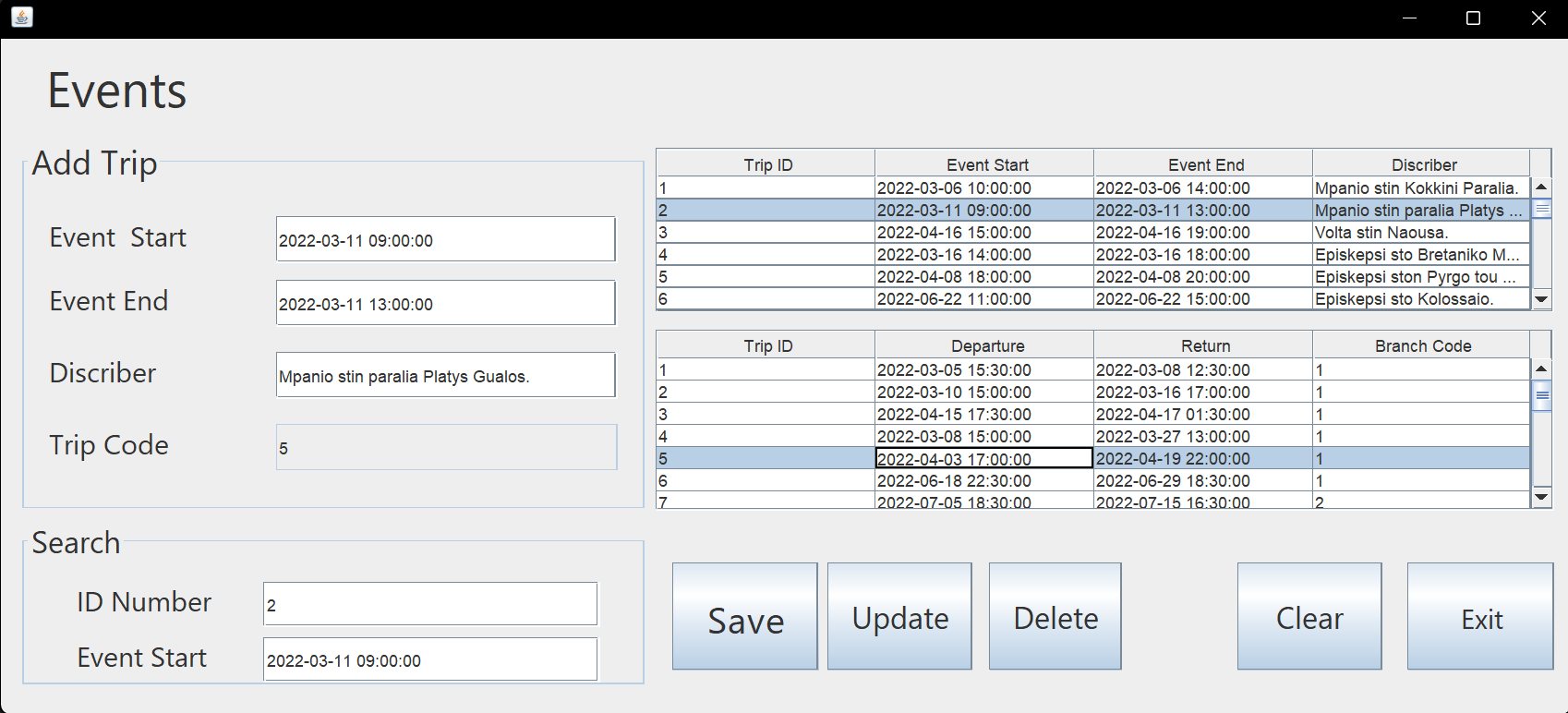
**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Trip Departure , Trip Return , Max seats ,Cost , Branch Code , Guide AT , Driver AT και πραγματοποιεί το insert στον πίνακα trip για την εισαγωγή ενός νέου trip. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**jTabledriverMouseClicked():** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable driver περνάει το id του driver που περιέχει στο πεδίο Driver AΤ ώστε όταν πάμε να κάνουμε insert ή update ένα trip ο χρηστής να έχει γνώση τον υπάρχοντων Drivers ώστε να επιλέξει ένα.

**jTableguideMouseClicked():** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable guide περνάει το id του guide που περιέχει στο πεδίο Guide AI ώστε όταν πάμε να κάνουμε insert ή update ένα trip ο χρηστής να έχει γνώση τον υπάρχοντων guides ώστε να επιλέξει ένα.

**AddEventButtonActionPerformed() :** αποτελεί το κουμπί που οδηγεί τον χρήστη σε ένα νέο γραφικό παράθυρο που αφορά τα operations για τον πίνακα Event.

**Κλάση Events**



Αφορά τις λειτουργίες insert delete update and search για ένα event και αλληλοεπιδρά με τον πίνακα event. Η πρόσβαση σε αυτό το παράθυρο του gui πραγματοποιείται μέσα από το παράθυρο trip για λογούς συνέχειας, διότι τα γεγονότα συσχετίζονται άμεσα με το ένα ταξίδι . Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchField2KeyReleased() , DeleteButton1ActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα Events και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα select για τις στήλες tr\_id , tr\_departure , tr\_return και tr\_br\_code του πίνακα trip και περνάει τα αποτελέσματα από το query σε έναν Jtable . Για να έχει ο χρήστης μια καλύτερη εικόνα για τους διαθέσιμα ταξίδια που μπορεί να επιλέξει για το πεδίο Trip Code του event το οποί συνδέει ένα event με το ταξίδι στο οποίο ανήκει .

**ExitButtonActionPerformed() :** Εxit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**DeleteButtonActionPerformed() :** Διαβάζει τα δυο κλειδιά του event που είναι προς διαγραφή από τα πεδία ID Number and Event Start στο σύνολο πεδίων search και διαγράφει το event που επιθυμούμε.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Event Start , Event End , Describer , Trip Code και πραγματοποιεί το insert στον πίνακα event για την εισαγωγή ενός event. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

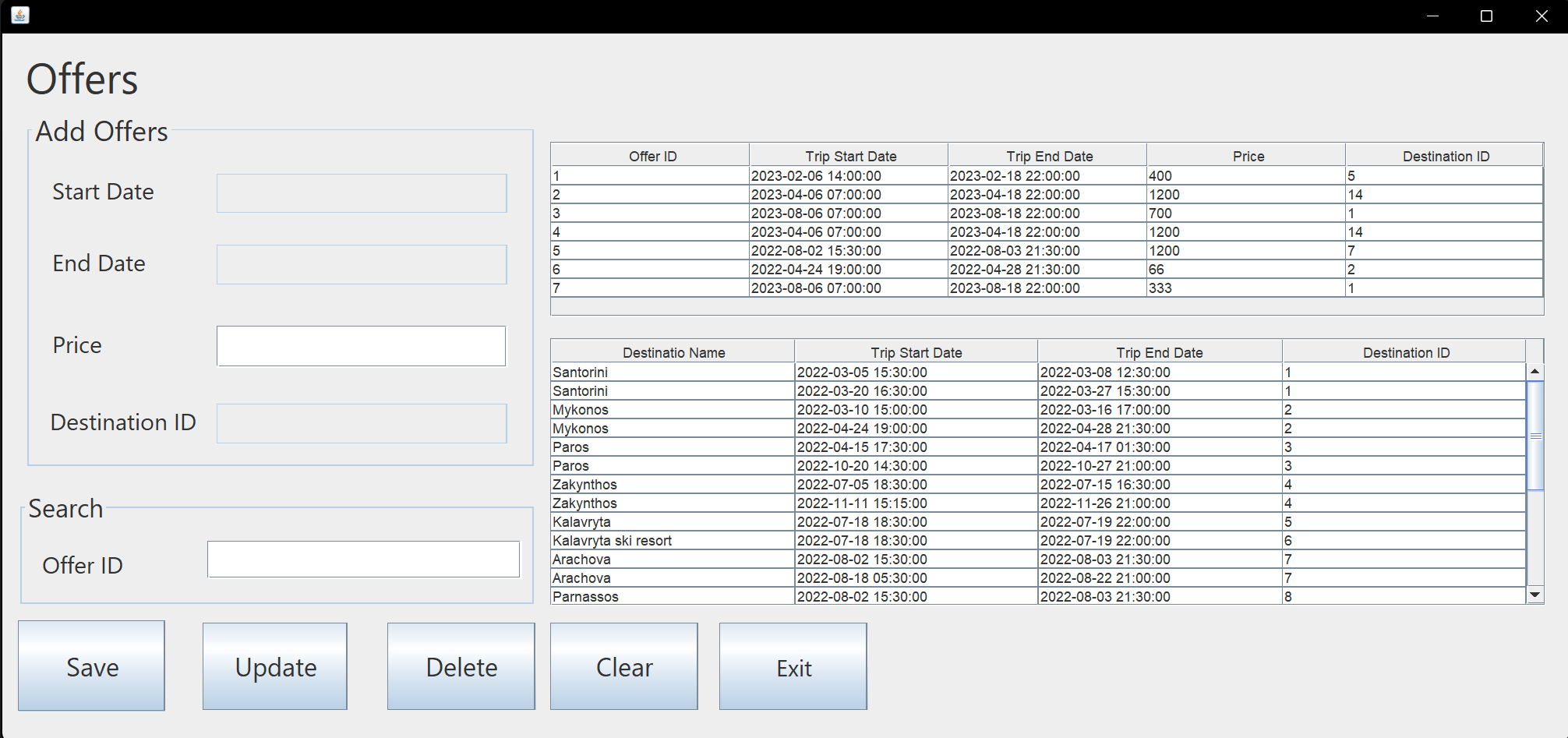
**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του guide, για να τροποποιήσει αυτά που επιθυμεί. Αξιοποιώντας τα τωρινά κλειδιά του event από τα πεδία ID Number and Event Start στο σύνολο πεδίων search, πραγματοποιεί το update.

**SearchFieldKeyReleased():** Διαβάζει τα κλειδιά του event που θέλουμε να βρούμε από τα πεδία ID Number and Event Start στο σύνολο πεδίων και μόλις το βρει μεταφέρει τα στοιχεία του event από τον πίνακα event στα κατάλληλα πεδία, η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table trip περνάει το περιεχόμενο της στήλης id του στο text πεδίο Trip Code.

**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable event περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και search πεδία.

**Κλάση Offers :**

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Αφορά τις λειτουργίες insert delete update and search για ένα offer και αλληλοεπιδρά τον πίνακα doffers. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchFieldKeyReleased() , DeleteButton1ActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα offers και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα select για τις στήλες dst\_id ,dst\_name, tr\_departure και tr\_return του πίνακα trip και περνάει τα αποτελέσματα από το query σε έναν Jtable , ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τa διαθέσιμους προορισμούς μπορεί να επιλέξει έναν για το offer (πεδίο Destination id).

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του offer που θέλουμε να βρούμε από το πεδίο Offer ID στο search και μόλις το βρει μεταφέρει τα στοιχεία του offer από τον πίνακα offers στα κατάλληλα πεδία η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**ExitButtonActionPerformed() :** Εxit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable offers περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και στο search πεδίο.

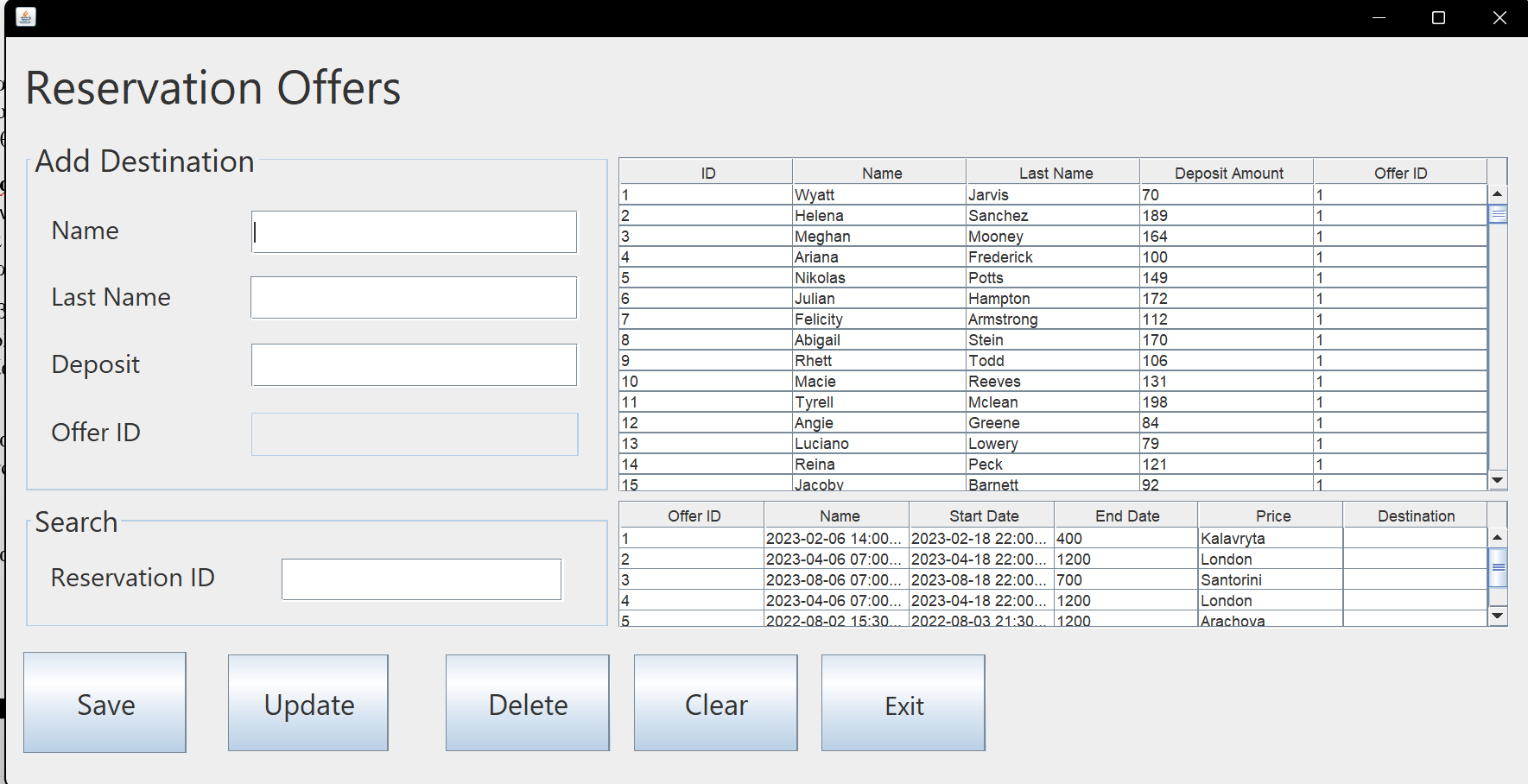
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από destination s jtable περνάει το περιεχόμενο του της id στήλης του στο Destination ID Text πεδίο.

**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του offer που είναι προς διαγραφή από το πεδίο Destination ID στο search και το διαγράφει.

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του offer ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο Offer ID στο search πραγματοποιεί το update.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Start Date , End Date , Price , Destiantion ID και πραγματοποιεί το insert στον πίνακα offers για την εισαγωγή ενός offer. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**Κλάση ReservationOffers :**

****

Αφορά τις λειτουργίες insert delete update and search για ένα offer και αλληλοεπιδρά τον πίνακα reservation\_offers. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchFieldKeyReleased() , DeleteButton1ActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα reservation\_offers και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα inner join select για τις στήλες offer\_id ,offer\_trip\_start\_date , offer\_trip\_end\_date ,Price\_per\_Person και dst\_name των πινάκων offers και destination και περνάει τα αποτελέσματα από το query σε έναν Jtable , ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τα διαθέσιμες προσφορές που μπορεί να επιλέξει έναν για το reservation offer (πεδίο Offer id ).

**SearchFieldKeyReleased():** Διαβάζει το κλειδί (ID) του reservation offer που θέλουμε να βρούμε από το πεδίο Reservation ID στο search και μόλις το βρει μεταφέρει τα στοιχεία του reservation offer από τον πίνακα reservation\_offers στα κατάλληλα πεδία. H λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**ExitButtonActionPerformed() :** Exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable reservation\_offers περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και στο search πεδίο.

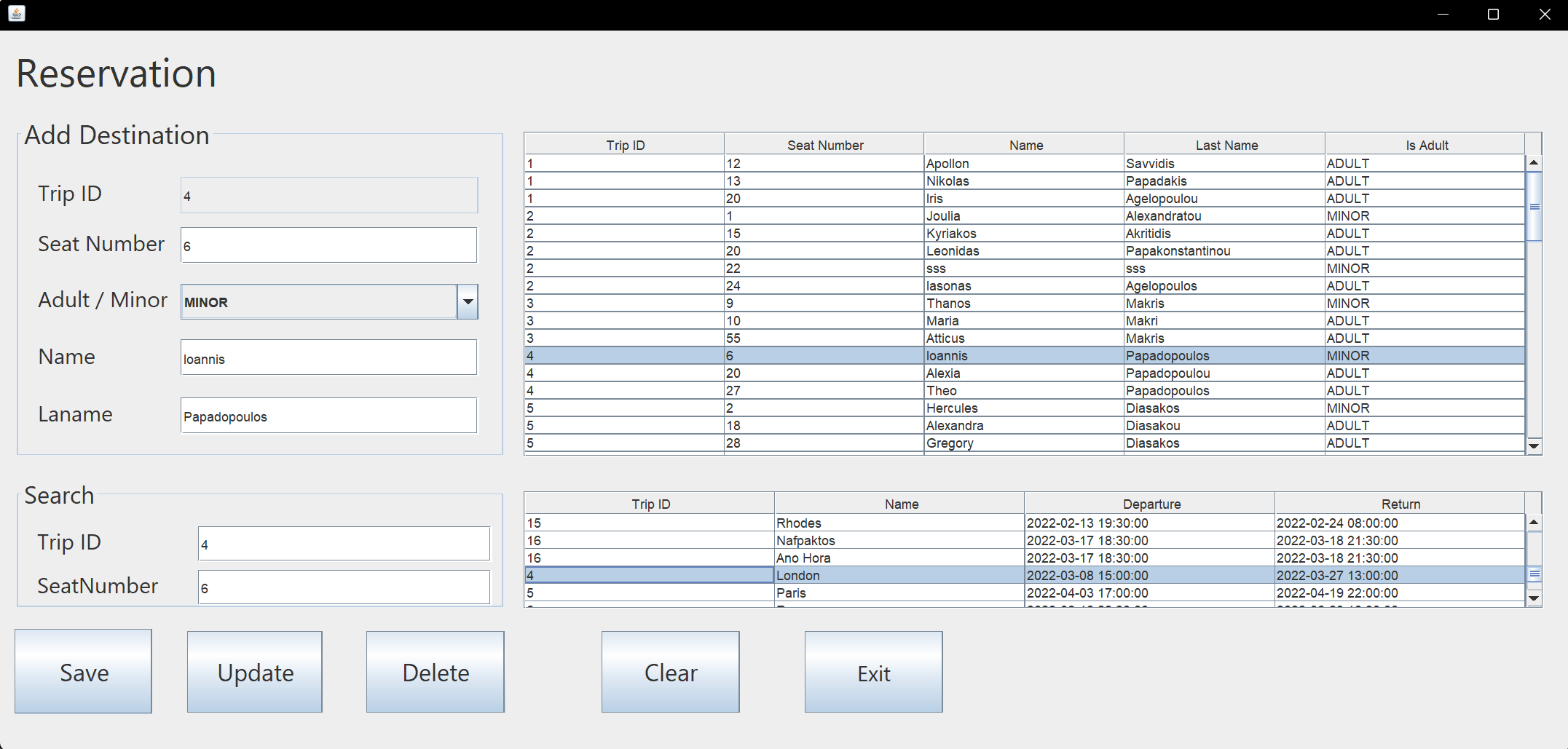
**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από το offer jtable περνάει το περιεχόμενο του της id στήλης του στο Offer ID Text πεδίο.

**DeleteButtonActionPerformed() :** Διαβάζει το κλειδί του reservation offer που είναι προς διαγραφή από το πεδίο Destination ID στο search και το διαγράφει.

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του offer ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας το τωρινό id (key) από το πεδίο Reservation ID στο search πραγματοποιεί το update.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Name , Last Name , Deposit , Offer ID και πραγματοποιεί το insert στον πίνακα reservation\_offers για την εισαγωγή ενός reservation offer. Σε περίπτωση error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**Κλάση** **Reservations:**

****

Αφορά τις λειτουργίες insert delete update and search για ένα Reservation και αλληλοεπιδρά με τον πίνακα reservation. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchField2KeyReleased() , DeleteButton1ActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα reservation και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα inner join select για τις στήλες tr\_id ,tr\_departure, tr\_return και dst\_name τους πίνακες trip και destination περνάει τα αποτελέσματα από το query σε έναν Jtable, ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τους διαθέσιμα ταξίδια που μπορεί να επιλέξει για το πεδίο Trip ID του reservation το οποίo συνδέει ένα reservation με το ταξίδι.

**ExitButtonActionPerformed() :** Exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**DeleteButtonActionPerformed() :** Διαβάζει τα δυο κλειδιά του reservation που είναι προς διαγραφή από τα πεδία Trip ID and SeatNumber στο σύνολο πεδίων search και διαγράφει το reservation που επιθυμούμε.

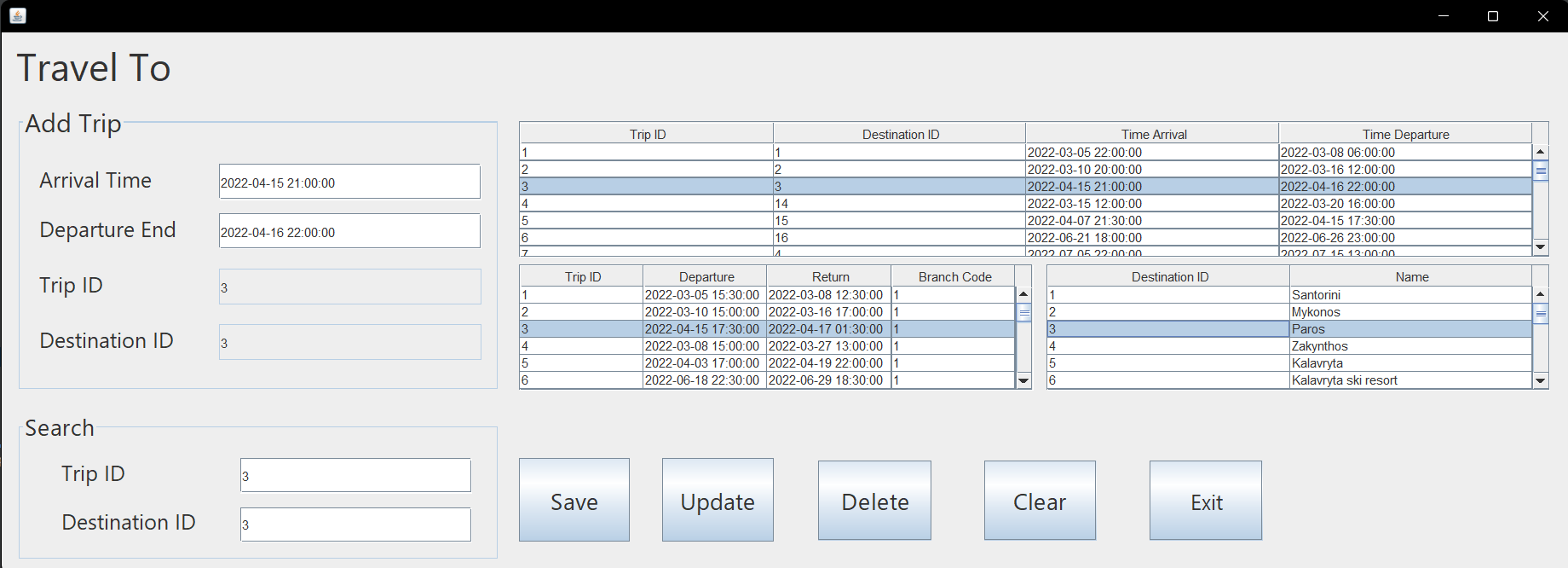
**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Trip ID , Seat Number , Adult / Minor, Name and Lname και πραγματοποιεί το insert στον πίνακα reservation για την εισαγωγή ενός reservation. Ωστόσο πριν πραγματοποίηση την εισαγωγή ελέγχει αν ο αριθμός της θέσεις που επέλεξε ο πελάτης για το ταξίδι είναι μικρότερος ή ίσος με τον μέγιστο αριθμού θέσεων του ταξιδιού που έκανε την κράτηση ο πελάτης . Στην περίπτωση που είναι τυπώνει το κατάλληλο μήνυμα σε ένα νέο παράθυρο. Ενώ για την ύπαρξη άλλου error με την χρήση του sql exception το πιάνουμε και τυπώνουμε το μήνυμα error στον χρήστη με μορφή ενός νέου παραθύρου.

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του reservation ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας τα τωρινά κλειδιά του reservation από τα πεδία Trip ID and Seat Start στο σύνολο πεδίων search και πραγματοποιεί το update. Ωστόσο πριν πραγματοποιήσει τo update ελέγχει αν ο αριθμός της θέσεις που επέλεξε για το ταξίδι είναι μικρότερος ή ίσος απο τον μέγιστο αριθμού θέσεων του ταξιδιού που έκανε την κράτηση ο πελάτης . Στην περίπτωση που είναι τυπώνει το κατάλληλο μήνυμα σε ένα νέο παράθυρο.

**SearchFieldKeyReleased():** Διαβάζει τα κλειδιά του reservation που θέλουμε να βρούμε από τα πεδία Trip ID and Seat Start στο σύνολο πεδίων και μόλις το βρει μεταφέρει τα στοιχεία του reservation από τον πίνακα event στα κατάλληλα πεδία. Η λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table reservation περνάει το περιεχόμενο της στήλης id του στο text πεδίο Trip Code.

**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable destination περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και search πεδία.

**Κλάση Travel\_To**

Αφορά τις λειτουργίες insert delete update and search για ένα Travel To και αλληλοεπιδρά με τον πίνακα travel\_to. Αποτελείται από τις ακόλουθες μεθόδους που αξιοποιούνται table\_load(), table\_load2(), table\_load3() , SaveButtonActionPerformed() , ExitButtonActionPerformed(), ClearButtonActionPerformed() , jTable1MouseClicked() , UpdateButton2ActionPerformed() , jTable2MouseClicked() , SearchField2KeyReleased() , DeleteButton1ActionPerformed().

**table\_load() :** Πραγματοποιεί ένα select στον πίνακα Travel To και περνάει τα αποτελέσματα από το query σε έναν Jtable.

**table\_load2() :** Πραγματοποιεί ένα inner join select για τις στήλες tr\_id ,tr\_departure, tr\_return και dst\_name τους πίνακες trip και destination περνάει τα αποτελέσματα από το query σε έναν Jtable, ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τους διαθέσιμα ταξίδια που μπορεί να επιλέξει για το πεδίο Trip ID του reservation το οποίo συνδέει ένα reservation με το ταξίδι.

**table\_load3() :** Πραγματοποιεί ένα inner join select για τις στήλες tr\_id ,tr\_departure, tr\_return και dst\_name τους πίνακες trip και destination περνάει τα αποτελέσματα από το query σε έναν Jtable , ώστε ο χρήστης να έχει μια καλύτερη εικόνα για τους διαθέσιμα ταξίδια που μπορεί να επιλέξει για το πεδίο Trip ID του reservation το οποί συνδέει ένα reservation με το ταξίδι.

**ExitButtonActionPerformed() :** Exit από το application.

**ClearButtonActionPerformed():** Καθαρίζει όλα τα πεδία του παραθύρου.

**DeleteButtonActionPerformed() :** Διαβάζει τα δυο κλειδιά του travel\_to που είναι προς διαγραφή από τα πεδία Trip ID and Destionation Id στο σύνολο πεδίων search και διαγράφει το travel\_to που επιθυμούμε.

**SaveButtonActionPerformed():** Διαβάζει τα περιεχόμενα των πεδίων Trip ID , Destination ID, Arrival Time Departure και πραγματοποιεί το insert στον πίνακα travel\_to.

**UpdateButton2ActionPerformed():** Αξιοποιεί την συνάρτηση SearchFieldKeyReleased ώστε να προσφέρει στον χρήστη την τρέχουσα κατάσταση των στοιχείων του travel\_to ώστε να τροποποιήσει αυτά που επιθυμεί και αξιοποιώντας τα τωρινά κλειδιά του travel\_to από τα πεδία Trip ID and Destination ID στο σύνολο πεδίων search και πραγματοποιεί το update.

**SearchFieldKeyReleased():** Διαβάζει τα κλειδιά του travel\_to που θέλουμε να βρούμε από τα πεδία Trip ID and Destination ID στο σύνολο πεδίων και μόλις το βρει μεταφέρει τα στοιχεία του travel\_to από τον πίνακα travel\_to στα κατάλληλα πεδία. H λειτουργία search υπάρχει για ευκολία του user στα operations Delete and Update.

**jTable1MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον table trip περνάει το περιεχόμενο της στήλης id του στο text πεδίο Trip Code.

**jTable2MouseClicked() :** Διασφαλίζειότι όταν επιλέγουμε ένα row από τον jtable destination περνάει το περιεχόμενο της κάθε στήλης του στα κατάλληλα text πεδία και drop fields και search πεδία.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματα**Κλάση ItAdmin**

Αφορά τις λειτουργίες insert, delete για ένα ItAdmin και αλληλοεπιδρά με τον πίνακα it\_admin.

**Constructor:**

**public ItAdmin() {**

**initComponents();**

**tmodel = (DefaultTableModel) jTable.getModel();**

**branch\_tmodel = (DefaultTableModel) jTable.getModel();**

**selectAll();**

**tableLoadBranches();**

**}**

Στον δημιουργό της κλάσης φορτώνουμε τα μοντέλα του βασικού πίνακα και του πίνακα των branches και γεμίζουμε τους πίνακες με τις κατάλληλες εγγραφές

**Εμφάνιση των διαχειριστών:**

H συμπλήρωση του βασικού πίνακα γίνεται με την χρήση της μεθόδου selectAll(). Σε αυτή την μέθοδο εκτελείται το ακόλουθο query:

ResultSet rs = stmt.executeQuery("SELECT wrk\_AT,wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code, " +

"it\_password,it\_start\_date,it\_end\_date,Insert\_priv FROM worker " +

"INNER JOIN it\_admin ON it\_at = wrk\_AT " +

"INNER JOIN mysql.db ON wrk\_lname = User");

Έτσι μπορούμε να δούμε όλα τα γνωρίσματα ενός it\_admin τα οποία λαμβάνουμε από τους πίνακες it\_admin, worker και mysql.db (για τα δικαιώματα του χρήστη).

**Κουμπί Insert:**

Το πάτημα αυτού του κουμπιού καλεί την μέθοδο insertItAdmin().

**insertItAdmin() και insertItAdminDefPass():**

Σκοπός της μεθόδου είναι να προσθέσει έναν νέο διαχειριστή πληροφορική στην βάση. Αρχικά συμπληρώνουμε τα πεδία κειμένου του παραθύρου μας με τις ζητούμενες πληροφορίες και επιλέγουμε το branch στο οποίο θα εισαχθεί και το είδος των δικαιωμάτων που θα έχει. Έπειτα καλείται η μέθοδος createUser(), η οποία εκτελεί τις stored procedure create\_user() ή create\_select\_user() ανάλογα με τα Privileges που επιλέξαμε. Αφού δημιουργηθεί ο χρήστης στην βάση με επιτυχία, εισάγουμε μία εγγραφή με τα στοιχεία του στον πίνακα worker και μετά ανάλογα με το αν έχουμε συμπληρώσει το πεδίο password ή όχι, τον εισάγουμε και στον πίνακα it\_admin με τον κωδικό που δόθηκε ή με τον default κωδικό (χρήση της insertItAdminDefPass()). Εαν παρουσιαστεί SQLException στην εκτέλεση των insert, διαγράφουμε τον χρήστη από τον πίνακα mysql.db και κάνουμε drop user.

**Κουμπί Insert:**

Το πάτημα αυτού του κουμπιού καλεί την μέθοδο deleteItAdmin().

**deleteItAdmin():**

Με αυτή την μέθοδο διαγράφεται ένας it\_admin. Αρχικά διαβάζουμε τις τιμές που χρειάζονται για την διαγραφή (Lastname, AT) από τα κατάλληλα πεδία. Για να γραφτούν σε αυτά τα πεδία οι τιμές πρέπει να πατήσουμε την εγγραφή που θέλουμε να διαγράψουμε στον πίνακα του παραθύρου. Η διαγραφή πραγματοποιείται με την εκτέλεση των παρακάτω queries:

PreparedStatement stmt= conn.prepareStatement("drop user <it\_lname>@localhost");

stmt = conn.prepareStatement("delete from worker WHERE wrk\_AT = <ti\_at>");

stmt = conn.prepareStatement("delete from mysql.db WHERE User = ,<it\_lname>");

Φυσικά κανένας user δεν μπορεί να διαγράψει τον εαυτό του και ένας χρήστης με select privileges δεν μπορεί να διαγράψει, ούτε να εισάγει κάποιον it\_admin αλλα μόνο να τους δει.

**Κουμπί Clear:**

Αδειάζει όλα τα text fields.

**Κλάση BranchInfo:**

Έχει την ακόλουθη οπτική μορφή:

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματα

Στο **BranchInfo** παράθυρο θέλουμε να βάλουμε τις πληροφορίες σε ένα **table** για κάθε υποκατάστημα τα στοιχεία του, το ονοματεπώνυμο του διευθυντή του, το σύνολο κρατήσεων και το σύνολο εσόδων (κράτηση επί κόστος ταξιδιού) και σε ένα άλλο **table** για κάθε υποκατάστημα το όνομα, επώνυμο και μισθό όλων των υπάλληλων του και το συνολικό ποσό μισθών που πληρώνει.

Επομένως φτιάχνουμε τα δύο **tables** με δύο **buttons** δίπλα από το καθένα.Και τα δύο **tables** έχουν ένα **button** **‘’Clear’’** που ‘’καθαρίζει’’ τους πίνακες και ένα **button** **‘’Get branch info’’** και **‘’Get branch employees’’** αντίστοιχα που βάζουνε τις αντίστοιχες πληροφορίες που εξηγήσαμε παραπάνω.

Η μέθοδος **branch\_info()** εκτελεί στην βάση την εντολή **call branch\_info()** την οποία έχουμε εξηγήσει στα **Επιπλέον Procedures** και παίρνει τα αποτελέσματα της βάσης και τα βάζει στο ένα **table**.

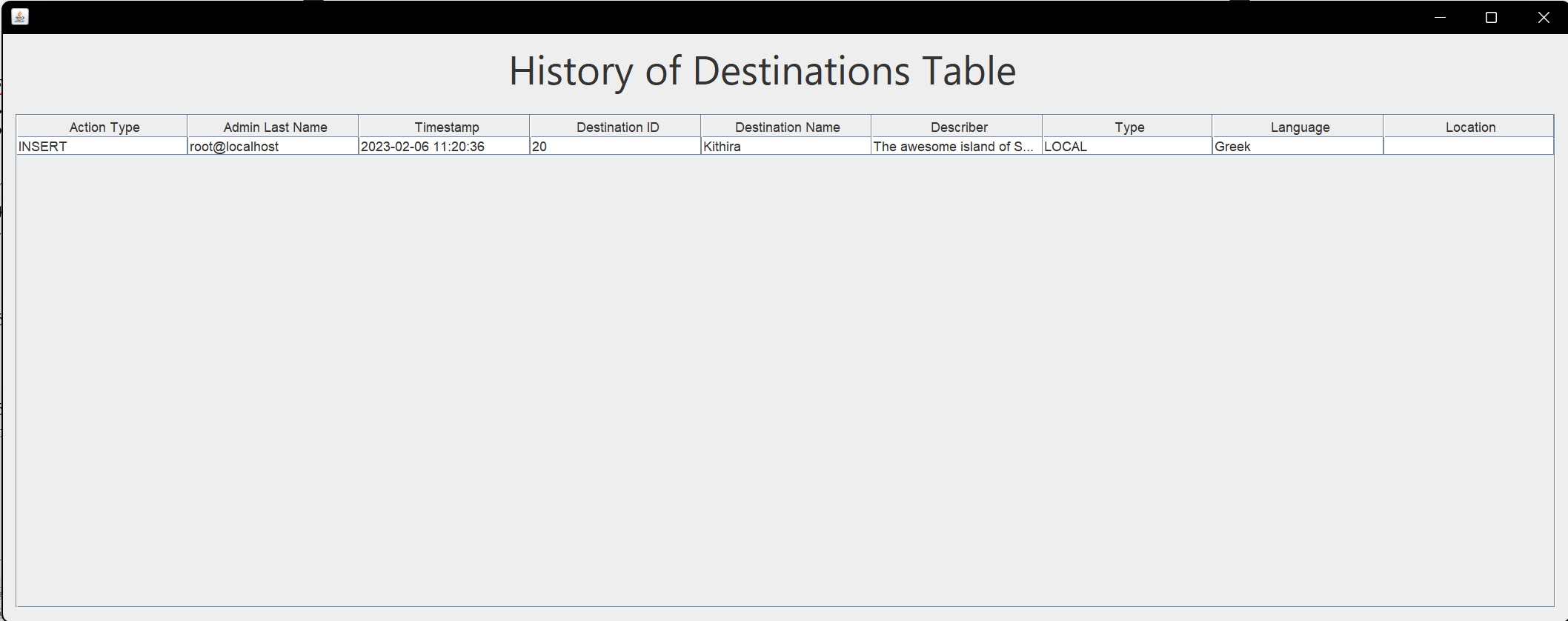
Η μέθοδος **branch\_employees()** εκτελεί στην βάση την εντολή:

SELECT br\_code,wrk\_name,wrk\_lname,wrk\_salary,(SELECT SUM(wrk\_salary) from worker WHERE wrk\_br\_code=br\_code) AS 'Total salaries' FROM worker INNER JOIN branch ON br\_code=wrk\_br\_code;

Η παραπάνω εντολή εμφανίζει τις πληροφορίες που έχουμε εξηγήσει παραπάνω. Έτσι, παίρνουμε τα αποτελέσματα της βάσης και τα βάζουμε στο άλλο table.

**Κλάση Log\_Destination:**

Έχει την ακόλουθη οπτική μορφή:

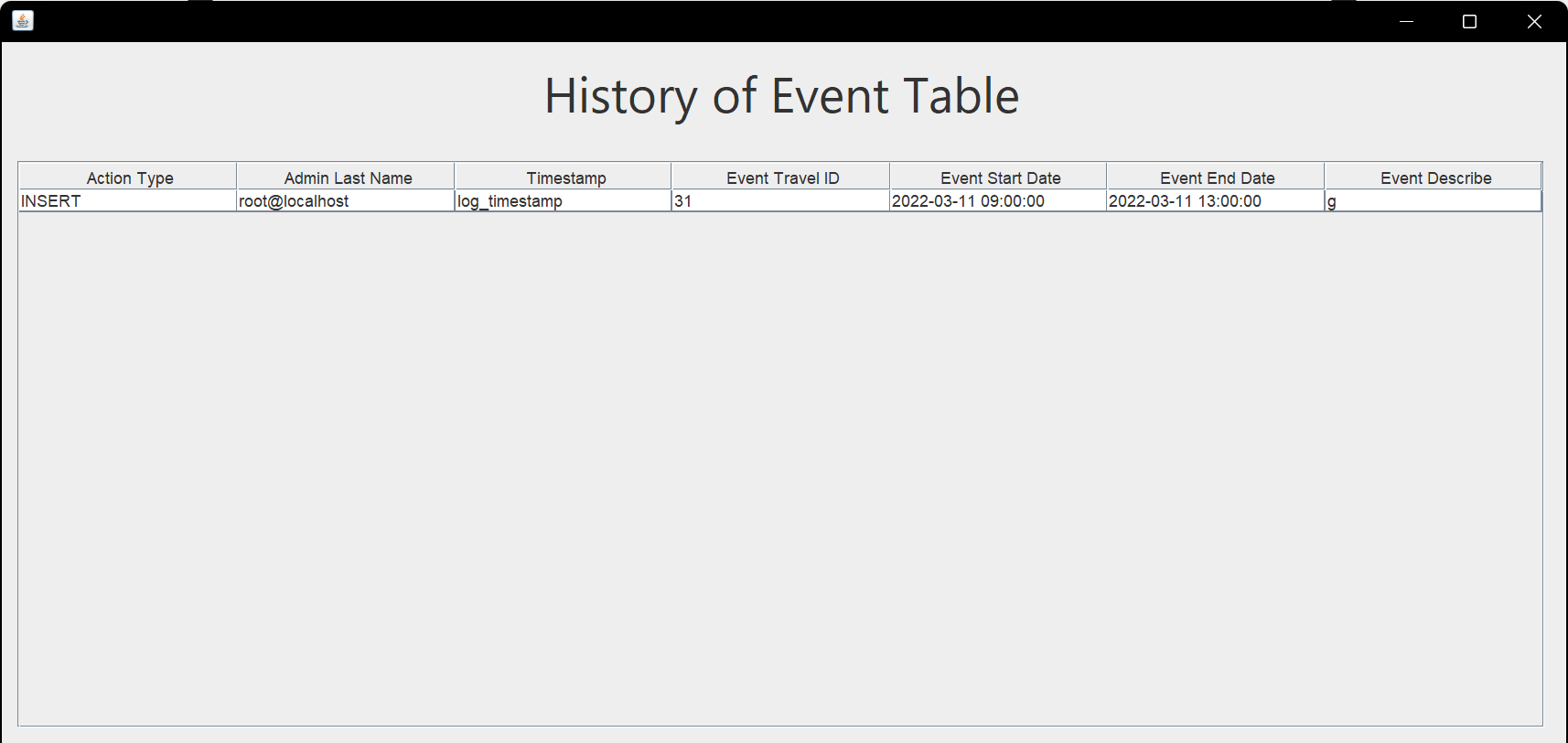


Στο Log\_Destination παράθυρο θέλουμε να βλέπουμε όλες τις πληροφορίες που έχουν καταγραφεί στον πίνακα log\_destination της βάσης μας, ο οποίος περιέχει το είδος της ενέργειας, το επώνυμο Υπευθύνου Πληροφορικής που έκανε την ενέργεια, το timestamp και τις πληροφορίες της παλιάς ή καινούργιας γραμμής του πίνακα destination ανάλογα αν έχουμε κάνει update ή delete και insert αντίστοιχα.

Η μέθοδος table\_load() εκτελεί στην βάση την εντολή SELECT \* FROM log\_destination η οποία εμφανίζει όλες τις πληροφορίες του συγκεκριμένου πίνακα και τις βάζει σε ένα table του παραθύρου.

**Κλάση Log\_Event:**

Έχει την ακόλουθη οπτική μορφή:

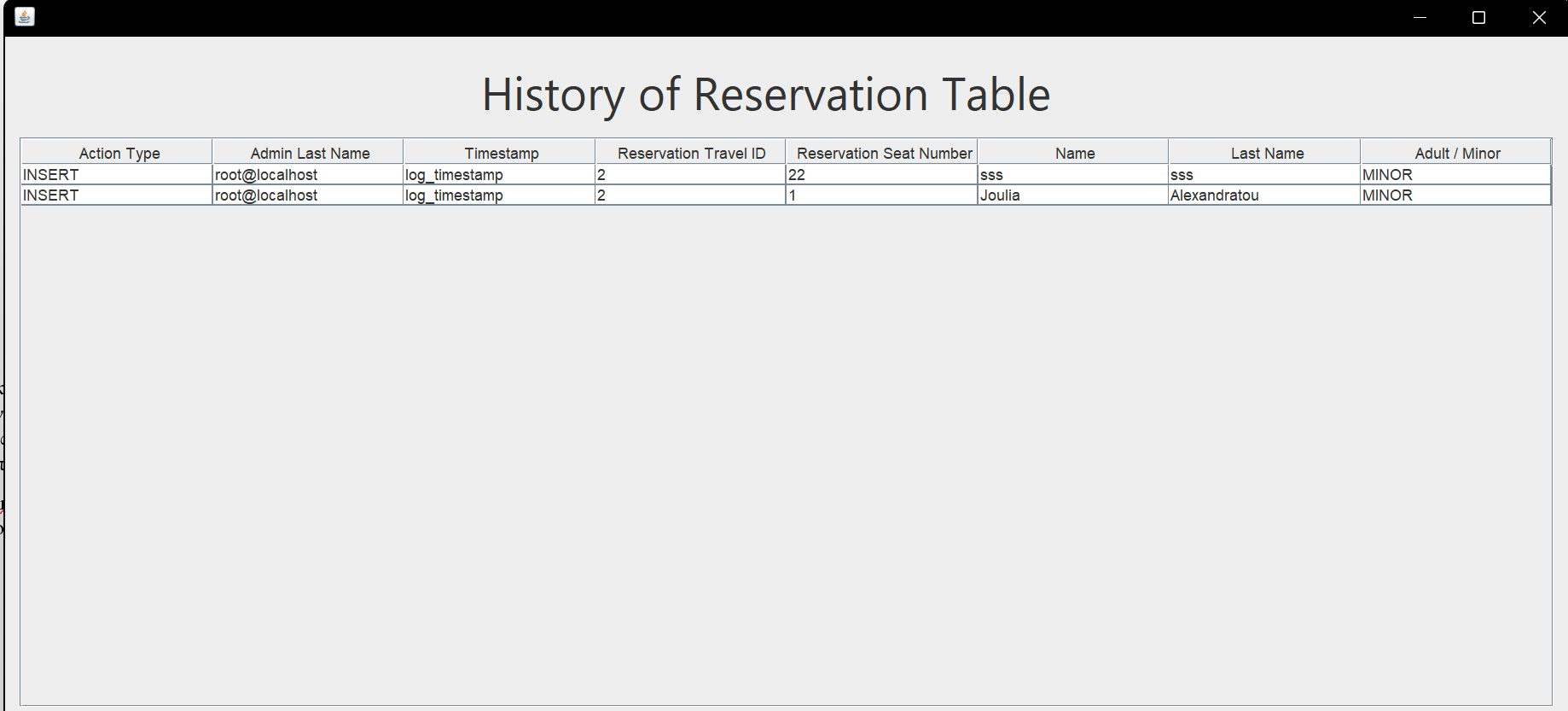


Στο Log\_Event παράθυρο θέλουμε να βλέπουμε όλες τις πληροφορίες που έχουν καταγραφεί στον πίνακα log\_event της βάσης μας, ο οποίος περιέχει το είδος της ενέργειας, το επώνυμο Υπευθύνου Πληροφορικής που έκανε την ενέργεια, το timestamp και τις πληροφορίες της παλιάς ή καινούργιας γραμμής του πίνακα event ανάλογα αν έχουμε κάνει update ή delete και insert αντίστοιχα.

Η μέθοδος table\_load() εκτελεί στην βάση την εντολή SELECT \* FROM log\_event η οποία εμφανίζει όλες τις πληροφορίες του συγκεκριμένου πίνακα και τις βάζει σε ένα table του παραθύρου.

**Κλάση Log\_Reservation:**

Έχει την ακόλουθη οπτική μορφή:

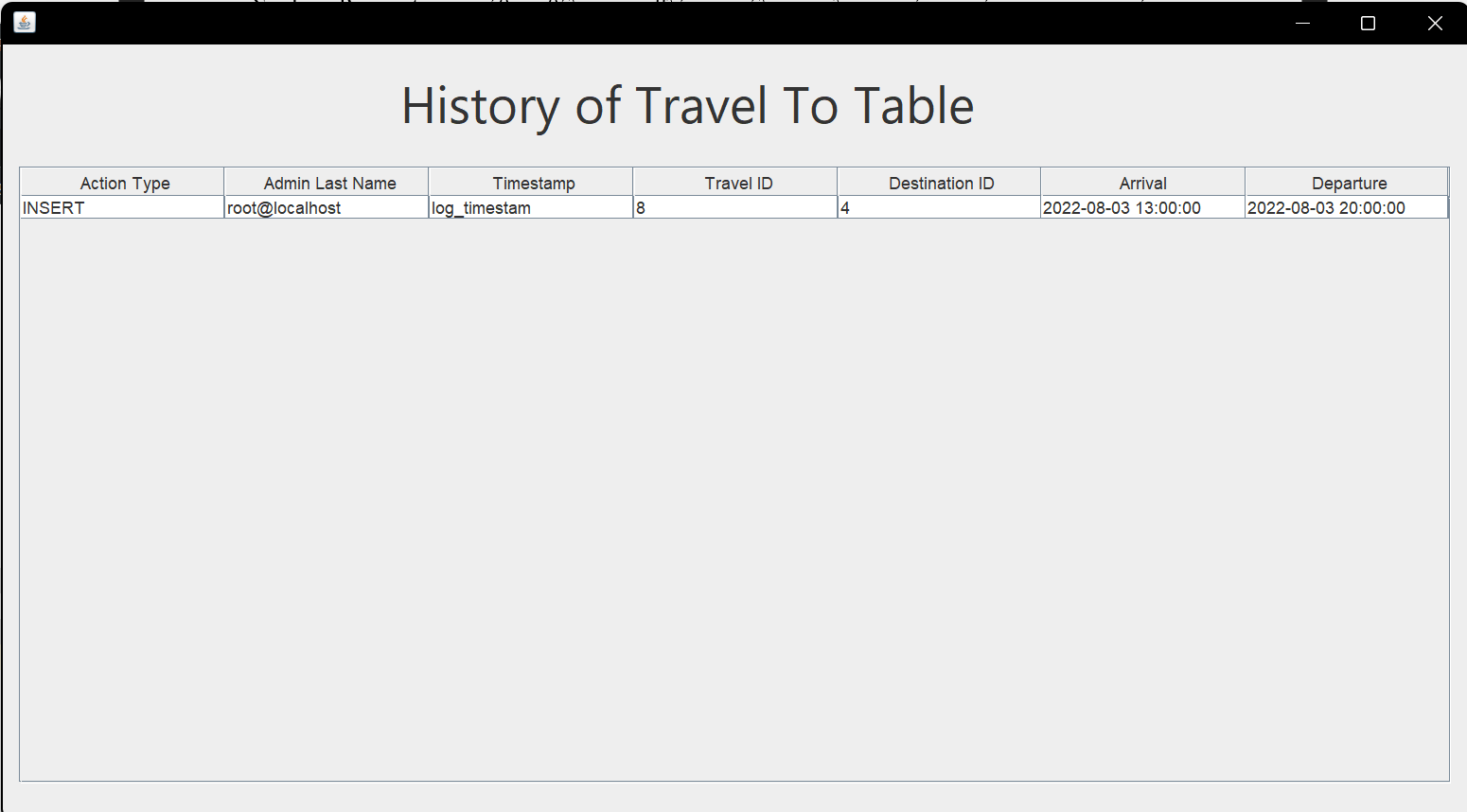


Στο Log\_Reservation παράθυρο θέλουμε να βλέπουμε όλες τις πληροφορίες που έχουν καταγραφεί στον πίνακα log\_reservation της βάσης μας, ο οποίος περιέχει το είδος της ενέργειας, το επώνυμο Υπευθύνου Πληροφορικής που έκανε την ενέργεια, το timestamp και τις πληροφορίες της παλιάς ή καινούργιας γραμμής του πίνακα reservation ανάλογα αν έχουμε κάνει update ή delete και insert αντίστοιχα.

Η μέθοδος table\_load() εκτελεί στην βάση την εντολή SELECT \* FROM log\_reservation η οποία εμφανίζει όλες τις πληροφορίες του συγκεκριμένου πίνακα και τις βάζει σε ένα table του παραθύρου.

**Κλάση Log\_Travel\_To:**

Έχει την ακόλουθη οπτική μορφή:



Στο Log\_Travel\_To παράθυρο θέλουμε να βλέπουμε όλες τις πληροφορίες που έχουν καταγραφεί στον πίνακα log\_travel\_to της βάσης μας, ο οποίος περιέχει το είδος της ενέργειας, το επώνυμο Υπευθύνου Πληροφορικής που έκανε την ενέργεια, το timestamp και τις πληροφορίες της παλιάς ή καινούργιας γραμμής του πίνακα travel\_to ανάλογα αν έχουμε κάνει update ή delete και insert αντίστοιχα.

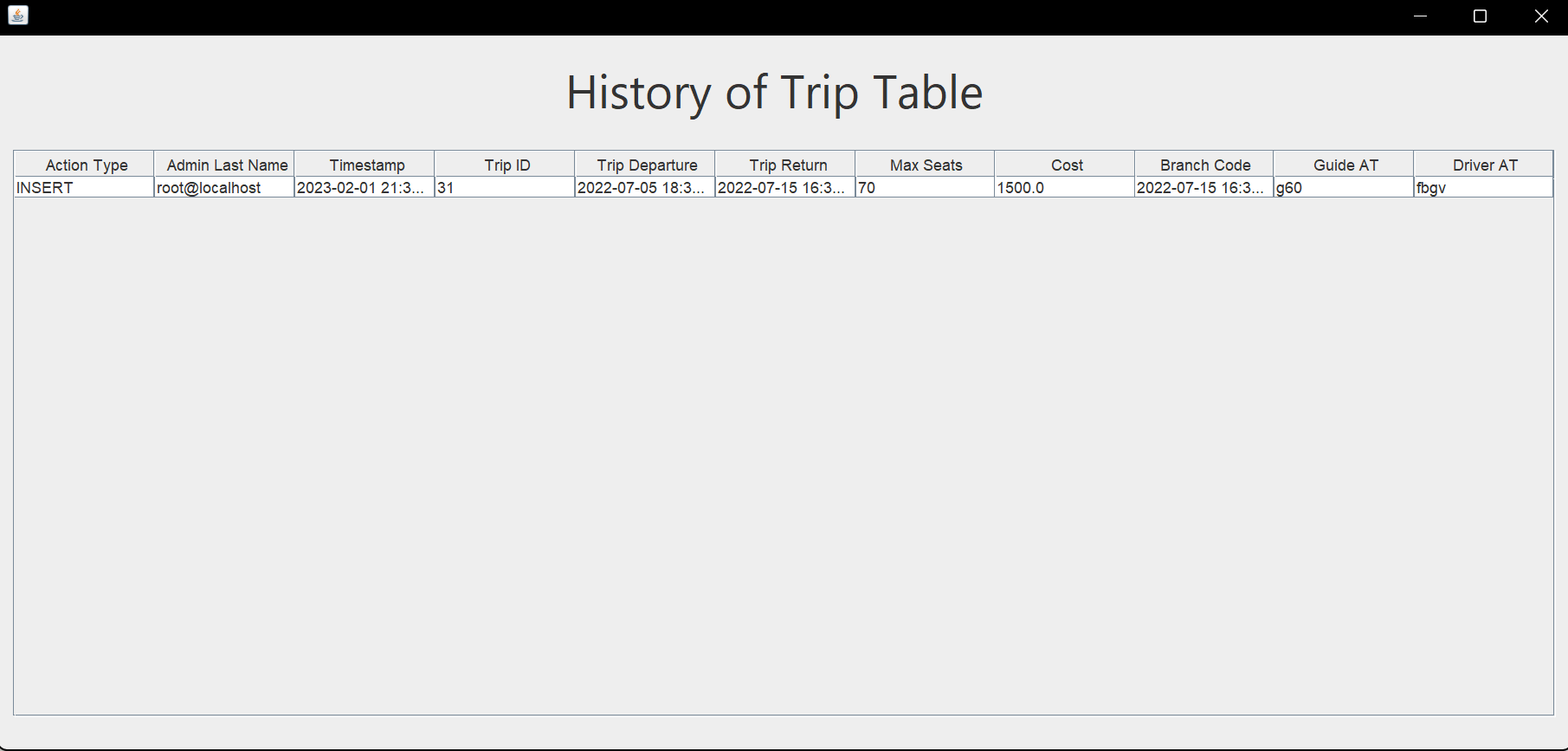
Η μέθοδος table\_load() εκτελεί στην βάση την εντολή:

SELECT log\_type , log\_it\_lname , log\_timestamp  , log\_to\_tr\_id ,log\_to\_dst\_id,log\_to\_arrival,log\_to\_departure FROM log\_travel\_to

Η παραπάνω εντολή εμφανίζει όλες τις πληροφορίες του συγκεκριμένου πίνακα και τις βάζει σε ένα table του παραθύρου.

**Κλάση Log\_Trip:**

Έχει την ακόλουθη οπτική μορφή:



Στο Log\_Trip παράθυρο θέλουμε να βλέπουμε όλες τις πληροφορίες που έχουν καταγραφεί στον πίνακα log\_trip της βάσης μας, ο οποίος περιέχει το είδος της ενέργειας, το επώνυμο Υπευθύνου Πληροφορικής που έκανε την ενέργεια, το timestamp και τις πληροφορίες της παλιάς ή καινούργιας γραμμής του πίνακα trip ανάλογα αν έχουμε κάνει update ή delete και insert αντίστοιχα.

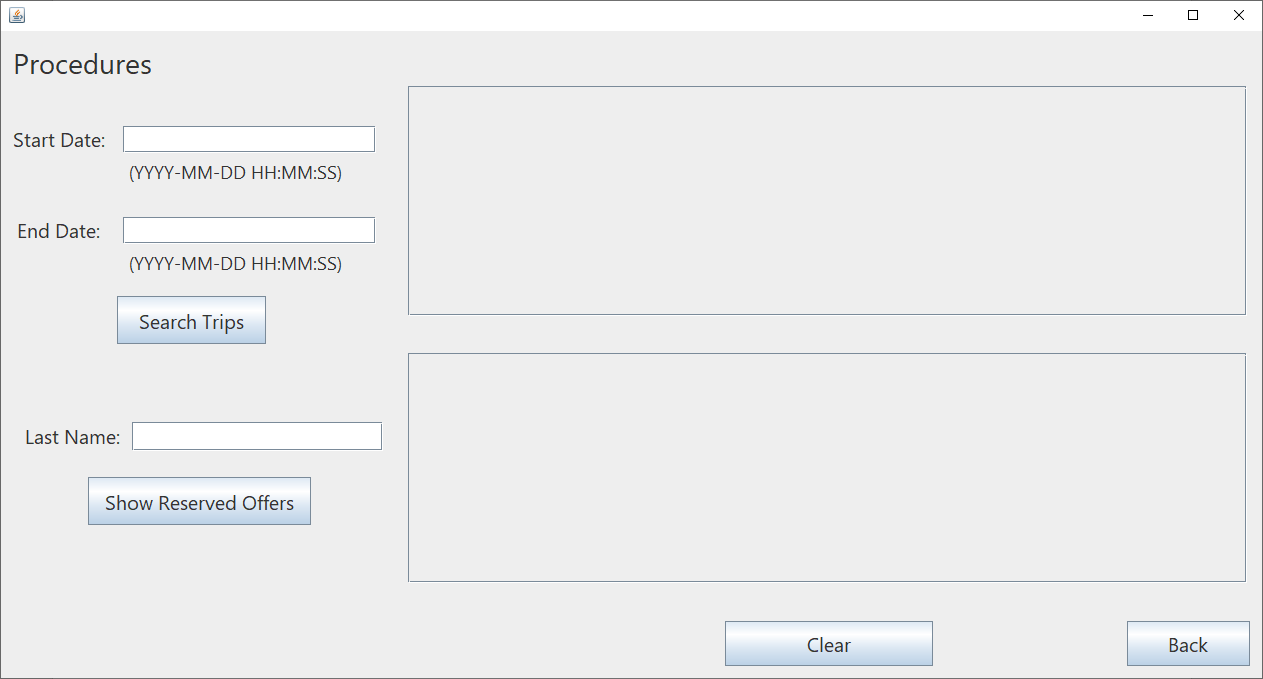
Η μέθοδος table\_load() εκτελεί στην βάση την εντολή:

SELECT log\_type , log\_it\_lname , log\_timestamp  , log\_tr\_id ,log\_tr\_departure,log\_tr\_return,log\_tr\_maxseats,log\_tr\_cost,log\_tr\_br\_code, log\_tr\_gui\_AT ,log\_tr\_drv\_AT FROM log\_trip

Η παραπάνω εντολή εμφανίζει όλες τις πληροφορίες του συγκεκριμένου πίνακα και τις βάζει σε ένα table του παραθύρου.

**Κλάση ProcedureResults:**

Έχει την ακόλουθη οπτική μορφή:



Στο ProcedureResults παράθυρο για κάθε υποκατάστημα και για ένα διάστημα που ορίζει ο Υπεύθυνος Πληροφορικής (ΙΤ), θέλουμε να βάλουμε το κόστος ταξιδιού, τις μέγιστες θέσεις ανά ταξίδι, το σύνολο κρατήσεων (reservation), τις διαθέσιμες κενές θέσεις, το επώνυμο και όνομα οδηγού και ξεναγού, την ημερομηνία αναχώρησης και επιστροφής σε ένα table και για ένα επώνυμο ενός πελάτη που ορίζει και πάλι ο ίδιος, θέλουμε να βάλουμε τα ονόματα και επώνυμα των πελατών με το επώνυμο αυτό και την προσφορά ταξιδιού στην οποία έχει γίνει εγγραφή σε ένα άλλο table. Σε περίπτωση που υπάρχουν πάνω από ένας επιστρέφει και το πλήθος των πελατών με το όνομα αυτό, ανά προσφορά ταξιδιού χρησιμοποιεί και τα δύο tables.

Η μέθοδος call\_search\_trip εκτελεί στην βάση την εντολή call search\_trip() την οποία έχουμε εξηγήσει στο Κεφάλαιο 2 - Stored Procedures στο 3.1.3.2 και παίρνει τα αποτελέσματα της βάσης και τα βάζει στο ένα table.

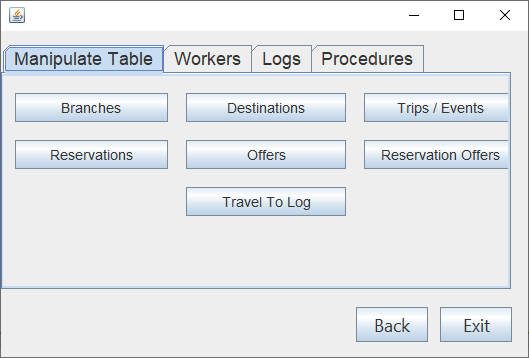
Η μέθοδος res\_names εκτελεί στην βάση την εντολή call res\_names() την οποία έχουμε εξηγήσει στο Κεφάλαιο 2 - Stored Procedures στο 3.1.3.4 στο β) και παίρνει τα αποτελέσματα της βάσης και τα βάζει στο ένα table ή και στα δύο tables ανάλογα με την περίπτωση.

**Σενάριο Χρήσης**

1. Σύνδεση στην βάση ως τον root χρήστη.



1. Υπομονή για ένα λεπτό, ώστε να εκτελεστούν τα insert στον πίνακα reservation\_offers.
2. Μετά από ένα λεπτό περίπου ανοίγει το main menu του προγράμματός μας.



1. Εικόνα που περιέχει πίνακας

   Περιγραφή που δημιουργήθηκε αυτόματαΈστω ότι υπάρχει ένα πρόβλημα σε κάποιες κρατήσεις του ταξιδιού με id=3. Τα μέλη της οικογένειας Μακρή θέλουν να βρίσκονται σε διαδοχικές θέσεις. Πατάμε λοιπόν το κουμπί Reservations.

Βλέπουμε ότι η οικογένεια κάθεται σε διαφορετικές θέσεις.

Για να αλλάξουμε τους αριθμούς των θέσεων τους, πατάμε την κάθε εγγραφή που θέλουμε να αλλάξουμε, εισάγουμε στο πάνω πεδίο Seat Number τις καινούριες θέσεις και πατάμε το κουμπί Update.

Εικόνα που περιέχει πίνακας

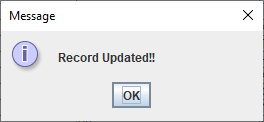
Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΕικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματα

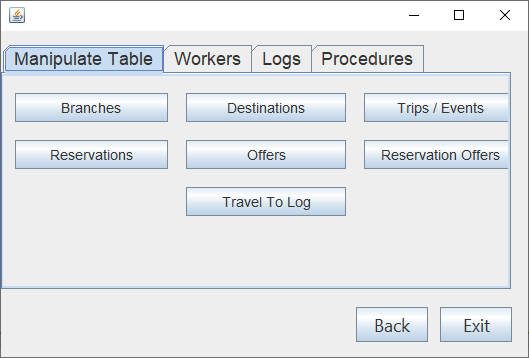
Μετά από κάθε update εμφανίζεται το παρακάτω παράθυρο για επιβεβαίωση της αλλαγής.

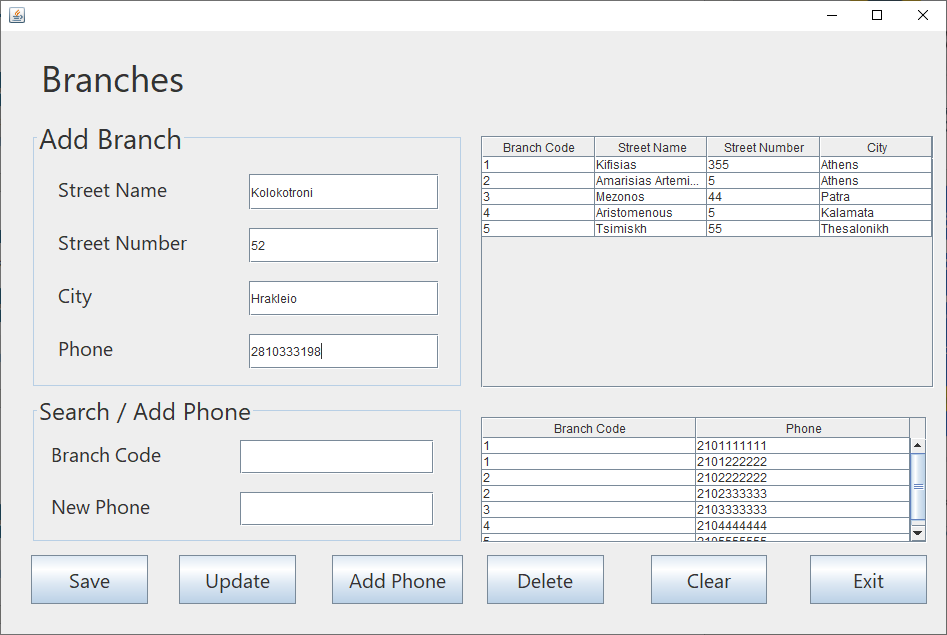


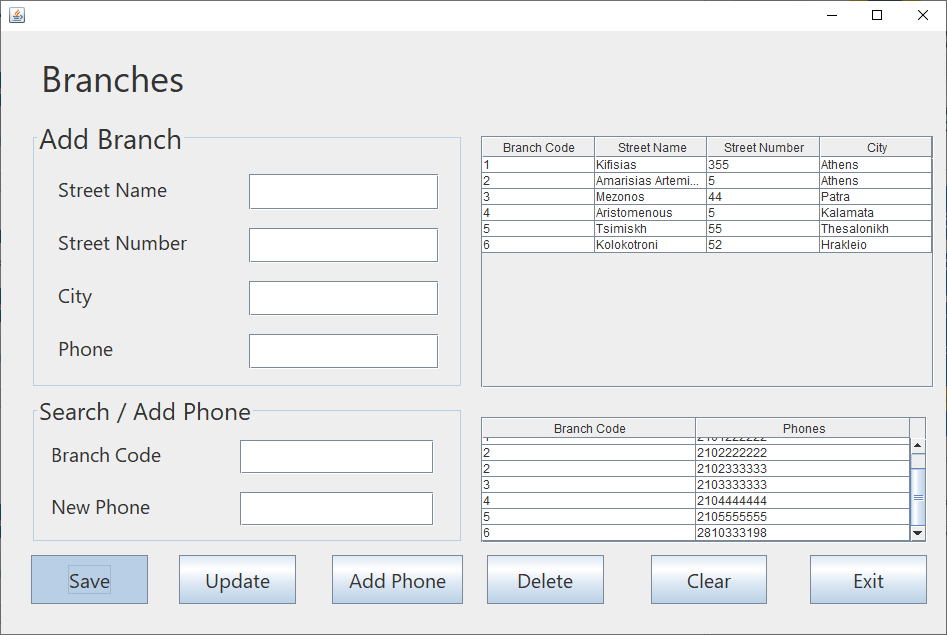
Τελικά μπορούμε να δούμε ότι οι θέσεις των κρατήσεων άλλαξαν.



1. Έστω ότι ανοίγει ένα καινούριο branch και πρέπει να προτεθεί στην βάση. Πατάμε το κουμπί “X” στο πάνω δεξιά μέρος του παραθύρου για να φύγουμε από το παράθυρο των κρατήσεων και επιστρέφουμε στο μενού.

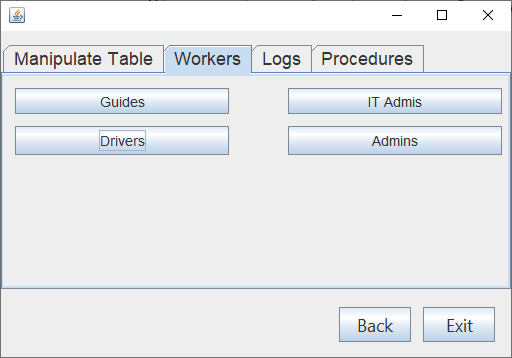


1. Πατάμε το κουμπί Branches.
2. Μπορούμε να δούμε όλα τα υπάρχοντα branches και τα τηλεφωνά τους. Εισάγουμε στα πεδία του Add Branch, τα στοιχείου του νέου branch, που θέλουμε να είναι στο Ηράκλειο και πατάμε Save.



Βλέπουμε ότι προστέθηκε το νέο υποκατάστημα με branch code = 6.

1. Στην συνέχεια μπορούμε να δημιουργήσουμε ένα ταξίδι και να αναθέσουμε έναν οδηγό και ξεναγό σε αυτό. Πρώτα όμως πρέπει να προσθέσουμε έναν οδηγό κα έναν ξεναγό στο υποκατάστημα. Οπότε στο μενού πατάμε την σελίδα Workers.



1. Πατάμε το κουμπί Drivers.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματα

1. Εικόνα που περιέχει πίνακας

   Περιγραφή που δημιουργήθηκε αυτόματαΕδώ μπορούμε να προσθέσουμε έναν νέο οδηγό εισάγοντας τα στοιχεία του, επιλέγοντας το υποκατάστημα στο οποίο θα εργάζεται και πατώντας το κουμπί Save.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΚάνουμε το ίδιο και για να προσθέσουμε έναν guide στο αντίστοιχο παράθυρο.

1. Τώρα λοιπόν πηγαίνουμε στο παράθυρο Trips/Events.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματα

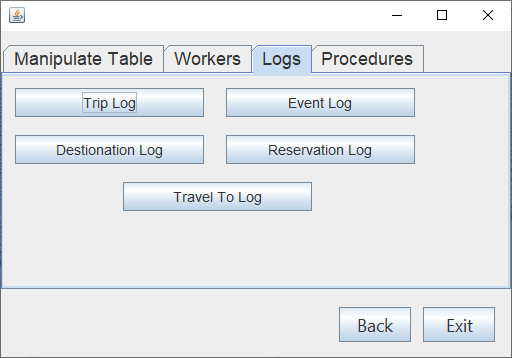
Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΠατώντας το branch 6 εμφανίζονται οι εργαζόμενοι που μόλις προσθέσαμε. Εισάγουμε λοιπόν τα ζητούμενα στοιχεία, επιλέγοντας branch, driver και guide και πατάμε Save.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΒλέπουμε ότι το νέο ταξίδι με trip id = 31 προστέθηκε με επιθυμία.

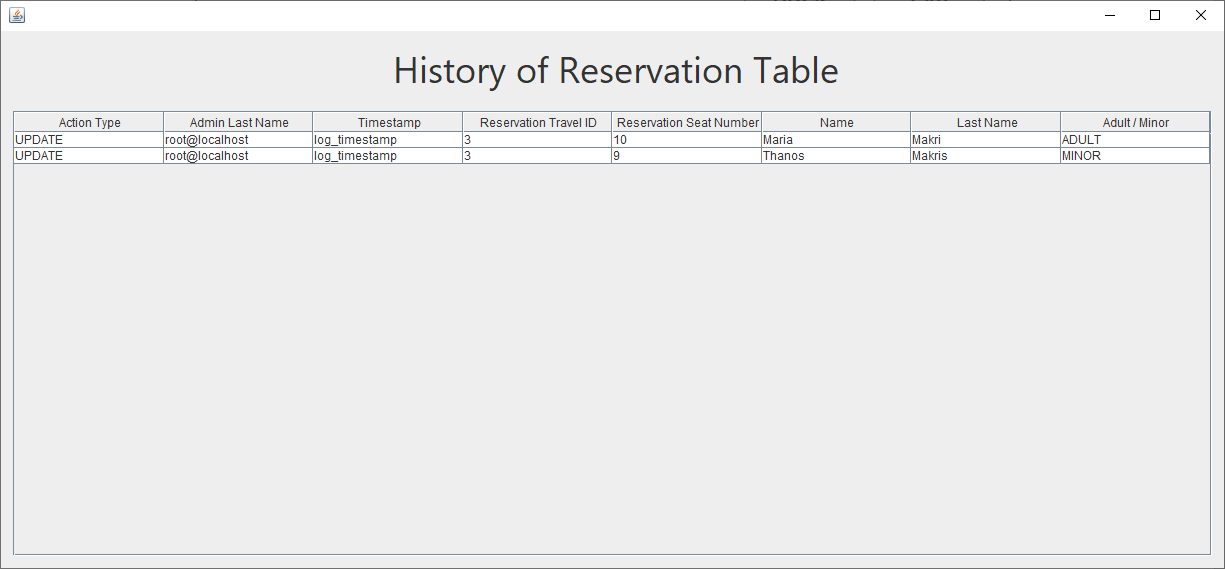
1. Μπορούμε να δούμε την αλλαγή που έχουμε κάνει στον πίνακα Trip Log και Reservation στην σελίδα Logs του μενού μας.



1. Εικόνα που περιέχει κείμενο

   Περιγραφή που δημιουργήθηκε αυτόματαΠατάμε το κουμπί Trip Log.

Βλέπουμε το καινούριο trip που κάναμε insert και το όνομα του χρήστη με το οποίο ήμαστε συνδεδεμένοι.

Αν στην σελίδα Log πατήσουμε το κουμπί Reservation Log θα δούμε τις αλλαγές που κάναμε στις κρατήσεις στην αρχή.

1. Αν θέλαμε να δούμε τις βασικές πληροφορίες για όλα τα branches μπορούμε να μεταβούμε στην σελίδα Procedures του μενού.

Εικόνα που περιέχει κείμενο

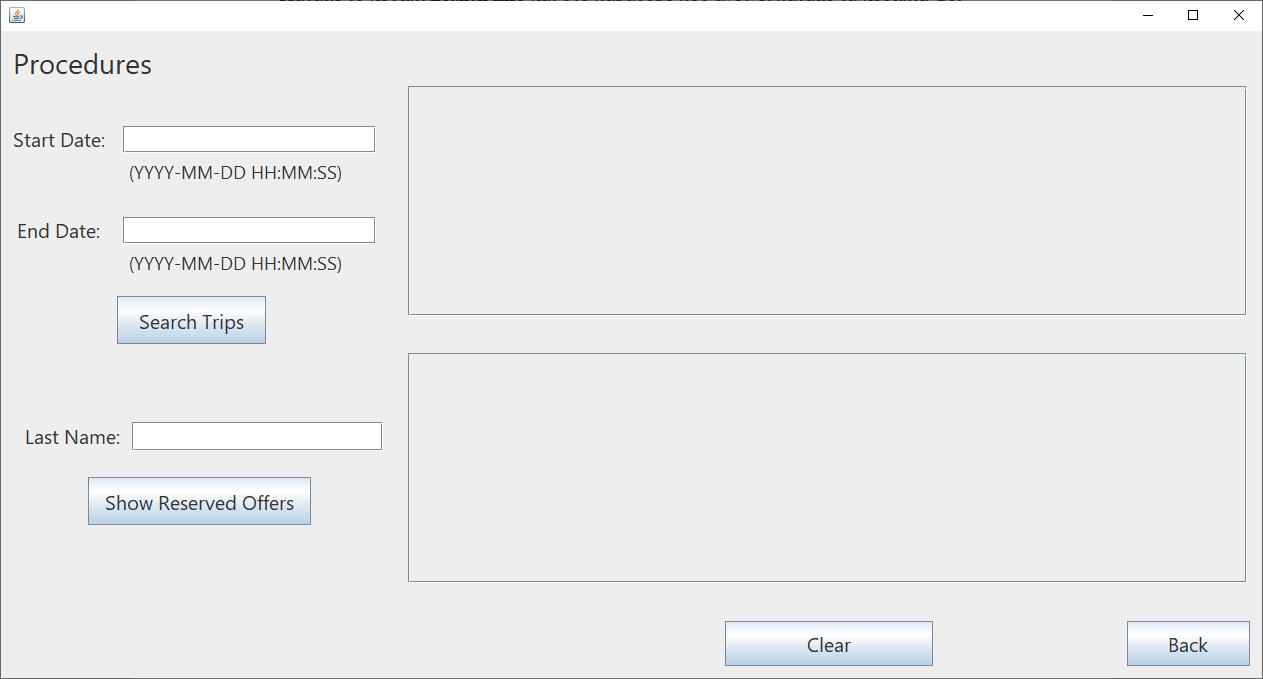
Περιγραφή που δημιουργήθηκε αυτόματα

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΠατάμε το κουμπί Branch Info και στο παράθυρο που ανοίγει πατάμε τα κουμπιά Get branch info και Get branch employees.

Έτσι μπορούμε να δούμε πληροφορίες και τα έσοδα του κάθε υποκαταστήματος και όλους τους εργαζόμενους των υποκαταστημάτων μαζί με τους μισθούς τους.

1. Για να δούμε το σύνολο των ταξιδιών σε ένα διάστημα ημερομηνιών και τις κρατήσεις προσφορών για τους πελάτες με το ίδιο επώνυμο μπορούμε να πατήσουμε τα κουμπιά Trips In Date Range ή Reserved Offers.

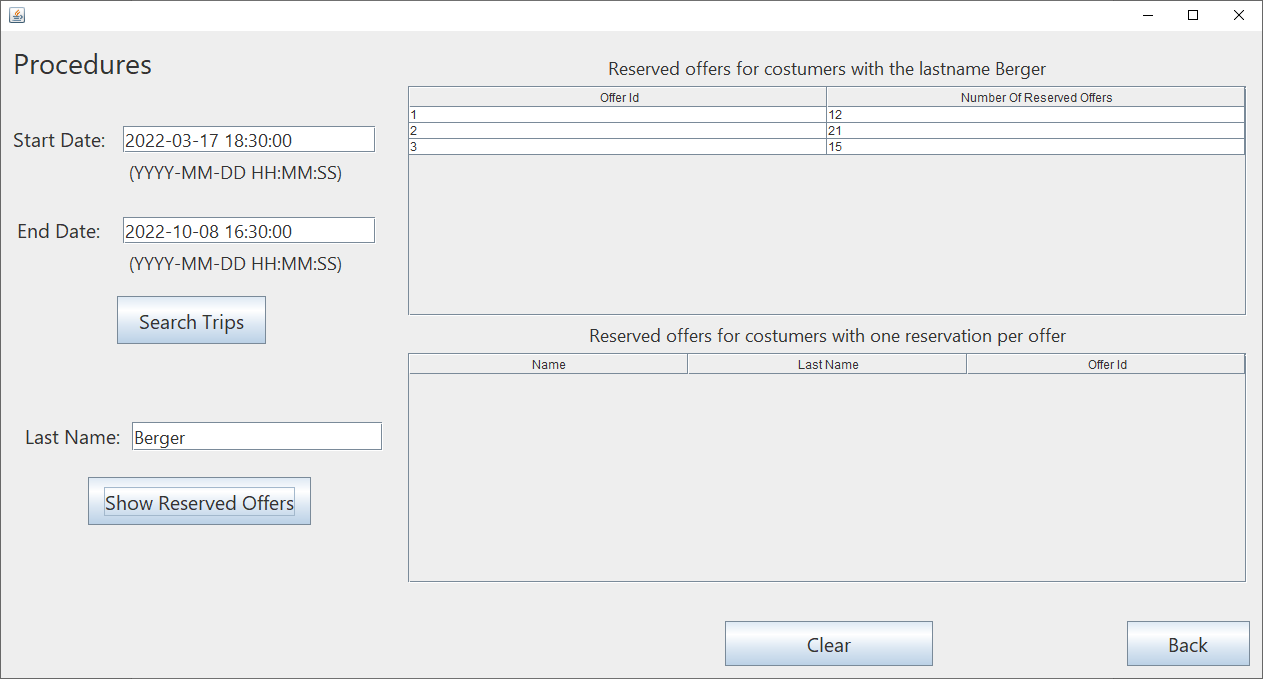


Εισάγουμε ένα διάστημα ημερομηνιών έστω από 2022-03-17 18:30:00 μέχρι 2022-10-08 16:30:00.Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματα

Βλέπουμε τα ταξίδια που θέλουμε στον πάνω πίνακα.

Εισάγουμε το επώνυμο ενός πελάτη στο πεδίο Last Name.



Βλέπουμε το σύνολο των κρατήσεων σε κάθε offer από άτομα με το επώνυμο που Berger, στον πάνω πίνακα. Ο κάτω πίνακας παραμένει άδειος επειδή δεν υπάρχουν offers με μόνο μία κράτηση από άτομο με αυτό το επώνυμο.

1. Εικόνα που περιέχει πίνακας

   Περιγραφή που δημιουργήθηκε αυτόματαΈστω ότι θέλουμε να δημιουργήσουμε έναν it\_admin, με δικαιώματα προβολής μόνο. Πρέπει να μεταβούμε στην σελίδα Workers του μενού και να πατήσουμε το κουμπί It Admins.

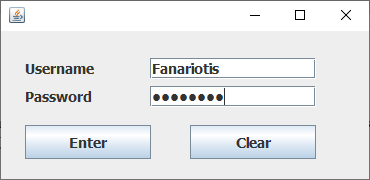
Ανοίγει το παραπάνω παράθυρο στο οποίο μπορούμε να προσθέσουμε έναν it\_admin και στο τέλος να επιλέξουμε select privileges και να πατήσουμε Insert.

Εικόνα που περιέχει πίνακας

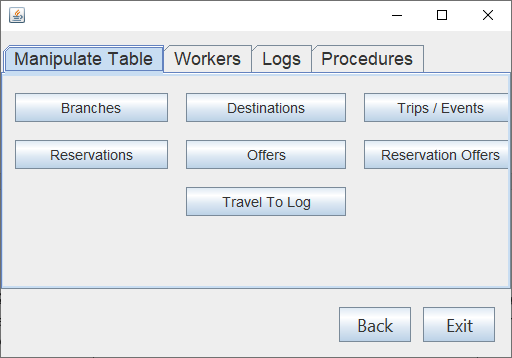
Περιγραφή που δημιουργήθηκε αυτόματα

Βλέπουμε ότι ο εργαζόμενος προστέθηκε με επιτυχία.

1. Τώρα πατάμε Back για να μεταβούμε στο μενού και όταν βρισκόμαστε εκεί πατάμε πάλι Back για να ανοίξει το παράθυρο login. Εκεί εισάγουμε το useraname και password του νέου it\_admin.



1. Ας προσπαθήσουμε να διαγράψουμε μια κράτηση στον πίνακα reservation.



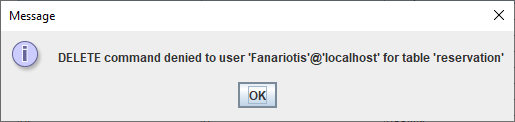
Πατάμε το κουμπί Reservations.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΒλέπουμε ότι ο πίνακας με της κρατήσεις φαίνεται κανονικά.

Εικόνα που περιέχει πίνακας

Περιγραφή που δημιουργήθηκε αυτόματαΑν επιλέξουμε όμως μία γραμμή και πατήσουμε Delete.



Η διαγραφή εμποδίζεται.

# **GUI Κώδικας**

**AdminWorker**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class AdminWorker extends javax.swing.JFrame {

public AdminWorker() throws SQLException {

initComponents();

table\_load();

table\_load\_Branches();

}

PreparedStatement pst;

CallableStatement cs;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT wrk\_AT , wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code,adm\_type,adm\_diploma FROM worker INNER JOIN manages ON mng\_adm\_AT = wrk\_AT INNER JOIN admin ON adm\_AT = wrk\_AT";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String at = rs.getString("wrk\_AT");

String name = rs.getString("wrk\_name");

String laname = rs.getString("wrk\_lname");

String salary = String.valueOf(rs.getFloat("wrk\_salary"));

String br\_code = String.valueOf(rs.getInt("wrk\_br\_code"));

String type = rs.getString("adm\_type");

String diploma = rs.getString("adm\_diploma");

String tbData[] = {at , name, laname , salary , br\_code , diploma , type };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load\_Branches() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code FROM branch";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br = rs.getString("br\_code");

String tbData[] = {br};

DefaultTableModel tblModel = (DefaultTableModel)jTable4.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel2 = new javax.swing.JLabel();

buttonGroup1 = new javax.swing.ButtonGroup();

jToggleButton1 = new javax.swing.JToggleButton();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable3 = new javax.swing.JTable();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

LastNameField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

SalaryField = new javax.swing.JTextField();

NameField = new javax.swing.JTextField();

IdField = new javax.swing.JTextField();

BranchField = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

RoleBox = new javax.swing.JComboBox<>();

DiplomaField = new javax.swing.JTextField();

SaveButton = new javax.swing.JButton();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

SearchField = new javax.swing.JTextField();

DeleteButton = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jScrollPane3 = new javax.swing.JScrollPane();

jTable4 = new javax.swing.JTable();

jLabel2.setText("jLabel2");

jToggleButton1.setText("jToggleButton1");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jTable3.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane2.setViewportView(jTable3);

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Admin Worker");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Worker", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Name");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Last Name");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("ID Number");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Salary");

LastNameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LastNameFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Branch Code");

SalaryField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SalaryFieldActionPerformed(evt);

}

});

IdField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

IdFieldActionPerformed(evt);

}

});

BranchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

BranchFieldActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel9.setText("Diploma");

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel11.setText("Role");

RoleBox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "LOGISTICS", "ADMINISTRATIVE", "ACCOUNTING" }));

RoleBox.setSelectedItem(jTable2);

RoleBox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

RoleBoxActionPerformed(evt);

}

});

DiplomaField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DiplomaFieldActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(25, 25, 25)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(NameField)

.addComponent(IdField)

.addComponent(SalaryField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(BranchField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(DiplomaField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(RoleBox, javax.swing.GroupLayout.Alignment.TRAILING, 0, 350, Short.MAX\_VALUE)

.addComponent(LastNameField))

.addGap(31, 31, 31))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(NameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(LastNameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(IdField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(SalaryField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(BranchField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

.addComponent(DiplomaField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(RoleBox, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel11))

.addContainerGap(16, Short.MAX\_VALUE))

);

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 27)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("ID Number");

SearchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchFieldActionPerformed(evt);

}

});

SearchField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(26, 26, 26)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 368, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(21, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Worker AT", "Name", "Last Name", "Salary", "Branch Code", "Diploma", "Admin Type"

}

) {

Class[] types = new Class [] {

java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.Object.class, java.lang.String.class

};

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false

};

public Class getColumnClass(int columnIndex) {

return types [columnIndex];

}

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable2);

jTable4.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTable4.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branches"

}

) {

boolean[] canEdit = new boolean [] {

false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable4.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable4MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable4);

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 140, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 66, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1)))

.addGap(26, 26, 26))

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 562, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addContainerGap(15, Short.MAX\_VALUE)

.addComponent(jLabel1)

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT\_SIZE, 407, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))

.addComponent(jPanel3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(33, 33, 33)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SaveButton, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(20, 20, 20))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 1314, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String name , lname , id , salary , brcode ,diploma , role ;

name = NameField.getText();

lname =LastNameField.getText();

id = IdField.getText();

salary = SalaryField.getText();

brcode = BranchField.getText();

diploma = DiplomaField.getText();

role = RoleBox.getSelectedItem().toString();

try{

pst= conn.prepareStatement("insert into worker(wrk\_AT,wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code)values(?,?,?,?,?)");

pst.setString(1,id);

pst.setString(2,name);

pst.setString(3,lname);

pst.setString(4,salary);

pst.setString(5,brcode);

pst.executeUpdate();

pst= conn.prepareStatement("insert into admin (adm\_AT,adm\_type,adm\_diploma)values(?,?,?)");

pst.setString(1,id);

pst.setString(2,role);

pst.setString(3,diploma);

pst.executeUpdate();

pst= conn.prepareStatement("insert into manages (mng\_adm\_AT,mng\_br\_code)values(?,?)");

pst.setString(1,id);

pst.setString(2,brcode);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Admin Type","Diploma"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

DiplomaField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

DiplomaField.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void SearchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchFieldActionPerformed

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

IdField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

NameField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

LastNameField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

SalaryField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

BranchField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

DiplomaField.setText(model.getValueAt(selectedRowIndex ,5).toString());

String combosub = model.getValueAt(selectedRowIndex ,6).toString();

for (int i = 0 ; i < RoleBox.getItemCount(); i++){

if(RoleBox.getItemAt(i).toString().equalsIgnoreCase(combosub)){

RoleBox.setSelectedIndex(i);

}

}

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String name , lname , id , salary , brcode ,srid ,diploma ,role;

name = NameField.getText();

lname =LastNameField.getText();

id = IdField.getText();

salary = SalaryField.getText();

brcode = BranchField.getText();

srid = SearchField.getText();

diploma = DiplomaField.getText();

role = RoleBox.getSelectedItem().toString();

try{

pst= conn.prepareStatement("update worker set wrk\_AT=? ,wrk\_name=? ,wrk\_lname=? ,wrk\_salary=?, wrk\_br\_code=? WHERE wrk\_AT =?");

pst.setString(1,id);

pst.setString(2,name);

pst.setString(3,lname);

pst.setString(4,salary);

pst.setString(5,brcode);

pst.setString(6,srid);

pst.executeUpdate();

pst= conn.prepareStatement("update admin set adm\_type =? ,adm\_diploma = ? WHERE adm\_AT =?");

pst.setString(1,role);

pst.setString(2,diploma);

pst.setString(3,srid);

pst.executeUpdate();

pst= conn.prepareStatement("update manages set mng\_br\_code = ? WHERE mng\_adm\_AT =?");

pst.setString(1,brcode);

pst.setString(2,srid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Update!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Admin Type","Diploma"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

DiplomaField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void jTable4MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable4MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable4.getModel();

int selectedRowIndex = jTable4.getSelectedRow();

BranchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable4MouseClicked

private void SearchFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchFieldKeyReleased

try{

String wrk\_AT = SearchField.getText();

pst = conn.prepareStatement("SELECT wrk\_AT , wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code,adm\_type,adm\_diploma FROM worker INNER JOIN manages ON mng\_adm\_AT = wrk\_AT INNER JOIN admin ON adm\_AT = wrk\_AT WHERE wrk\_AT = ?");

pst.setString(1 , wrk\_AT);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String AT = rs.getString(1);

String name = rs.getString(2);

String lname = rs.getString(3);

String salary = rs.getString(4);

String code = rs.getString(5);

String type = rs.getString(6);

String diploma = rs.getString(7);

NameField.setText(name);

LastNameField.setText(lname);

IdField.setText(AT);

SalaryField.setText(salary);

BranchField.setText(code);

DiplomaField.setText(diploma);

for (int i = 0 ; i < RoleBox.getItemCount(); i++){

if(RoleBox.getItemAt(i).toString().equalsIgnoreCase(type)){

RoleBox.setSelectedIndex(i);

}

}

}else{

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

DiplomaField.setText("");

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchFieldKeyReleased

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String name , lname;

name = NameField.getText();

lname = LastNameField.getText();

try{

cs= conn.prepareCall("{ call delete\_worker(?,?) }");

cs.setString(1,name);

cs.setString(2,lname);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Admin Type","Diploma"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

DiplomaField.setText("");

SearchField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void RoleBoxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_RoleBoxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_RoleBoxActionPerformed

private void BranchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_BranchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_BranchFieldActionPerformed

private void IdFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_IdFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_IdFieldActionPerformed

private void SalaryFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SalaryFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SalaryFieldActionPerformed

private void LastNameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LastNameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LastNameFieldActionPerformed

private void DiplomaFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DiplomaFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DiplomaFieldActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(AdminWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(AdminWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(AdminWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(AdminWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new AdminWorker().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(AdminWorker.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JTextField BranchField;

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton;

private javax.swing.JTextField DiplomaField;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField IdField;

private javax.swing.JTextField LastNameField;

private javax.swing.JTextField NameField;

private javax.swing.JComboBox<String> RoleBox;

private javax.swing.JTextField SalaryField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField;

private javax.swing.JButton UpdateButton2;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JTable jTable3;

private javax.swing.JTable jTable4;

private javax.swing.JToggleButton jToggleButton1;

// End of variables declaration//GEN-END:variables

}

**Branches**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Branches extends javax.swing.JFrame {

/\*\*

\* Creates new form Branches

\*/

public Branches() throws SQLException {

initComponents();

table\_load();

table\_load2();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code , br\_street , br\_num , br\_city FROM branch ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br\_code = String.valueOf(rs.getInt("br\_code"));

String br\_street= rs.getString("br\_street");

String br\_num = String.valueOf(rs.getInt("br\_num"));

String br\_city = rs.getString("br\_city");

String tbData[] = {br\_code , br\_street, br\_num , br\_city };

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT ph\_br\_code, ph\_number FROM phones ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br\_code = String.valueOf(rs.getInt("ph\_br\_code"));

String ph\_number = rs.getString("ph\_number");

String tbData[] = {br\_code ,ph\_number};

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel2 = new javax.swing.JLabel();

jLabel3 = new javax.swing.JLabel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

StreetField = new javax.swing.JTextField();

NumberField = new javax.swing.JTextField();

CityField = new javax.swing.JTextField();

PhoneField = new javax.swing.JTextField();

jPanel3 = new javax.swing.JPanel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

SearchField = new javax.swing.JTextField();

NewPhoneField = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

ClearButton = new javax.swing.JToggleButton();

ExitButton = new javax.swing.JToggleButton();

DeleteButton = new javax.swing.JToggleButton();

SaveButton = new javax.swing.JToggleButton();

UpdateButton = new javax.swing.JToggleButton();

AddPhoneButton = new javax.swing.JToggleButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Branches");

jPanel2.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Branch", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 28))); // NOI18N

jLabel2.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel2.setText("Street Name");

jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel3.setText("Phone");

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Street Number");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("City");

StreetField.setToolTipText("");

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel2)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 47, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 119, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(StreetField, javax.swing.GroupLayout.DEFAULT\_SIZE, 190, Short.MAX\_VALUE)

.addComponent(NumberField)

.addComponent(CityField)

.addComponent(PhoneField))

.addGap(19, 19, 19))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap(16, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(StreetField, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(NumberField, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(CityField, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel3)

.addComponent(PhoneField, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(14, 14, 14))

);

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search / Add Phone", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("New Phone");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Branch Code");

SearchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchFieldActionPerformed(evt);

}

});

SearchField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchFieldKeyReleased(evt);

}

});

NewPhoneField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

NewPhoneFieldActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 139, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(NewPhoneField, javax.swing.GroupLayout.PREFERRED\_SIZE, 194, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 139, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(50, 50, 50)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 194, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(24, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(12, 12, 12)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SearchField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE)

.addComponent(jLabel7))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel6)

.addComponent(NewPhoneField, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branch Code", "Street Name", "Street Number", "City"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branch Code", "Phone"

}

) {

boolean[] canEdit = new boolean [] {

false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

UpdateButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

UpdateButton.setText("Update");

UpdateButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButtonActionPerformed(evt);

}

});

AddPhoneButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

AddPhoneButton.setText("Add Phone");

AddPhoneButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

AddPhoneButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 422, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 117, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(31, 31, 31)

.addComponent(UpdateButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 117, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(AddPhoneButton)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 446, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 117, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 116, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(43, 43, 43)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 117, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(7, 7, 7)))

.addContainerGap(12, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 69, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 252, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(UpdateButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(AddPhoneButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 49, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(12, 12, 12))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGap(18, 18, 18))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void NewPhoneFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_NewPhoneFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_NewPhoneFieldActionPerformed

private void SearchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchFieldActionPerformed

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

StreetField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

NumberField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

CityField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

}//GEN-LAST:event\_jTable1MouseClicked

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

NewPhoneField.setText(model.getValueAt(selectedRowIndex ,1).toString());

PhoneField.setText(model.getValueAt(selectedRowIndex ,1).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

SearchField.setText("");

StreetField.setText("");

NumberField.setText("");

CityField.setText("");

NewPhoneField.setText("");

PhoneField.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String srid;

srid = SearchField.getText();

try{

pst= conn.prepareStatement("delete from branch WHERE br\_code =?");

pst.setString(1,srid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Street Name","Street Number","City"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Phones"}));

table\_load();

table\_load2();

SearchField.setText("");

StreetField.setText("");

NumberField.setText("");

CityField.setText("");

NewPhoneField.setText("");

PhoneField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String br\_street , br\_num , br\_city , ph\_number;

br\_street= StreetField.getText();

br\_num = NumberField.getText();

br\_city = CityField.getText();

ph\_number = PhoneField.getText();

String br\_code = null;

try{

pst= conn.prepareStatement("insert into branch(br\_street,br\_num,br\_city)values(?,?,?)");

pst.setString(1, br\_street);

pst.setString(2, br\_num);

pst.setString(3,br\_city);

pst.executeUpdate();

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code FROM branch ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

br\_code = String.valueOf(rs.getInt("br\_code"));

}

pst= conn.prepareStatement("insert into phones (ph\_br\_code,ph\_number)values(?,?)");

pst.setString(1,br\_code);

pst.setString(2,ph\_number);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Street Name","Street Number","City"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Phones"}));

table\_load();

table\_load2();

SearchField.setText("");

StreetField.setText("");

NumberField.setText("");

CityField.setText("");

NewPhoneField.setText("");

PhoneField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void UpdateButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButtonActionPerformed

String br\_street , br\_num , br\_city , ph\_number ,sear , search\_phone;

br\_street= StreetField.getText();

br\_num = NumberField.getText();

br\_city = CityField.getText();

sear = SearchField.getText();

ph\_number = PhoneField.getText();

search\_phone = NewPhoneField.getText();

try{

pst= conn.prepareStatement("update branch set br\_street = ? , br\_num = ? , br\_city = ? WHERE br\_code =?");

pst.setString(1,br\_street);

pst.setString(2,br\_num);

pst.setString(3,br\_city);

pst.setString(4,sear);

pst.executeUpdate();

pst= conn.prepareStatement("update phones set ph\_number=? WHERE ph\_br\_code =? AND ph\_number=?");

pst.setString(1,ph\_number);

pst.setString(2,sear);

pst.setString(3,search\_phone);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Update!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Street Name","Street Number","City"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Phones"}));

table\_load();

table\_load2();

SearchField.setText("");

StreetField.setText("");

NumberField.setText("");

CityField.setText("");

NewPhoneField.setText("");

PhoneField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButtonActionPerformed

private void SearchFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchFieldKeyReleased

try{

String br\_code = SearchField.getText();

pst = conn.prepareStatement("SELECT br\_code , br\_street , br\_num , br\_city ,ph\_number FROM branch INNER JOIN phones ON br\_code = ph\_br\_code WHERE br\_code = ?");

pst.setString(1 , br\_code);

ResultSet rs = pst.executeQuery();

pst = conn.prepareStatement("SELECT br\_code , br\_street , br\_num , br\_city FROM branch WHERE br\_code = ?");

pst.setString(1 , br\_code);

ResultSet rs1 = pst.executeQuery();

if(rs.next() == true )

{

String code = rs.getString(1);

String street = rs.getString(2);

String num = rs.getString(3);

String city = rs.getString(4);

String phone = rs.getString(5);

SearchField.setText(code);

StreetField.setText(street);

NumberField.setText(num);

CityField.setText(city);

PhoneField.setText(phone);

NewPhoneField.setText(phone);

}else if (rs1.next() == true){

String code = rs1.getString(1);

String street = rs1.getString(2);

String num = rs1.getString(3);

String city = rs1.getString(4);

SearchField.setText(code);

StreetField.setText(street);

NumberField.setText(num);

CityField.setText(city);

NewPhoneField.setText("");

PhoneField.setText("");

}else

{

SearchField.setText("");

StreetField.setText("");

NumberField.setText("");

CityField.setText("");

NewPhoneField.setText("");

PhoneField.setText("");

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchFieldKeyReleased

private void AddPhoneButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_AddPhoneButtonActionPerformed

String br\_code, ph\_number;

ph\_number = NewPhoneField.getText();

br\_code = SearchField.getText();

try{

pst= conn.prepareStatement("insert into phones (ph\_br\_code,ph\_number)values(?,?)");

pst.setString(1,br\_code);

pst.setString(2,ph\_number);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Phone Addedd!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Street Name","Street Number","City"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Branch Code", "Phones"}));

table\_load();

table\_load2();

SearchField.setText("");

StreetField.setText("");

NumberField.setText("");

CityField.setText("");

NewPhoneField.setText("");

PhoneField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_AddPhoneButtonActionPerformed

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Branches.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Branches.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Branches.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Branches.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Branches().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Branches.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JToggleButton AddPhoneButton;

private javax.swing.JTextField CityField;

private javax.swing.JToggleButton ClearButton;

private javax.swing.JToggleButton DeleteButton;

private javax.swing.JToggleButton ExitButton;

private javax.swing.JTextField NewPhoneField;

private javax.swing.JTextField NumberField;

private javax.swing.JTextField PhoneField;

private javax.swing.JToggleButton SaveButton;

private javax.swing.JTextField SearchField;

private javax.swing.JTextField StreetField;

private javax.swing.JToggleButton UpdateButton;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

private boolean notNull(ResultSet rs1) {

throw new UnsupportedOperationException("Not supported yet."); // Generated from nbfs://nbhost/SystemFileSystem/Templates/Classes/Code/GeneratedMethodBody

}

}

**BranchInfo**

package classes;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

import static classes.Login.\*;

import static classes.Menu.menu;

public class BranchInfo extends javax.swing.JFrame {

private DefaultTableModel tmodel1;

private DefaultTableModel tmodel2;

public BranchInfo() {

initComponents();

}

private int branch\_info()

{

try{

//create statement object

CallableStatement stmt = conn.prepareCall("{call branch\_info()}");

//execute procedure

stmt.execute();

//process the results

ResultSet rs = stmt.getResultSet();

if(rs == null)

{

return -1;

}

ResultSetMetaData metaData = rs.getMetaData();

int columnCount = metaData.getColumnCount();

//prosthetw tis sthles tou sql pianaka sto TableModel mono gia tin prwti klisi tou procedure

if(tmodel1.getColumnCount() == 0)

{

tmodel1.addColumn("Branch code");

tmodel1.addColumn("Street");

tmodel1.addColumn("Number");

tmodel1.addColumn("City");

tmodel1.addColumn("Admin name");

tmodel1.addColumn("Admin last name");

tmodel1.addColumn("Total of reservations");

tmodel1.addColumn("Income");

}

//prosthetw tis grammes tou pinaka

Object[] row;

while (rs.next())

{

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++)

{

row[i - 1] = rs.getObject(i);

}

tmodel1.addRow(row);

}

while (stmt.getMoreResults())

{

rs = stmt.getResultSet();

while (rs.next())

{

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++)

{

row[i - 1] = rs.getObject(i);

}

tmodel1.addRow(row);

}

}

rs.close();

stmt.close();

return 0;

}

catch (SQLException e)

{

e.printStackTrace();

return 1;

}

}

private int branch\_employees()

{

try{

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery("SELECT br\_code,wrk\_name,wrk\_lname,wrk\_salary,(SELECT SUM(wrk\_salary) from worker WHERE wrk\_br\_code=br\_code) AS 'Total salaries' FROM worker INNER JOIN branch ON br\_code=wrk\_br\_code;");

if(rs == null)

{

return -1;

}

ResultSetMetaData metaData = rs.getMetaData();

int columnCount = metaData.getColumnCount();

//prosthetw tis sthles tou sql pianaka sto TableModel mono gia tin prwti klisi tou procedure

if(tmodel2.getColumnCount() == 0)

{

tmodel2.addColumn("Branch code");

tmodel2.addColumn("Worker name");

tmodel2.addColumn("Worker last name");

tmodel2.addColumn("Worker salary");

tmodel2.addColumn("Total branch salaries");

}

//prosthetw tis grammes tou pinaka

Object[] row;

while (rs.next())

{

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++)

{

row[i - 1] = rs.getObject(i);

}

tmodel2.addRow(row);

}

//close the resources

rs.close();

stmt.close();

return 0; //an den yparxei exception return 0

}

catch (SQLException e)

{

e.printStackTrace();

return 1; //an yparxei exception return 1

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jButton1 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jButton2 = new javax.swing.JButton();

jButton3 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

backButton = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jButton1.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N

jButton1.setText("Get branch info");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{},

{},

{},

{}

},

new String [] {

}

));

jScrollPane1.setViewportView(jTable1);

jButton2.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N

jButton2.setText("Get branch employees");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

jButton3.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N

jButton3.setText("Clear");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jButton4.setFont(new java.awt.Font("Segoe UI", 1, 18)); // NOI18N

jButton4.setText("Clear");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{},

{},

{},

{}

},

new String [] {

}

));

jScrollPane2.setViewportView(jTable2);

backButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

backButton.setText("Back");

backButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

backButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane2)

.addGroup(layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 895, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 123, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createSequentialGroup()

.addGap(16, 16, 16)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 309, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, layout.createSequentialGroup()

.addGap(81, 81, 81)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(39, 39, 39)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(63, 63, 63)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(81, 81, 81)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(39, 39, 39)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 309, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 21, Short.MAX\_VALUE)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

tmodel1 = new DefaultTableModel();

if(branch\_info()==0)

{

jTable1.setModel(tmodel1);

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

// TODO add your handling code here:

tmodel2 = new DefaultTableModel();

if(branch\_employees()==0)

{

jTable2.setModel(tmodel2);

}

}//GEN-LAST:event\_jButton2ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

// TODO add your handling code here:

DefaultTableModel model = new DefaultTableModel();

jTable1.setModel(model);

}//GEN-LAST:event\_jButton3ActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

// TODO add your handling code here:

DefaultTableModel model = new DefaultTableModel();

jTable2.setModel(model);

}//GEN-LAST:event\_jButton4ActionPerformed

private void backButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_backButtonActionPerformed

// TODO add your handling code here:

this.dispose();

menu.requestFocus();

}//GEN-LAST:event\_backButtonActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(BranchInfo.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(BranchInfo.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(BranchInfo.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(BranchInfo.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new BranchInfo().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton backButton;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

}

**Destination**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Destination extends javax.swing.JFrame {

public Destination() throws SQLException {

initComponents();

table\_load();

table\_load2();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT dst\_id , dst\_name ,dst\_dscr ,dst\_rtype,dst\_language,dst\_location FROM destination";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String dst\_id = String.valueOf(rs.getInt("dst\_id"));

String dst\_name= rs.getString("dst\_name");

String dst\_dscr = rs.getString("dst\_dscr");

String dst\_rtype = rs.getString("dst\_rtype");

String dst\_language = rs.getString("dst\_language");

String dst\_location= String.valueOf(rs.getInt("dst\_location"));

String tbData[] = {dst\_id , dst\_name, dst\_dscr , dst\_rtype ,dst\_language,dst\_location};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT dst\_id , dst\_name FROM destination";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String dst\_id= String.valueOf(rs.getInt("dst\_id"));

String dst\_name= rs.getString("dst\_name");

String tbData[] = {dst\_id , dst\_name };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

DiscriptionField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

LanguageField = new javax.swing.JTextField();

NameField = new javax.swing.JTextField();

LocationField = new javax.swing.JTextField();

TypeBox = new javax.swing.JComboBox<>();

jPanel1 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

SearchField = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

DeleteButton1 = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

SaveButton = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Destination");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Destination", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Name");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Discription");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("Type");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Language");

DiscriptionField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DiscriptionFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Location");

LanguageField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LanguageFieldActionPerformed(evt);

}

});

LocationField.setEditable(false);

LocationField.setText("0");

LocationField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LocationFieldActionPerformed(evt);

}

});

TypeBox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "LOCAL", "ABROAD" }));

TypeBox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

TypeBoxActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 88, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(43, 43, 43)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(LocationField)

.addComponent(NameField)

.addComponent(DiscriptionField)

.addComponent(LanguageField)

.addComponent(TypeBox, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(19, 19, 19))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(NameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(DiscriptionField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(TypeBox, javax.swing.GroupLayout.DEFAULT\_SIZE, 33, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(LanguageField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(19, 19, 19)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(LocationField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(16, 16, 16))

);

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("Destination ID");

SearchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchFieldActionPerformed(evt);

}

});

SearchField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addContainerGap(14, Short.MAX\_VALUE)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 134, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 285, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(29, 29, 29))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel10))

.addContainerGap(24, Short.MAX\_VALUE))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Destination ID", "Name", "Discription", "Type", "Language", "Location"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Destination ID", "Name"

}

) {

boolean[] canEdit = new boolean [] {

false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

DeleteButton1.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton1.setText("Delete");

DeleteButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButton1ActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 189, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 964, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(12, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 171, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(SaveButton, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 147, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 143, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(20, 20, 20))))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(33, 33, 33)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 298, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(31, 31, 31)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 100, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(layout.createSequentialGroup()

.addGap(43, 43, 43)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(24, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void DiscriptionFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DiscriptionFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DiscriptionFieldActionPerformed

private void LanguageFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LanguageFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LanguageFieldActionPerformed

private void LocationFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LocationFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LocationFieldActionPerformed

private void TypeBoxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_TypeBoxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_TypeBoxActionPerformed

private void SearchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchFieldActionPerformed

private void SearchFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchFieldKeyReleased

try{

String wrk\_AT = SearchField.getText();

pst = conn.prepareStatement("Select dst\_name ,dst\_dscr ,dst\_rtype,dst\_language,dst\_location FROM destination WHERE dst\_id = ?");

pst.setString(1 , wrk\_AT);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String dst\_name = rs.getString(1);

String dst\_dscr = rs.getString(2);

String dst\_rtype= rs.getString(3);

String dst\_language = rs.getString(4);

String dst\_location = rs.getString(5);

NameField.setText(dst\_name);

DiscriptionField.setText( dst\_dscr);

LanguageField.setText(dst\_language);

LocationField.setText(dst\_location);

for (int i = 0 ; i < TypeBox.getItemCount(); i++){

if(TypeBox.getItemAt(i).equalsIgnoreCase( dst\_rtype)){

TypeBox.setSelectedIndex(i);

}

}

}else{

NameField.setText("");

DiscriptionField.setText("");

LanguageField.setText("");

LocationField.setText("0");

NameField.requestFocus();

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchFieldKeyReleased

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

LocationField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

NameField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

DiscriptionField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

String type = model.getValueAt(selectedRowIndex ,3 ).toString();

LanguageField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

String dst\_location = model.getValueAt(selectedRowIndex ,5 ).toString();

if ("0".equals(dst\_location) ){

LocationField.setText("0");

}else if (!"0".equals(dst\_location)){

LocationField.setText(dst\_location);

}

for (int i = 0 ; i < TypeBox.getItemCount(); i++){

if(TypeBox.getItemAt(i).toString().equalsIgnoreCase( type)){

TypeBox.setSelectedIndex(i);

}

}

}//GEN-LAST:event\_jTable1MouseClicked

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

NameField.setText("");

DiscriptionField.setText("");

LanguageField.setText("");

LocationField.setText("");

SearchField.setText("0");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void DeleteButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButton1ActionPerformed

String search1 ;

search1 = SearchField.getText();

try{

pst= conn.prepareStatement("delete from destination WHERE dst\_id =? ");

pst.setString(1, search1);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Destination ID","Name","Discription","Type","Language","Location"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Destination ID","Name"}));

table\_load();

table\_load2();

NameField.setText("");

DiscriptionField.setText("");

LanguageField.setText("");

LocationField.setText("0");

SearchField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButton1ActionPerformed

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String dst\_name ,dst\_dscr ,dst\_rtype ,dst\_language,dst\_location ,search1;

dst\_name =NameField.getText();

dst\_dscr = DiscriptionField.getText();

dst\_rtype = TypeBox.getSelectedItem().toString();TypeBox.getSelectedItem().toString();

dst\_language= LanguageField.getText();

dst\_location = LocationField.getText();

search1 = SearchField.getText();

try{

if ("0".equals(dst\_location) ){

pst= conn.prepareStatement("update destination set dst\_name=? , dst\_dscr =?, dst\_rtype = ? , dst\_language = ? WHERE dst\_id =?");

pst.setString(1,dst\_name);

pst.setString(2,dst\_dscr);

pst.setString(3,dst\_rtype);

pst.setString(4,dst\_language);

pst.setString(5,search1);

pst.executeUpdate();

}else if (!"0".equals(dst\_location)){

pst= conn.prepareStatement("update destination set dst\_name=? , dst\_dscr =?, dst\_rtype = ? , dst\_language = ? ,dst\_location = ? WHERE dst\_id =?");

pst.setString(1,dst\_name);

pst.setString(2,dst\_dscr);

pst.setString(3,dst\_rtype);

pst.setString(4,dst\_language);

pst.setString(5, dst\_location);

pst.setString(6,search1);

pst.executeUpdate();

}

JOptionPane.showMessageDialog(null , "Record Updated!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Destination ID","Name","Discription","Type","Language","Location"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Destination ID","Name"}));

table\_load();

table\_load2();

NameField.setText("");

DiscriptionField.setText("");

LanguageField.setText("");

LocationField.setText("0");

SearchField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String dst\_name ,dst\_dscr ,dst\_rtype ,dst\_language,dst\_location ;

dst\_name =NameField.getText();

dst\_dscr = DiscriptionField.getText();

dst\_rtype = TypeBox.getSelectedItem().toString();TypeBox.getSelectedItem().toString();

dst\_language= LanguageField.getText();

dst\_location = LocationField.getText();

try{

if ("0".equals(dst\_location) ){

pst= conn.prepareCall("insert into destination (dst\_name,dst\_dscr,dst\_rtype,dst\_language )values(?,?,?,?)");

pst.setString(1,dst\_name);

pst.setString(2,dst\_dscr);

pst.setString(3,dst\_rtype);

pst.setString(4,dst\_language);

pst.executeUpdate();

}else if (!"0".equals(dst\_location)){

pst= conn.prepareCall("insert into destination (dst\_name,dst\_dscr,dst\_rtype,dst\_language ,dst\_location)values(?,?,?,?,?)");

pst.setString(1,dst\_name);

pst.setString(2,dst\_dscr);

pst.setString(3,dst\_rtype);

pst.setString(4,dst\_language);

pst.setString(5,dst\_location);

pst.executeUpdate();

}

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Destination ID","Name","Discription","Type","Language","Location"}));

jTable2.setModel(new DefaultTableModel(null , new String[]{"Destination ID","Name"}));

table\_load();

table\_load2();

NameField.setText("");

DiscriptionField.setText("");

LanguageField.setText("");

LocationField.setText("0");

SearchField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Destination().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Destination.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton1;

private javax.swing.JTextField DiscriptionField;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField LanguageField;

private javax.swing.JTextField LocationField;

private javax.swing.JTextField NameField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField;

private javax.swing.JComboBox<String> TypeBox;

private javax.swing.JButton UpdateButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

}

**DriverWorker**

package classes;

import static classes.Login.\*;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class DriverWorker extends javax.swing.JFrame {

public DriverWorker() throws SQLException {

initComponents();

table\_load();

table\_load\_Branches();

}

PreparedStatement pst;

CallableStatement cs;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT wrk\_AT , wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code,drv\_license, drv\_route ,drv\_experience FROM worker INNER JOIN driver ON drv\_AT = wrk\_AT ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String at = rs.getString("wrk\_AT");

String name = rs.getString("wrk\_name");

String laname = rs.getString("wrk\_lname");

String salary = String.valueOf(rs.getFloat("wrk\_salary"));

String br\_code = String.valueOf(rs.getInt("wrk\_br\_code"));

String license = rs.getString("drv\_license");

String route = rs.getString("drv\_route");

String experience = String.valueOf(rs.getInt("drv\_experience"));

String tbData[] = {at , name, laname , salary , br\_code , license, route ,experience };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load\_Branches() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code FROM branch";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br = rs.getString("br\_code");

String tbData[] = {br};

DefaultTableModel tblModel = (DefaultTableModel)jTable4.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel2 = new javax.swing.JLabel();

buttonGroup1 = new javax.swing.ButtonGroup();

jToggleButton1 = new javax.swing.JToggleButton();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable3 = new javax.swing.JTable();

jScrollPane4 = new javax.swing.JScrollPane();

jTable5 = new javax.swing.JTable();

jScrollPane5 = new javax.swing.JScrollPane();

jTable6 = new javax.swing.JTable();

jScrollPane6 = new javax.swing.JScrollPane();

jTable7 = new javax.swing.JTable();

jScrollPane7 = new javax.swing.JScrollPane();

jTable8 = new javax.swing.JTable();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

LastNameField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

SalaryField = new javax.swing.JTextField();

NameField = new javax.swing.JTextField();

IdField = new javax.swing.JTextField();

BranchField = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel12 = new javax.swing.JLabel();

ExperienceField = new javax.swing.JTextField();

LicenseBox = new javax.swing.JComboBox<>();

RouteBox = new javax.swing.JComboBox<>();

SaveButton = new javax.swing.JButton();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

SearchField = new javax.swing.JTextField();

DeleteButton = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jScrollPane3 = new javax.swing.JScrollPane();

jTable4 = new javax.swing.JTable();

jLabel2.setText("jLabel2");

jToggleButton1.setText("jToggleButton1");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jTable3.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane2.setViewportView(jTable3);

jTable5.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane4.setViewportView(jTable5);

jTable6.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane5.setViewportView(jTable6);

jTable7.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane6.setViewportView(jTable7);

jTable8.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane7.setViewportView(jTable8);

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Driver Worker");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Worker", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Name");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Last Name");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("ID Number");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Salary");

LastNameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LastNameFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Branch Code");

SalaryField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SalaryFieldActionPerformed(evt);

}

});

IdField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

IdFieldActionPerformed(evt);

}

});

BranchField.setEditable(false);

BranchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

BranchFieldActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel9.setText("Driver License");

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel11.setText("Route");

jLabel12.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel12.setText("Experience");

ExperienceField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExperienceFieldActionPerformed(evt);

}

});

LicenseBox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "A", "B", "C", "D" }));

LicenseBox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LicenseBoxActionPerformed(evt);

}

});

RouteBox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "LOCAL", "ABROAD" }));

RouteBox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

RouteBoxActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel12, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(27, 27, 27)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(NameField)

.addComponent(LastNameField)

.addComponent(IdField)

.addComponent(SalaryField)

.addComponent(BranchField)

.addComponent(LicenseBox, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(RouteBox, javax.swing.GroupLayout.Alignment.LEADING, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ExperienceField))

.addGap(19, 19, 19))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(NameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(LastNameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(IdField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(SalaryField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(BranchField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(LicenseBox))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 17, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(RouteBox, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.TRAILING))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(ExperienceField, javax.swing.GroupLayout.PREFERRED\_SIZE, 35, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel12))

.addContainerGap(17, Short.MAX\_VALUE))

);

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 27)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("ID Number");

SearchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchFieldActionPerformed(evt);

}

});

SearchField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(26, 26, 26)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 243, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Worker AT", "Name", "Last Name", "Salary", "Branch Code", "License", "Route", "Experience"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable2);

jTable4.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTable4.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branches"

}

) {

boolean[] canEdit = new boolean [] {

false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable4.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable4MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable4);

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(34, 34, 34)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 562, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 184, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 178, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 178, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 181, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 177, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 62, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 926, javax.swing.GroupLayout.PREFERRED\_SIZE)))))

.addContainerGap(17, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 450, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 450, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(9, 9, 9))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void jTable4MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable4MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable4.getModel();

int selectedRowIndex = jTable4.getSelectedRow();

BranchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable4MouseClicked

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

IdField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

NameField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

LastNameField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

SalaryField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

BranchField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

String Licen= model.getValueAt(selectedRowIndex ,5).toString();

String Route= model.getValueAt(selectedRowIndex ,6).toString();

ExperienceField.setText(model.getValueAt(selectedRowIndex ,7).toString());

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

for (int i = 0 ; i < LicenseBox.getItemCount(); i++){

if(LicenseBox.getItemAt(i).toString().equalsIgnoreCase(Licen)){

LicenseBox.setSelectedIndex(i);

}

}

for (int i = 0 ; i < RouteBox.getItemCount(); i++){

if(RouteBox.getItemAt(i).toString().equalsIgnoreCase(Route)){

RouteBox.setSelectedIndex(i);

}

}

}//GEN-LAST:event\_jTable2MouseClicked

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String name , lname , id , salary , brcode ,srid ,license,route, experience;

name = NameField.getText();

lname =LastNameField.getText();

id = IdField.getText();

salary = SalaryField.getText();

brcode = BranchField.getText();

srid = SearchField.getText();

license = LicenseBox.getSelectedItem().toString();

route = RouteBox.getSelectedItem().toString();

experience = ExperienceField.getText();

try{

pst= conn.prepareStatement("update worker set wrk\_AT=? ,wrk\_name=? ,wrk\_lname=? ,wrk\_salary=?, wrk\_br\_code=? WHERE wrk\_AT =?");

SQLWarning warning = pst.getWarnings();

pst.setString(1,id);

pst.setString(2,name);

pst.setString(3,lname);

pst.setString(4,salary);

pst.setString(5,brcode);

pst.setString(6,srid);

pst.executeUpdate();

pst= conn.prepareStatement("update driver set drv\_license =? , drv\_route= ? ,drv\_experience=? WHERE drv\_AT =?");

pst.setString(1,license);

pst.setString(2,route);

pst.setString(3,experience);

pst.setString(4,srid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Update!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Licensee","Route" ,"Experience"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

ExperienceField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String name , lname;

name = NameField.getText();

lname = LastNameField.getText();

try{

cs= conn.prepareCall("{ call delete\_worker(?,?) }");

cs.setString(1,name);

cs.setString(2,lname);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Licensee","Route" ,"Experience"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

ExperienceField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void SearchFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchFieldKeyReleased

try{

String wrk\_AT = SearchField.getText();

pst = conn.prepareStatement("SELECT wrk\_AT , wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code,drv\_license, drv\_route ,drv\_experience FROM worker INNER JOIN driver ON drv\_AT = wrk\_AT WHERE wrk\_AT = ?");

pst.setString(1 , wrk\_AT);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String AT = rs.getString(1);

String name = rs.getString(2);

String lname = rs.getString(3);

String salary = rs.getString(4);

String code = rs.getString(5);

String license = rs.getString(6);

String route = rs.getString(7);

String experience = rs.getString(8);

NameField.setText(name);

LastNameField.setText(lname);

IdField.setText(AT);

SalaryField.setText(salary);

BranchField.setText(code);

ExperienceField.setText(experience);

for (int i = 0 ; i < LicenseBox.getItemCount(); i++){

if(LicenseBox.getItemAt(i).toString().equalsIgnoreCase( license)){

LicenseBox.setSelectedIndex(i);

}

}

for (int i = 0 ; i < RouteBox.getItemCount(); i++){

if(RouteBox.getItemAt(i).toString().equalsIgnoreCase(route)){

RouteBox.setSelectedIndex(i);

}

}

}else{

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

ExperienceField.setText("");

NameField.requestFocus();

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchFieldKeyReleased

private void SearchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchFieldActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

ExperienceField.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String name , lname , id , salary , brcode ,srid ,license,route, experience;

name = NameField.getText();

lname =LastNameField.getText();

id = IdField.getText();

salary = SalaryField.getText();

license = LicenseBox.getSelectedItem().toString();

route = RouteBox.getSelectedItem().toString();

experience = ExperienceField.getText();

try{

cs= conn.prepareCall("{ call insert\_driver(?,?,?,?,?,?,?)}");

cs.setString(1,id);

cs.setString(2,name);

cs.setString(3,lname);

cs.setString(4,salary);

cs.setString(5,license);

cs.setString(6,route);

cs.setString(7,experience);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Licensee","Route" ,"Experience"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

ExperienceField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void BranchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_BranchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_BranchFieldActionPerformed

private void IdFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_IdFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_IdFieldActionPerformed

private void SalaryFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SalaryFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SalaryFieldActionPerformed

private void LastNameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LastNameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LastNameFieldActionPerformed

private void ExperienceFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExperienceFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_ExperienceFieldActionPerformed

private void LicenseBoxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LicenseBoxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LicenseBoxActionPerformed

private void RouteBoxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_RouteBoxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_RouteBoxActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(DriverWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(DriverWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(DriverWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(DriverWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new DriverWorker().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(DriverWorker.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JTextField BranchField;

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField ExperienceField;

private javax.swing.JTextField IdField;

private javax.swing.JTextField LastNameField;

private javax.swing.JComboBox<String> LicenseBox;

private javax.swing.JTextField NameField;

private javax.swing.JComboBox<String> RouteBox;

private javax.swing.JTextField SalaryField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField;

private javax.swing.JButton UpdateButton2;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel12;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JScrollPane jScrollPane4;

private javax.swing.JScrollPane jScrollPane5;

private javax.swing.JScrollPane jScrollPane6;

private javax.swing.JScrollPane jScrollPane7;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JTable jTable3;

private javax.swing.JTable jTable4;

private javax.swing.JTable jTable5;

private javax.swing.JTable jTable6;

private javax.swing.JTable jTable7;

private javax.swing.JTable jTable8;

private javax.swing.JToggleButton jToggleButton1;

// End of variables declaration//GEN-END:variables

}

**Events**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Events extends javax.swing.JFrame {

public Events() throws SQLException {

initComponents();

table\_load();

table\_load2();

}

PreparedStatement pst;

CallableStatement cs;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT ev\_tr\_id , ev\_start , ev\_end ,ev\_descr FROM event";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String id = rs.getString("ev\_tr\_id");

String start = rs.getString("ev\_start");

String end = rs.getString("ev\_end");

String des = rs.getString("ev\_descr");

String tbData[] = {id , start, end , des };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT tr\_id, tr\_departure , tr\_return ,tr\_br\_code FROM trip";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String tr\_id = rs.getString("tr\_id");

String tr\_departure= rs.getString("tr\_departure");

String tr\_return = rs.getString("tr\_return");

String tr\_br\_code = String.valueOf(rs.getInt("tr\_br\_code"));

String tbData[] = {tr\_id, tr\_departure, tr\_return , tr\_br\_code };

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

EndField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

DiscriberField = new javax.swing.JTextField();

StartField = new javax.swing.JTextField();

CodeField = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jPanel4 = new javax.swing.JPanel();

jLabel13 = new javax.swing.JLabel();

SearchField1 = new javax.swing.JTextField();

SearchField2 = new javax.swing.JTextField();

jLabel14 = new javax.swing.JLabel();

jPanel1 = new javax.swing.JPanel();

SaveButton = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

DeleteButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

ExitButton = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText(" Events");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Trip", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("Event Start");

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel11.setText("Event End");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Discriber");

EndField.setText("YYY-MM-DD HH:MM:SS");

EndField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

EndFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Trip Code");

DiscriberField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DiscriberFieldActionPerformed(evt);

}

});

StartField.setText("YYY-MM-DD HH:MM:SS");

StartField.setToolTipText("");

StartField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

StartFieldActionPerformed(evt);

}

});

CodeField.setEditable(false);

CodeField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

CodeFieldActionPerformed(evt);

}

});

CodeField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

CodeFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel11)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel7, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 106, Short.MAX\_VALUE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(DiscriberField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(StartField, javax.swing.GroupLayout.DEFAULT\_SIZE, 247, Short.MAX\_VALUE)

.addComponent(EndField)

.addComponent(CodeField))

.addContainerGap(16, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(StartField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel11)

.addComponent(EndField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(DiscriberField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(CodeField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addContainerGap(24, Short.MAX\_VALUE))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Departure", "Return", "Branch Code"

}

));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Event Start", "Event End", "Discriber"

}

));

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel13.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel13.setText("ID Number");

SearchField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchField1ActionPerformed(evt);

}

});

SearchField1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchField1KeyReleased(evt);

}

});

SearchField2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchField2ActionPerformed(evt);

}

});

SearchField2.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchField2KeyReleased(evt);

}

});

jLabel14.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel14.setText("Event Start");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(SearchField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 243, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 243, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(29, 29, 29))

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SearchField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14))

.addContainerGap())

);

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 27)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(UpdateButton2)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(DeleteButton)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 105, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(SaveButton, javax.swing.GroupLayout.DEFAULT\_SIZE, 78, Short.MAX\_VALUE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(DeleteButton, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ExitButton, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(ClearButton, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(9, 9, 9)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 649, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(15, 15, 15)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 39, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 119, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(12, 12, 12)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 131, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 121, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void EndFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_EndFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_EndFieldActionPerformed

private void DiscriberFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DiscriberFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DiscriberFieldActionPerformed

private void StartFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_StartFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_StartFieldActionPerformed

private void CodeFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_CodeFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_CodeFieldActionPerformed

private void CodeFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_CodeFieldKeyReleased

// TODO add your handling code here:

}//GEN-LAST:event\_CodeFieldKeyReleased

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String ev\_tr\_id ,ev\_start , ev\_end ,ev\_descr ;

ev\_start = StartField.getText();

ev\_end = EndField.getText();

ev\_descr= DiscriberField.getText();

ev\_tr\_id = CodeField.getText();

try{

cs= conn.prepareCall("insert into event (ev\_tr\_id,ev\_start,ev\_end,ev\_descr)values(?,?,?,?)");

cs.setString(1,ev\_tr\_id );

cs.setString(2,ev\_start);

cs.setString(3,ev\_end);

cs.setString(4,ev\_descr);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Event Start","Event End","Discriber"}));

table\_load();

StartField.setText("");

EndField.setText("");

DiscriberField.setText("");

CodeField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String ev\_tr\_id ,ev\_start , ev\_end ,ev\_descr ,search1 ,search2 ;

ev\_start = StartField.getText();

ev\_end = EndField.getText();

ev\_descr= DiscriberField.getText();

ev\_tr\_id = CodeField.getText();

search1 = SearchField1.getText();

search2 = SearchField2.getText();

try{

pst= conn.prepareStatement("update event set ev\_tr\_id =? ,ev\_start=? , ev\_end=?, ev\_descr=? WHERE ev\_tr\_id =? and ev\_start =?");

pst.setString(1,ev\_tr\_id);

pst.setString(2,ev\_start);

pst.setString(3,ev\_end);

pst.setString(4,ev\_descr);

pst.setString(5,search1);

pst.setString(6,search2);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record upadted!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Event Start","Event End","Discriber"}));

table\_load();

StartField.setText("");

EndField.setText("");

DiscriberField.setText("");

CodeField.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String search1 , search2;

search1 = SearchField1.getText();

search2 = SearchField2.getText();

try{

pst= conn.prepareStatement("delete from event WHERE ev\_tr\_id =? and ev\_start=? ");

pst.setString(1, search1);

pst.setString(2, search2);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Event Start","Event End","Discriber"}));

table\_load();

StartField.setText("");

EndField.setText("");

DiscriberField.setText("");

CodeField.setText("");

SearchField1.setText("");

SearchField2.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

StartField.setText("");

EndField.setText("");

DiscriberField.setText("");

CodeField.setText("");

SearchField1.setText("");

SearchField2.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void SearchField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchField1ActionPerformed

private void SearchField1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchField1KeyReleased

}//GEN-LAST:event\_SearchField1KeyReleased

private void SearchField2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchField2ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchField2ActionPerformed

private void SearchField2KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchField2KeyReleased

try{

String sr1 = SearchField1.getText();

String sr2 = SearchField2.getText();

pst = conn.prepareStatement("SELECT ev\_tr\_id , ev\_start, ev\_end, ev\_descr FROM event WHERE ev\_tr\_id =? and ev\_start =?");

pst.setString(1 , sr1);

pst.setString(2 , sr2);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String ev\_tr\_id = rs.getString(1);

String ev\_start = rs.getString(2);

String ev\_end = rs.getString(3);

String ev\_descr = rs.getString(4);

StartField.setText(ev\_tr\_id);

EndField.setText(ev\_start);

DiscriberField.setText(ev\_end);

CodeField.setText( ev\_descr);

}else{

StartField.setText("");

EndField.setText("");

DiscriberField.setText("");

CodeField.setText("");

SearchField1.setText("");

SearchField2.setText("");

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchField2KeyReleased

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

SearchField1.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

StartField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

EndField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

DiscriberField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

SearchField2.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

CodeField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable1MouseClicked

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Events.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Events.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Events.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Events.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Events().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Events.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton ClearButton;

private javax.swing.JTextField CodeField;

private javax.swing.JButton DeleteButton;

private javax.swing.JTextField DiscriberField;

private javax.swing.JTextField EndField;

private javax.swing.JButton ExitButton;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField1;

private javax.swing.JTextField SearchField2;

private javax.swing.JTextField StartField;

private javax.swing.JButton UpdateButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

}

**GuideWorker**

package classes;

import static classes.Login.\*;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class GuideWorker extends javax.swing.JFrame {

public GuideWorker() throws SQLException {

initComponents();

table\_load();

table\_load\_Branches();

}

PreparedStatement pst;

CallableStatement cs;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT wrk\_AT , wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code,gui\_cv, lng\_language FROM worker INNER JOIN guide ON gui\_AT = wrk\_AT INNER JOIN languages ON lng\_gui\_AT = wrk\_AT";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String at = rs.getString("wrk\_AT");

String name = rs.getString("wrk\_name");

String laname = rs.getString("wrk\_lname");

String salary = String.valueOf(rs.getFloat("wrk\_salary"));

String br\_code = String.valueOf(rs.getInt("wrk\_br\_code"));

String language = rs.getString("gui\_cv");

String cv = rs.getString("lng\_language");

String tbData[] = {at , name, laname , salary , br\_code , cv, language };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load\_Branches() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code FROM branch";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br = rs.getString("br\_code");

String tbData[] = {br};

DefaultTableModel tblModel = (DefaultTableModel)jTable4.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel2 = new javax.swing.JLabel();

buttonGroup1 = new javax.swing.ButtonGroup();

jToggleButton1 = new javax.swing.JToggleButton();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable3 = new javax.swing.JTable();

jScrollPane4 = new javax.swing.JScrollPane();

jTable5 = new javax.swing.JTable();

jScrollPane5 = new javax.swing.JScrollPane();

jTable6 = new javax.swing.JTable();

jScrollPane6 = new javax.swing.JScrollPane();

jTable7 = new javax.swing.JTable();

jScrollPane7 = new javax.swing.JScrollPane();

jTable8 = new javax.swing.JTable();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

LastNameField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

SalaryField = new javax.swing.JTextField();

NameField = new javax.swing.JTextField();

IdField = new javax.swing.JTextField();

BranchField = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

LanguageField = new javax.swing.JTextField();

GuideCVField = new javax.swing.JTextField();

SaveButton = new javax.swing.JButton();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

SearchField = new javax.swing.JTextField();

DeleteButton = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jScrollPane3 = new javax.swing.JScrollPane();

jTable4 = new javax.swing.JTable();

jLabel2.setText("jLabel2");

jToggleButton1.setText("jToggleButton1");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jTable3.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane2.setViewportView(jTable3);

jTable5.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane4.setViewportView(jTable5);

jTable6.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane5.setViewportView(jTable6);

jTable7.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane6.setViewportView(jTable7);

jTable8.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane7.setViewportView(jTable8);

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Guide Worker");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Worker", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Name");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Last Name");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("ID Number");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Salary");

LastNameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LastNameFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Branch Code");

SalaryField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SalaryFieldActionPerformed(evt);

}

});

IdField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

IdFieldActionPerformed(evt);

}

});

BranchField.setEditable(false);

BranchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

BranchFieldActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel9.setText("Language");

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel11.setText("Guide CV");

LanguageField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LanguageFieldActionPerformed(evt);

}

});

GuideCVField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

GuideCVFieldActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING))

.addGap(53, 53, 53)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(LastNameField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(BranchField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(LanguageField)

.addComponent(GuideCVField, javax.swing.GroupLayout.Alignment.TRAILING)))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(NameField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(IdField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(SalaryField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 301, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(NameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(LastNameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(IdField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(SalaryField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(BranchField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

.addComponent(LanguageField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel11)

.addComponent(GuideCVField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(27, 27, 27))

);

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 27)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("ID Number");

SearchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchFieldActionPerformed(evt);

}

});

SearchField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(26, 26, 26)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 313, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Worker AT", "Name", "Last Name", "Salary", "Branch Code", "Language", "Guide CV"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable2);

jTable4.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTable4.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branches"

}

) {

boolean[] canEdit = new boolean [] {

false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable4.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable4MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable4);

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 60, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 925, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.LEADING, jPanel2Layout.createSequentialGroup()

.addGap(46, 46, 46)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 151, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(34, 34, 34)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 562, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 419, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 419, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addGap(18, 18, 18)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 90, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void jTable4MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable4MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable4.getModel();

int selectedRowIndex = jTable4.getSelectedRow();

BranchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable4MouseClicked

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

IdField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

NameField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

LastNameField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

SalaryField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

BranchField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

LanguageField.setText(model.getValueAt(selectedRowIndex ,5).toString());

GuideCVField.setText(model.getValueAt(selectedRowIndex ,6).toString());

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String name , lname , id , salary , brcode ,srid ,language,cv ;

name = NameField.getText();

lname =LastNameField.getText();

id = IdField.getText();

salary = SalaryField.getText();

brcode = BranchField.getText();

srid = SearchField.getText();

language = LanguageField.getText();

cv = GuideCVField.getText();

try{

pst= conn.prepareStatement("update worker set wrk\_AT=? ,wrk\_name=? ,wrk\_lname=? ,wrk\_salary=?, wrk\_br\_code=? WHERE wrk\_AT =?");

SQLWarning warning = pst.getWarnings();

pst.setString(1,id);

pst.setString(2,name);

pst.setString(3,lname);

pst.setString(4,salary);

pst.setString(5,brcode);

pst.setString(6,srid);

pst.executeUpdate();

pst= conn.prepareStatement("update guide set gui\_cv = ? WHERE gui\_AT =?");

pst.setString(1,cv);

pst.setString(2,srid);

pst.executeUpdate();

pst= conn.prepareStatement("update languages set lng\_language = ? WHERE lng\_gui\_AT =?");

pst.setString(1,language);

pst.setString(2,srid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Update!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Language","Guide CV"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

LanguageField.setText("");

GuideCVField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String name , lname;

name = NameField.getText();

lname = LastNameField.getText();

try{

cs= conn.prepareCall("{ call delete\_worker(?,?) }");

cs.setString(1,name);

cs.setString(2,lname);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Language","Guide CV"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

LanguageField.setText("");

GuideCVField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void SearchFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchFieldKeyReleased

try{

String wrk\_AT = SearchField.getText();

pst = conn.prepareStatement("SELECT wrk\_AT , wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code,gui\_cv, lng\_language FROM worker INNER JOIN guide ON gui\_AT = wrk\_AT INNER JOIN languages ON lng\_gui\_AT = wrk\_AT WHERE wrk\_AT = ?");

pst.setString(1 , wrk\_AT);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String AT = rs.getString(1);

String name = rs.getString(2);

String lname = rs.getString(3);

String salary = rs.getString(4);

String code = rs.getString(5);

String language = rs.getString(6);

String cv = rs.getString(7);

NameField.setText(name);

LastNameField.setText(lname);

IdField.setText(AT);

SalaryField.setText(salary);

BranchField.setText(code);

LanguageField.setText(language);

GuideCVField.setText(cv);

}else{

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

LanguageField.setText("");

GuideCVField.setText("");

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchFieldKeyReleased

private void SearchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchFieldActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

LanguageField.setText("");

GuideCVField.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String name , lname , id , salary , brcode ,language,cv ;

name = NameField.getText();

lname =LastNameField.getText();

id = IdField.getText();

salary = SalaryField.getText();

brcode = BranchField.getText();

language = LanguageField.getText();

cv = GuideCVField.getText();

try{

pst= conn.prepareStatement("insert into worker(wrk\_AT,wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code)values(?,?,?,?,?)");

pst.setString(1,id);

pst.setString(2,name);

pst.setString(3,lname);

pst.setString(4,salary);

pst.setString(5,brcode);

pst.executeUpdate();

pst= conn.prepareStatement("insert into guide (gui\_AT,gui\_cv)values(?,?)");

pst.setString(1,id);

pst.setString(2,cv);

pst.executeUpdate();

pst= conn.prepareStatement("insert into languages (lng\_gui\_AT,lng\_language)values(?,?)");

pst.setString(1,id);

pst.setString(2,language);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Worker AT", "Name","Last Name","Salary","Branch Code","Language","Guide CV"}));

table\_load();

NameField.setText("");

LastNameField.setText("");

IdField.setText("");

SalaryField.setText("");

BranchField.setText("");

LanguageField.setText("");

GuideCVField.setText("");

NameField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void GuideCVFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_GuideCVFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_GuideCVFieldActionPerformed

private void LanguageFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LanguageFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LanguageFieldActionPerformed

private void BranchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_BranchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_BranchFieldActionPerformed

private void IdFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_IdFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_IdFieldActionPerformed

private void SalaryFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SalaryFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SalaryFieldActionPerformed

private void LastNameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LastNameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LastNameFieldActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(GuideWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(GuideWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(GuideWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(GuideWorker.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

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/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new GuideWorker().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(GuideWorker.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JTextField BranchField;

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField GuideCVField;

private javax.swing.JTextField IdField;

private javax.swing.JTextField LanguageField;

private javax.swing.JTextField LastNameField;

private javax.swing.JTextField NameField;

private javax.swing.JTextField SalaryField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField;

private javax.swing.JButton UpdateButton2;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JScrollPane jScrollPane4;

private javax.swing.JScrollPane jScrollPane5;

private javax.swing.JScrollPane jScrollPane6;

private javax.swing.JScrollPane jScrollPane7;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JTable jTable3;

private javax.swing.JTable jTable4;

private javax.swing.JTable jTable5;

private javax.swing.JTable jTable6;

private javax.swing.JTable jTable7;

private javax.swing.JTable jTable8;

private javax.swing.JToggleButton jToggleButton1;

// End of variables declaration//GEN-END:variables

}

**ItAdmin**

package classes;

import static classes.Login.conn;

import static classes.Login.login;

import static classes.Menu.menu;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.table.DefaultTableModel;

public class ItAdmin extends javax.swing.JFrame {

//private Connection conn;

private DefaultTableModel tmodel;

private DefaultTableModel branch\_tmodel;

public ItAdmin() {

initComponents();

tmodel = (DefaultTableModel) jTable.getModel();

branch\_tmodel = (DefaultTableModel) jTable.getModel();

selectAll();

tableLoadBranches();

}

private void selectAll(){

try {

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery("SELECT wrk\_AT,wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code, " +

"it\_password,it\_start\_date,it\_end\_date,Insert\_priv FROM worker " +

"INNER JOIN it\_admin ON it\_at = wrk\_AT " +

"INNER JOIN mysql.db ON wrk\_lname = User");

ResultSetMetaData metaData = rs.getMetaData();

int columnCount = metaData.getColumnCount();

Object[] row;

while (rs.next()) {

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++) {

row[i - 1] = rs.getString(i);

}

tmodel.addRow(row);

}

rs.close();

stmt.close();

}catch (SQLException e) {

e.printStackTrace();

}

}

public void tableLoadBranches(){

try {

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code FROM branch";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br = rs.getString("br\_code");

String tbData[] = {br};

DefaultTableModel tblModel = (DefaultTableModel)jTable4.getModel();

tblModel.addRow(tbData);

}

} catch (SQLException e) {

e.printStackTrace();

}

}

private int insertItAdmin() throws SQLException{

try {

boolean userCreated = createUser();

if(userCreated==false){

return 1;

}

String sql = "INSERT INTO worker(wrk\_AT,wrk\_name,wrk\_lname,wrk\_salary,wrk\_br\_code)"

+ "VALUES(?,?,?,?,?)";

PreparedStatement stmt = conn.prepareStatement(sql);

stmt.setString(1,idField.getText());

stmt.setString(2,nameField.getText());

stmt.setString(3,lastNameField.getText());

float salaryValue = Float.parseFloat(salaryField.getText());

stmt.setFloat(4, salaryValue);

int brCodeValue = Integer.parseInt(branchField.getText());

stmt.setInt(5,brCodeValue);

stmt.executeUpdate();

//an exw keno to field password kalw synartisei pou kanei insert tin default timi password

String passwordValue = passwordField.getText();

if(passwordValue.isEmpty()){

insertItAdminDefPass();

return 0;

}

sql = "INSERT INTO it\_admin(it\_at,it\_password,it\_start\_date,it\_end\_date)VALUES(?,?,?,?)";

stmt = conn.prepareStatement(sql);

String endDateValue = endDateField.getText();

stmt.setString(1, idField.getText());

stmt.setString(2, passwordValue);

stmt.setString(3, startDateField.getText());

if(endDateValue.isEmpty()){

stmt.setObject(4,null);

}

else{

stmt.setString(4, endDateValue);

}

stmt.executeUpdate();

stmt.close();

}catch(SQLException e) {

e.printStackTrace();

//mporei na dimiourgithei o user alla na yparxei provlima stin dimiourgia worker i it\_admin opote

//diagrafw ton user pou eixe dimiourgithei

String username = lastNameField.getText();

PreparedStatement stmt= conn.prepareStatement("drop user ?@localhost");

stmt.setString(1,username);

stmt.execute();

stmt = conn.prepareStatement("delete from mysql.db WHERE User = ?");

stmt.setString(1, username);

stmt.executeUpdate();

return 1;

}

catch(NumberFormatException e){

e.printStackTrace();

return 1;

}

return 0;

}

private void insertItAdminDefPass() throws SQLException{

try {

String sql = "INSERT INTO it\_admin(it\_at,it\_password,it\_start\_date,it\_end\_date)VALUES(?,DEFAULT,?,?)";

PreparedStatement stmt = conn.prepareStatement(sql);

stmt = conn.prepareStatement(sql);

String endDateValue = endDateField.getText();

stmt.setString(1, idField.getText());

stmt.setString(2, startDateField.getText());

if(endDateValue.isEmpty()){

stmt.setObject(3,null);

}

else{

stmt.setString(3, endDateValue);

}

stmt.executeUpdate();

stmt.close();

}catch(SQLException e) {

e.printStackTrace();

String username = lastNameField.getText();

PreparedStatement stmt= conn.prepareStatement("drop user ?@localhost");

stmt.setString(1,username);

stmt.execute();

stmt = conn.prepareStatement("delete from mysql.db WHERE User = ?");

stmt.setString(1, username);

stmt.executeUpdate();

}

}

private boolean createUser(){

try{

String priv = (String)privilegesBox.getSelectedItem();

CallableStatement stmt;

if(priv.equals("Select Privileges")){

stmt = conn.prepareCall("{call create\_select\_user(?, ?)}");

}

else{

stmt = conn.prepareCall("{call create\_user(?, ?)}");

}

String username = lastNameField.getText();

String password = passwordField.getText();

if(password.isEmpty()){

password = "password";

}

//set procedure input args

stmt.setString(1, username);

stmt.setString(2, password);

//execute procedure

stmt.execute();

//close the resources

stmt.close();

}catch (SQLException e) {

e.printStackTrace();

return false;

}

return true;

}

private void clearTable(DefaultTableModel model){

while(model.getRowCount()>0) {

model.removeRow(0);

}

}

private int deleteItAdmin(){

try{

//den mporw na diagrapsw ton user me ton opoio exw syndethei

if(login.username.equals(lastNameField.getText())){

return 1;

}

String username = lastNameField.getText();

PreparedStatement stmt= conn.prepareStatement("drop user ?@localhost");

stmt.setString(1,username);

stmt.execute();

stmt = conn.prepareStatement("delete from worker WHERE wrk\_AT = ?");

String at = idField.getText();

stmt.setString(1, at);

stmt.executeUpdate();

stmt = conn.prepareStatement("delete from mysql.db WHERE User = ?");

stmt.setString(1, username);

stmt.executeUpdate();

nameField.setText("");

lastNameField.setText("");

idField.setText("");

salaryField.setText("");

branchField.setText("");

passwordField.setText("");

startDateField.setText("");

endDateField.setText("");

}catch(SQLException e){

e.printStackTrace();

return 1;

}

return 0;

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

nameLabel = new javax.swing.JLabel();

lastNameLabel = new javax.swing.JLabel();

idLabel = new javax.swing.JLabel();

salaryLabel = new javax.swing.JLabel();

branchCodeLabel = new javax.swing.JLabel();

passwordLabel = new javax.swing.JLabel();

startDateLabel = new javax.swing.JLabel();

endDateLabel = new javax.swing.JLabel();

nameField = new javax.swing.JTextField();

lastNameField = new javax.swing.JTextField();

salaryField = new javax.swing.JTextField();

idField = new javax.swing.JTextField();

branchField = new javax.swing.JTextField();

passwordField = new javax.swing.JTextField();

startDateField = new javax.swing.JTextField();

endDateField = new javax.swing.JTextField();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

jLabel9 = new javax.swing.JLabel();

privilegesLabel = new javax.swing.JLabel();

privilegesBox = new javax.swing.JComboBox<>();

jScrollPane1 = new javax.swing.JScrollPane();

jTable = new javax.swing.JTable();

selectAllButton = new javax.swing.JButton();

saveButton = new javax.swing.JButton();

clearButton = new javax.swing.JButton();

deleteButton = new javax.swing.JButton();

backButton = new javax.swing.JButton();

jScrollPane3 = new javax.swing.JScrollPane();

jTable4 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("IT Admin ");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Worker", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

nameLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

nameLabel.setText("Name");

lastNameLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

lastNameLabel.setText("Last Name");

idLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

idLabel.setText("ID Number");

salaryLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

salaryLabel.setText("Salary");

branchCodeLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

branchCodeLabel.setText("Branch Code");

passwordLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

passwordLabel.setText("Password");

startDateLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

startDateLabel.setText("Start Date");

endDateLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

endDateLabel.setText("End Date");

lastNameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

lastNameFieldActionPerformed(evt);

}

});

salaryField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

salaryFieldActionPerformed(evt);

}

});

idField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

idFieldActionPerformed(evt);

}

});

branchField.setEditable(false);

branchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

branchFieldActionPerformed(evt);

}

});

passwordField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

passwordFieldActionPerformed(evt);

}

});

startDateField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

startDateFieldActionPerformed(evt);

}

});

endDateField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

endDateFieldActionPerformed(evt);

}

});

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

jLabel5.setText("(YYYY-MM-DD HH:MM:SS)");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

jLabel6.setText("(YYYY-MM-DD HH:MM:SS)");

jLabel7.setForeground(new java.awt.Color(102, 102, 102));

jLabel7.setText("leave empty for default value");

jLabel9.setForeground(new java.awt.Color(102, 102, 102));

jLabel9.setText("leave empty for default value");

privilegesLabel.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

privilegesLabel.setText("Privileges");

privilegesBox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "All Privileges", "Select Privileges" }));

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(0, 0, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(nameField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(idField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(salaryField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 301, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(startDateLabel, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(lastNameLabel, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(passwordLabel, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(branchCodeLabel, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(endDateLabel, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel9)

.addComponent(jLabel7)

.addComponent(salaryLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(nameLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(idLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(privilegesLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 93, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(36, 36, 36)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(lastNameField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(branchField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(passwordField)

.addComponent(startDateField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(endDateField)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel5)

.addComponent(jLabel6))

.addGap(0, 90, Short.MAX\_VALUE))

.addComponent(privilegesBox, 0, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

.addContainerGap())

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(nameLabel)

.addComponent(nameField))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(lastNameLabel)

.addComponent(lastNameField))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(idLabel)

.addComponent(idField))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(salaryLabel)

.addComponent(salaryField))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(branchCodeLabel)

.addComponent(branchField))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(passwordLabel)

.addComponent(passwordField))

.addGap(3, 3, 3)

.addComponent(jLabel7)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(startDateLabel)

.addComponent(startDateField))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(endDateField, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel5))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(endDateLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel9)))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(privilegesLabel, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(privilegesBox, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(31, 31, 31))

);

jTable.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Worker AT", "Name", "Last Name", "Salary", "Branch Code", "Password", "Start Date", "End Date", "All Privileges"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTableMouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable);

selectAllButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

selectAllButton.setText("Show All");

selectAllButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

selectAllButtonActionPerformed(evt);

}

});

saveButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

saveButton.setText("Insert");

saveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

saveButtonActionPerformed(evt);

}

});

clearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

clearButton.setText("Clear");

clearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

clearButtonActionPerformed(evt);

}

});

deleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

deleteButton.setText("Delete");

deleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

deleteButtonActionPerformed(evt);

}

});

backButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

backButton.setText("Back");

backButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

backButtonActionPerformed(evt);

}

});

jTable4.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTable4.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branches"

}

) {

boolean[] canEdit = new boolean [] {

false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable4.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable4MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable4);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(0, 26, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 562, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(945, 945, 945))

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(selectAllButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(saveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(deleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(clearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 60, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1)))

.addGap(12, 12, 12))))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 63, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createSequentialGroup()

.addGap(12, 12, 12)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane3, javax.swing.GroupLayout.DEFAULT\_SIZE, 412, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addGap(13, 13, 13)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(saveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(selectAllButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(deleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(clearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(0, 0, Short.MAX\_VALUE)))))

.addGap(12, 12, 12))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void lastNameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_lastNameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_lastNameFieldActionPerformed

private void salaryFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_salaryFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_salaryFieldActionPerformed

private void idFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_idFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_idFieldActionPerformed

private void branchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_branchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_branchFieldActionPerformed

private void passwordFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_passwordFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_passwordFieldActionPerformed

private void startDateFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_startDateFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_startDateFieldActionPerformed

private void endDateFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_endDateFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_endDateFieldActionPerformed

private void jTableMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTableMouseClicked

int selectedRowIndex = jTable.getSelectedRow();

idField.setText(tmodel.getValueAt(selectedRowIndex ,0 ).toString());

nameField.setText(tmodel.getValueAt(selectedRowIndex ,1 ).toString());

lastNameField.setText(tmodel.getValueAt(selectedRowIndex ,2 ).toString());

salaryField.setText(tmodel.getValueAt(selectedRowIndex ,3 ).toString());

branchField.setText(tmodel.getValueAt(selectedRowIndex ,4 ).toString());

passwordField.setText(tmodel.getValueAt(selectedRowIndex ,5).toString());

startDateField.setText(tmodel.getValueAt(selectedRowIndex ,6).toString());

try{

endDateField.setText(tmodel.getValueAt(selectedRowIndex ,7 ).toString());

}

catch(NullPointerException e){

endDateField.setText("");

}

if(tmodel.getValueAt(selectedRowIndex ,8).toString().equals("Y")){

privilegesBox.setSelectedItem("All Privileges");

}

else{

privilegesBox.setSelectedItem("Select Privileges");

}

}//GEN-LAST:event\_jTableMouseClicked

private void saveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_saveButtonActionPerformed

clearTable(tmodel);

try {

insertItAdmin();

} catch (SQLException e) {

e.printStackTrace();

}

selectAll();

}//GEN-LAST:event\_saveButtonActionPerformed

private void clearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_clearButtonActionPerformed

//clear text fields

nameField.setText("");

lastNameField.setText("");

idField.setText("");

salaryField.setText("");

branchField.setText("");

passwordField.setText("");

startDateField.setText("");

endDateField.setText("");

}//GEN-LAST:event\_clearButtonActionPerformed

private void selectAllButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_selectAllButtonActionPerformed

clearTable(tmodel);

selectAll();

}//GEN-LAST:event\_selectAllButtonActionPerformed

private void deleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_deleteButtonActionPerformed

// TODO add your handling code here:

clearTable(tmodel);

deleteItAdmin();

selectAll();

}//GEN-LAST:event\_deleteButtonActionPerformed

private void backButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_backButtonActionPerformed

// TODO add your handling code here:

this.dispose();

menu.requestFocus();

}//GEN-LAST:event\_backButtonActionPerformed

private void jTable4MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable4MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable4.getModel();

int selectedRowIndex = jTable4.getSelectedRow();

branchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable4MouseClicked

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ItAdmin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ItAdmin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ItAdmin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ItAdmin.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new ItAdmin().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton backButton;

private javax.swing.JLabel branchCodeLabel;

private javax.swing.JTextField branchField;

private javax.swing.JButton clearButton;

private javax.swing.JButton deleteButton;

private javax.swing.JTextField endDateField;

private javax.swing.JLabel endDateLabel;

private javax.swing.JTextField idField;

private javax.swing.JLabel idLabel;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JTable jTable;

private javax.swing.JTable jTable4;

private javax.swing.JTextField lastNameField;

private javax.swing.JLabel lastNameLabel;

private javax.swing.JTextField nameField;

private javax.swing.JLabel nameLabel;

private javax.swing.JTextField passwordField;

private javax.swing.JLabel passwordLabel;

private javax.swing.JComboBox<String> privilegesBox;

private javax.swing.JLabel privilegesLabel;

private javax.swing.JTextField salaryField;

private javax.swing.JLabel salaryLabel;

private javax.swing.JButton saveButton;

private javax.swing.JButton selectAllButton;

private javax.swing.JTextField startDateField;

private javax.swing.JLabel startDateLabel;

// End of variables declaration//GEN-END:variables

}

**Log\_Destination**

package classes;

import static classes.Login.\*;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

public class Log\_Destination extends javax.swing.JFrame {

public Log\_Destination() throws SQLException {

initComponents();

table\_load();

}

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT \* FROM log\_destination ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String log\_type = rs.getString("log\_type");

String log\_it\_lname = rs.getString("log\_it\_lname");

String log\_timestamp = rs.getString("log\_timestamp");

String log\_dst\_id = String.valueOf(rs.getInt("log\_dst\_id"));

String log\_dst\_name = rs.getString("log\_dst\_name");

String log\_dst\_dscr = rs.getString("log\_dst\_dscr");

String log\_dst\_rtype = rs.getString("log\_dst\_rtype");

String log\_dst\_language = rs.getString("log\_dst\_language");

String log\_dst\_location = rs.getString("log\_dst\_location");

String tbData[] = {log\_type,log\_it\_lname,log\_timestamp ,log\_dst\_id ,log\_dst\_name,log\_dst\_dscr,log\_dst\_rtype,log\_dst\_language,log\_dst\_location };

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("History of Destinations Table");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Action Type", "Admin Last Name", "Timestamp", "Destination ID", "Destination Name", "Describer", "Type", "Language", "Location"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(455, 455, 455)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 467, Short.MAX\_VALUE)

.addGap(488, 488, 488))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 60, Short.MAX\_VALUE)

.addGap(12, 12, 12)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 445, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>//GEN-END:initComponents

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Log\_Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Log\_Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Log\_Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Log\_Destination.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Log\_Destination().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Log\_Destination.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JLabel jLabel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration//GEN-END:variables

}

**Log\_Events**

package classes;

import static classes.Login.\*;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

public class Log\_Event extends javax.swing.JFrame {

public Log\_Event() throws SQLException {

initComponents();

table\_load();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT \* FROM log\_event ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String log\_type = rs.getString("log\_type");

String log\_it\_lname = rs.getString("log\_it\_lname");

String log\_timestamp = String.valueOf("log\_timestamp ");

String log\_ev\_tr\_id = String.valueOf(rs.getInt("log\_ev\_tr\_id"));

String log\_ev\_start = rs.getString("log\_ev\_start");

String log\_ev\_end = rs.getString("log\_ev\_end");

String log\_ev\_descr = rs.getString("log\_ev\_descr");

String tbData[] = {log\_type,log\_it\_lname,log\_timestamp ,log\_ev\_tr\_id ,log\_ev\_start,log\_ev\_end, log\_ev\_descr};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("History of Event Table");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Action Type", "Admin Last Name", "Timestamp", "Event Travel ID", "Event Start Date", "Event End Date", "Event Describe"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 1113, Short.MAX\_VALUE)

.addGap(16, 16, 16))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(395, 395, 395)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addGap(386, 386, 386))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGap(27, 27, 27)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 413, Short.MAX\_VALUE)

.addGap(17, 17, 17))

);

pack();

}// </editor-fold>//GEN-END:initComponents

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Log\_Event.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Log\_Event.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Log\_Event.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Log\_Event.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Log\_Event().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Log\_Event.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JLabel jLabel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration//GEN-END:variables

}

**Log\_Reservation**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

public class Log\_Reservation extends javax.swing.JFrame {

public Log\_Reservation() throws SQLException {

initComponents();

table\_load();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT \* FROM log\_reservation ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String log\_type = rs.getString("log\_type");

String log\_it\_lname = rs.getString("log\_it\_lname");

String log\_timestamp = String.valueOf("log\_timestamp ");

String log\_res\_tr\_id = String.valueOf(rs.getInt("log\_res\_tr\_id"));

String log\_res\_seatnum = rs.getString("log\_res\_seatnum");

String log\_res\_name = rs.getString("log\_res\_name");

String log\_res\_lname = rs.getString("log\_res\_lname");

String log\_res\_isadult = rs.getString("log\_res\_isadult");

String tbData[] = {log\_type,log\_it\_lname,log\_timestamp ,log\_res\_tr\_id ,log\_res\_seatnum,log\_res\_name, log\_res\_lname ,log\_res\_isadult };

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("History of Reservation Table");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Action Type", "Admin Last Name", "Timestamp", "Reservation Travel ID", "Reservation Seat Number", "Name", "Last Name", "Adult / Minor"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 1199, Short.MAX\_VALUE)

.addContainerGap())

.addGroup(layout.createSequentialGroup()

.addGap(372, 372, 372)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 459, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 61, Short.MAX\_VALUE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 445, Short.MAX\_VALUE)

.addContainerGap())

);

pack();

}// </editor-fold>//GEN-END:initComponents

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Log\_Reservation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Log\_Reservation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Log\_Reservation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Log\_Reservation.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Log\_Reservation().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Log\_Reservation.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JLabel jLabel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration//GEN-END:variables

}

**Log\_Travel\_To**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

public class Log\_Travel\_To extends javax.swing.JFrame {

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT log\_type , log\_it\_lname , log\_timestamp , log\_to\_tr\_id ,log\_to\_dst\_id,log\_to\_arrival,log\_to\_departure FROM log\_travel\_to ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String log\_type = rs.getString("log\_type");

String log\_it\_lname = rs.getString("log\_it\_lname");

String log\_timestamp = String.valueOf("log\_timestam");

String log\_to\_tr\_id = String.valueOf(rs.getInt("log\_to\_tr\_id"));

String log\_to\_dst\_id = String.valueOf(rs.getInt("log\_to\_dst\_id"));

String log\_to\_arrival = rs.getString("log\_to\_arrival");

String log\_to\_departure =rs.getString("log\_to\_departure");

String tbData[] = {log\_type,log\_it\_lname,log\_timestamp ,log\_to\_tr\_id ,log\_to\_dst\_id,log\_to\_arrival,log\_to\_departure};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public Log\_Travel\_To() throws SQLException {

initComponents();

table\_load();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("History of Travel To Table");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Action Type", "Admin Last Name", "Timestamp", "Travel ID", "Destination ID", "Arrival ", "Departure"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(280, 280, 280)

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 417, Short.MAX\_VALUE)

.addGap(336, 336, 336))

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 56, Short.MAX\_VALUE)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 435, Short.MAX\_VALUE)

.addGap(25, 25, 25))

);

pack();

}// </editor-fold>//GEN-END:initComponents

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Log\_Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Log\_Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Log\_Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Log\_Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Log\_Travel\_To().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Log\_Travel\_To.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JLabel jLabel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration//GEN-END:variables

}

**Log\_Trip**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import javax.swing.table.DefaultTableModel;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.SQLException;

import java.util.logging.Level;

import java.util.logging.Logger;

public class Log\_Trip extends javax.swing.JFrame {

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT log\_type , log\_it\_lname , log\_timestamp , log\_tr\_id ,log\_tr\_departure,log\_tr\_return,log\_tr\_maxseats,log\_tr\_cost,"

+ "log\_tr\_br\_code, log\_tr\_gui\_AT ,log\_tr\_drv\_AT FROM log\_trip ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String log\_type = rs.getString("log\_type");

String log\_it\_lname = rs.getString("log\_it\_lname");

String log\_timestamp = rs.getString("log\_timestamp");

String log\_tr\_id = String.valueOf(rs.getInt("log\_tr\_id"));

String log\_tr\_departure = rs.getString("log\_tr\_departure");

String log\_tr\_return = rs.getString("log\_tr\_return");

String log\_tr\_maxseats =rs.getString("log\_tr\_maxseats");

String log\_tr\_cost = rs.getString("log\_tr\_cost");

String log\_tr\_br\_code = rs.getString(rs.getInt("log\_tr\_br\_code"));

String log\_tr\_gui\_AT = rs.getString("log\_tr\_gui\_AT");

String log\_tr\_drv\_AT = rs.getString("log\_tr\_drv\_AT");

String tbData[] = {log\_type,log\_it\_lname,log\_timestamp ,log\_tr\_id,log\_tr\_departure , log\_tr\_return,log\_tr\_maxseats,log\_tr\_cost,log\_tr\_br\_code,log\_tr\_gui\_AT,log\_tr\_drv\_AT};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public Log\_Trip() throws SQLException {

initComponents();

table\_load();

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("History of Trip Table");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Action Type", "Admin Last Name", "Timestamp", "Trip ID", "Trip Departure", "Trip Return", "Max Seats", "Cost", "Branch Code", "Guide AT", "Driver AT"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jScrollPane1.setViewportView(jTable1);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jScrollPane1)

.addContainerGap())

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap(437, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 335, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(440, 440, 440))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.DEFAULT\_SIZE, 58, Short.MAX\_VALUE)

.addGap(18, 18, 18)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 437, Short.MAX\_VALUE)

.addGap(25, 25, 25))

);

pack();

}// </editor-fold>//GEN-END:initComponents

public static void main(String args[]) {

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Log\_Trip().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Log\_Trip.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JLabel jLabel1;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JTable jTable1;

// End of variables declaration//GEN-END:variables

}

**Login**

package classes;

import java.awt.event.\*;

import java.io.BufferedReader;

import java.io.File;

import java.io.FileInputStream;

import java.io.FileNotFoundException;

import java.io.IOException;

import java.io.InputStreamReader;

import java.nio.charset.StandardCharsets;

import java.sql.\*;

import java.util.ArrayList;

import java.util.Random;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

public class Login extends javax.swing.JFrame {

public static Connection conn;

public static Login login;

public String username;

public String password;

public Login() {

initComponents();

login = this;

//prosthtw enan keylistener gia na kanw focus sto password field otan valw to username

userNameField.addKeyListener(new KeyAdapter() {

@Override

public void keyPressed(KeyEvent e) {

if (e.getKeyCode() == KeyEvent.VK\_ENTER) {

passwordField.requestFocus();

}

}

});

//prosthtw enan keylistener gia na pataei to enterButton otan patisw to enter key

passwordField.addKeyListener(new KeyAdapter() {

@Override

public void keyPressed(KeyEvent e) {

if (e.getKeyCode() == KeyEvent.VK\_ENTER) {

enterButton.doClick();

}

}

});

}

private void insert(){

ArrayList<String> names = new ArrayList<>();

ArrayList<String> lastNames = new ArrayList<>();

File file = new File("../names.txt");

try (FileInputStream fis = new FileInputStream(file);

InputStreamReader isr = new InputStreamReader(fis, StandardCharsets.UTF\_16);

BufferedReader reader = new BufferedReader(isr)){

String str;

while ((str = reader.readLine()) != null) {

String[] parts = str.split("\t");

names.add(parts[0]);

lastNames.add(parts[1]);

}

} catch (FileNotFoundException e) {

System.out.println("File not found: " + e.getMessage());

} catch (IOException ex) {

Logger.getLogger(Login.class.getName()).log(Level.SEVERE, null, ex);

}

int di = 1;

for(int j = 1; j<4 ; j++ ){

for (int i = 0; i <= 25000; i++) {

Random random = new Random();

int min = 0;

int max = 9999;

int index = random.nextInt(max - min ) + min;

String Name = names.get(index);

String Last\_Name = lastNames.get(index);

String id = Integer.toString(di);

min =70;

max = 200;

int dep = random.nextInt(max - min ) + min;

String depos = Integer.toString(dep);

PreparedStatement pst;

try{

pst= conn.prepareStatement("insert into reservation\_offers(rsv\_name,rsv\_lastname,deposit\_amount,rsv\_offer\_id)values(?,?,?,?)");

pst.setString(1,Name);

pst.setString(2,Last\_Name);

pst.setString(3,depos);

pst.setString(4,id);

pst.executeUpdate();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}

di +=1;

}

}

private boolean connect(String uname, String pass){

try{

//connect to the database

String DB\_URL = "jdbc:mysql://localhost:3306/travel\_agency?allowPublicKeyRetrieval=true";

username = uname;

password = pass;

conn = DriverManager.getConnection(DB\_URL, username, password);

}catch(SQLException e){

e.printStackTrace();

return false;

}

return true;

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jLabel6 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

userNameField = new javax.swing.JTextField();

passwordField = new javax.swing.JPasswordField();

enterButton = new javax.swing.JButton();

resetButton = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jPanel1.setBackground(javax.swing.UIManager.getDefaults().getColor("Button.default.focusedBorderColor"));

jLabel6.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel6.setText("Username");

jLabel5.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

jLabel5.setText("Password");

userNameField.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

userNameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

userNameFieldActionPerformed(evt);

}

});

passwordField.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

enterButton.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

enterButton.setText("Enter");

enterButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

enterButtonActionPerformed(evt);

}

});

resetButton.setFont(new java.awt.Font("Tahoma", 1, 14)); // NOI18N

resetButton.setText("Clear");

resetButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

resetButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(24, 24, 24)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 95, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(30, 30, 30)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(passwordField)

.addComponent(userNameField)))

.addGroup(jPanel1Layout.createSequentialGroup()

.addComponent(enterButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 39, Short.MAX\_VALUE)

.addComponent(resetButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(53, 53, 53))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(26, 26, 26)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 23, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(userNameField, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(passwordField, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(enterButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(resetButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(79, 79, 79))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 148, javax.swing.GroupLayout.PREFERRED\_SIZE)

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void enterButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_enterButtonActionPerformed

String uname = userNameField.getText();

String password = String.copyValueOf(passwordField.getPassword());

boolean connected = false;

connected = connect(uname, password);

if(connected){

Menu menu = new Menu();

this.setVisible(false);

menu.setLocationRelativeTo(null);

menu.setVisible(true);

}

else {

JOptionPane.showMessageDialog(this, "Username or Password Wrong..");

userNameField.setText("");

passwordField.setText("");

userNameField.requestFocus();

}

try {

Statement statement = conn.createStatement();

String reservation\_offers ="reservation\_offers";

ResultSet resultSet = statement.executeQuery("SELECT COUNT(\*) FROM " +reservation\_offers);

if (resultSet.next()) {

int count = resultSet.getInt(1);

if (count == 0) {

System.out.println("Table is empty");

insert();

} else {

System.out.println("Table is not empty");

}

}

} catch (SQLException e) {

System.out.println("An error occurred while connecting to the database");

}

}//GEN-LAST:event\_enterButtonActionPerformed

private void resetButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_resetButtonActionPerformed

userNameField.setText("");

passwordField.setText("");

userNameField.requestFocus();

}//GEN-LAST:event\_resetButtonActionPerformed

private void userNameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_userNameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_userNameFieldActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Login.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Login().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton enterButton;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JPanel jPanel1;

private javax.swing.JPasswordField passwordField;

private javax.swing.JButton resetButton;

private javax.swing.JTextField userNameField;

// End of variables declaration//GEN-END:variables

}

**Main**

package classes;

public class Main{

//public static Login login;

public static void main(String[] args) {

Login login = new Login();

//center the window

login.setLocationRelativeTo(null);

// Show the login window

login.setVisible(true);

}

}

**Menu**

package classes;

import static classes.Login.login;

import java.sql.SQLException;

public class Menu extends javax.swing.JFrame {

public static Menu menu;

public Menu() {

initComponents();

menu = this;

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

//@SuppressWarnings("unchecked");

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

insertButton = new javax.swing.JButton();

insertButton1 = new javax.swing.JButton();

jTabbedPane1 = new javax.swing.JTabbedPane();

jPanel5 = new javax.swing.JPanel();

jButton1 = new javax.swing.JButton();

jButton6 = new javax.swing.JButton();

jButton7 = new javax.swing.JButton();

jButton8 = new javax.swing.JButton();

jButton12 = new javax.swing.JButton();

jButton19 = new javax.swing.JButton();

jButton20 = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jButton3 = new javax.swing.JButton();

jButton5 = new javax.swing.JButton();

jButton13 = new javax.swing.JButton();

jButton4 = new javax.swing.JButton();

jPanel7 = new javax.swing.JPanel();

jButton14 = new javax.swing.JButton();

jButton15 = new javax.swing.JButton();

jButton16 = new javax.swing.JButton();

jButton17 = new javax.swing.JButton();

jButton18 = new javax.swing.JButton();

jPanel6 = new javax.swing.JPanel();

jButton9 = new javax.swing.JButton();

jButton10 = new javax.swing.JButton();

jButton11 = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.EXIT\_ON\_CLOSE);

insertButton.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

insertButton.setText("Exit");

insertButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

insertButtonActionPerformed(evt);

}

});

insertButton1.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

insertButton1.setText("Back");

insertButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

insertButton1ActionPerformed(evt);

}

});

jTabbedPane1.setFont(new java.awt.Font("sansserif", 0, 18)); // NOI18N

jPanel5.setToolTipText("");

jButton1.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton1.setText("Branches");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jButton6.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton6.setText("Trips / Events");

jButton6.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton6ActionPerformed(evt);

}

});

jButton7.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton7.setText("Destinations");

jButton7.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton7ActionPerformed(evt);

}

});

jButton8.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton8.setText("Reservations");

jButton8.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton8ActionPerformed(evt);

}

});

jButton12.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton12.setText("Offers");

jButton12.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton12ActionPerformed(evt);

}

});

jButton19.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton19.setText("Reservation Offers");

jButton19.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton19ActionPerformed(evt);

}

});

jButton20.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton20.setText("Travel To Log");

jButton20.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton20ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel5Layout = new javax.swing.GroupLayout(jPanel5);

jPanel5.setLayout(jPanel5Layout);

jPanel5Layout.setHorizontalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton8, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton20, javax.swing.GroupLayout.PREFERRED\_SIZE, 160, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton7, javax.swing.GroupLayout.PREFERRED\_SIZE, 160, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton12, javax.swing.GroupLayout.PREFERRED\_SIZE, 160, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton19, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton6, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel5Layout.setVerticalGroup(

jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel5Layout.createSequentialGroup()

.addGap(17, 17, 17)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton7)

.addComponent(jButton6)

.addComponent(jButton1))

.addGap(18, 18, 18)

.addGroup(jPanel5Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton19)

.addComponent(jButton12)

.addComponent(jButton8))

.addGap(18, 18, 18)

.addComponent(jButton20)

.addContainerGap(82, Short.MAX\_VALUE))

);

jTabbedPane1.addTab("Manipulate Table", jPanel5);

jButton3.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton3.setText("Drivers");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

jButton5.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton5.setText("Guides");

jButton5.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton5ActionPerformed(evt);

}

});

jButton13.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton13.setText("IT Admis");

jButton13.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton13ActionPerformed(evt);

}

});

jButton4.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton4.setText("Admins");

jButton4.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton4ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 214, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 214, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(59, 59, 59)

.addComponent(jButton13, javax.swing.GroupLayout.PREFERRED\_SIZE, 214, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel1Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jButton4, javax.swing.GroupLayout.PREFERRED\_SIZE, 214, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap())

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton5, javax.swing.GroupLayout.PREFERRED\_SIZE, 26, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton13, javax.swing.GroupLayout.PREFERRED\_SIZE, 26, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton3)

.addComponent(jButton4))

.addContainerGap(143, Short.MAX\_VALUE))

);

jTabbedPane1.addTab("Workers", jPanel1);

jButton14.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton14.setText("Destionation Log");

jButton14.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton14ActionPerformed(evt);

}

});

jButton15.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton15.setText("Event Log");

jButton15.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton15ActionPerformed(evt);

}

});

jButton16.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton16.setText("Reservation Log");

jButton16.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton16ActionPerformed(evt);

}

});

jButton17.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton17.setText("Travel To Log");

jButton17.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton17ActionPerformed(evt);

}

});

jButton18.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton18.setText("Trip Log");

jButton18.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton18ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel7Layout = new javax.swing.GroupLayout(jPanel7);

jPanel7.setLayout(jPanel7Layout);

jPanel7Layout.setHorizontalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel7Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton18, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton14, javax.swing.GroupLayout.DEFAULT\_SIZE, 189, Short.MAX\_VALUE))

.addGap(22, 22, 22)

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jButton15, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton16, javax.swing.GroupLayout.DEFAULT\_SIZE, 189, Short.MAX\_VALUE)))

.addGroup(jPanel7Layout.createSequentialGroup()

.addGap(120, 120, 120)

.addComponent(jButton17, javax.swing.GroupLayout.PREFERRED\_SIZE, 189, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(104, Short.MAX\_VALUE))

);

jPanel7Layout.setVerticalGroup(

jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel7Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton18)

.addComponent(jButton15))

.addGap(18, 18, 18)

.addGroup(jPanel7Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton14)

.addComponent(jButton16))

.addGap(18, 18, 18)

.addComponent(jButton17)

.addContainerGap(93, Short.MAX\_VALUE))

);

jTabbedPane1.addTab("Logs", jPanel7);

jButton9.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton9.setText("Trips In Date Range");

jButton9.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton9ActionPerformed(evt);

}

});

jButton10.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton10.setText("Reserved Offers");

jButton10.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton10ActionPerformed(evt);

}

});

jButton11.setFont(new java.awt.Font("sansserif", 0, 14)); // NOI18N

jButton11.setText("Branch Info");

jButton11.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton11ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel6Layout = new javax.swing.GroupLayout(jPanel6);

jPanel6.setLayout(jPanel6Layout);

jPanel6Layout.setHorizontalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel6Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jButton11, javax.swing.GroupLayout.PREFERRED\_SIZE, 199, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton10, javax.swing.GroupLayout.PREFERRED\_SIZE, 199, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jButton9, javax.swing.GroupLayout.PREFERRED\_SIZE, 199, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(300, 300, 300))

);

jPanel6Layout.setVerticalGroup(

jPanel6Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel6Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jButton9)

.addGap(18, 18, 18)

.addComponent(jButton10)

.addGap(18, 18, 18)

.addComponent(jButton11)

.addContainerGap(93, Short.MAX\_VALUE))

);

jTabbedPane1.addTab("Procedures", jPanel6);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(insertButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 72, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(insertButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 72, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(6, 6, 6))

.addComponent(jTabbedPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 510, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(0, 28, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jTabbedPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 246, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(insertButton)

.addComponent(insertButton1))

.addContainerGap(21, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void insertButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_insertButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_insertButtonActionPerformed

private void insertButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_insertButton1ActionPerformed

// TODO add your handling code here:

this.setVisible(false);

login.setVisible(true);

}//GEN-LAST:event\_insertButton1ActionPerformed

private void jButton5ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton5ActionPerformed

// TODO add your handling code here:

try {

GuideWorker frame = new GuideWorker();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton5ActionPerformed

private void jButton6ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton6ActionPerformed

// TODO add your handling code here:

try {

TripEvent frame = new TripEvent();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton6ActionPerformed

private void jButton7ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton7ActionPerformed

// TODO add your handling code here:

try {

Destination frame = new Destination();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton7ActionPerformed

private void jButton8ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton8ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

Reservations frame = new Reservations();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton8ActionPerformed

private void jButton13ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton13ActionPerformed

ItAdmin frame = new ItAdmin();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

}//GEN-LAST:event\_jButton13ActionPerformed

private void jButton15ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton15ActionPerformed

try {

// TODO add your handling code here:

Log\_Event frame = new Log\_Event();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton15ActionPerformed

private void jButton16ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton16ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

Log\_Reservation frame = new Log\_Reservation();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton16ActionPerformed

private void jButton17ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton17ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

Log\_Travel\_To frame = new Log\_Travel\_To();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton17ActionPerformed

private void jButton9ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton9ActionPerformed

// TODO add your handling code here:

ProcedureResults frame = new ProcedureResults();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

}//GEN-LAST:event\_jButton9ActionPerformed

private void jButton10ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton10ActionPerformed

// TODO add your handling code here:

ProcedureResults frame = new ProcedureResults();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

}//GEN-LAST:event\_jButton10ActionPerformed

private void jButton11ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton11ActionPerformed

// TODO add your handling code here:

BranchInfo frame = new BranchInfo();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

}//GEN-LAST:event\_jButton11ActionPerformed

private void jButton18ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton18ActionPerformed

try {

// TODO add your handling code here:

Log\_Trip frame = new Log\_Trip();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton18ActionPerformed

private void jButton14ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton14ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

Log\_Destination frame = new Log\_Destination();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton14ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

DriverWorker frame = new DriverWorker();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton3ActionPerformed

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

Branches frame = new Branches();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton1ActionPerformed

private void jButton4ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton4ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

AdminWorker frame = new AdminWorker();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton4ActionPerformed

private void jButton12ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton12ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

Offers frame = new Offers();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton12ActionPerformed

private void jButton19ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton19ActionPerformed

// TODO add your handling code here:

try {

// TODO add your handling code here:

ReservationOffers frame = new ReservationOffers();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton19ActionPerformed

private void jButton20ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton20ActionPerformed

try {

// TODO add your handling code here:

Travel\_To frame = new Travel\_To();

frame.setLocationRelativeTo(null);

frame.setVisible(true);

} catch (SQLException ex) {

ex.printStackTrace();

}

}//GEN-LAST:event\_jButton20ActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Menu.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new Menu().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton insertButton;

private javax.swing.JButton insertButton1;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton10;

private javax.swing.JButton jButton11;

private javax.swing.JButton jButton12;

private javax.swing.JButton jButton13;

private javax.swing.JButton jButton14;

private javax.swing.JButton jButton15;

private javax.swing.JButton jButton16;

private javax.swing.JButton jButton17;

private javax.swing.JButton jButton18;

private javax.swing.JButton jButton19;

private javax.swing.JButton jButton20;

private javax.swing.JButton jButton3;

private javax.swing.JButton jButton4;

private javax.swing.JButton jButton5;

private javax.swing.JButton jButton6;

private javax.swing.JButton jButton7;

private javax.swing.JButton jButton8;

private javax.swing.JButton jButton9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel5;

private javax.swing.JPanel jPanel6;

private javax.swing.JPanel jPanel7;

private javax.swing.JTabbedPane jTabbedPane1;

// End of variables declaration//GEN-END:variables

}

**Offers**

package classes;

import static classes.Login.conn;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import java.sql.Statement;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Offers extends javax.swing.JFrame {

public Offers() throws SQLException {

initComponents();

table\_load();

table\_load2();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT offer\_id,offer\_trip\_start\_date , offer\_trip\_end\_date ,Price\_per\_Person ,offer\_dst\_id from offers";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String offer\_id = String.valueOf(rs.getInt("offer\_id"));

String offer\_trip\_start\_date = rs.getString("offer\_trip\_start\_date");

String offer\_trip\_end\_date= rs.getString("offer\_trip\_end\_date");

String Price\_per\_Person = String.valueOf(rs.getInt("Price\_per\_Person"));

String offer\_dst\_id= String.valueOf(rs.getInt("offer\_dst\_id"));

String tbData[] = {offer\_id,offer\_trip\_start\_date , offer\_trip\_end\_date, Price\_per\_Person ,offer\_dst\_id};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT dst\_id , dst\_name, dst\_dscr , dst\_rtype FROM destination";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String dst\_id= String.valueOf(rs.getInt("dst\_id"));

String dst\_name= rs.getString("dst\_name");

String dst\_dscr = rs.getString("dst\_dscr");

String dst\_rtype = rs.getString("dst\_rtype");

String tbData[] = {dst\_name, dst\_dscr , dst\_rtype, dst\_id};

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel5 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

StartDateField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

StartEndField = new javax.swing.JTextField();

LnameField = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

PriceField = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

DeleteButton1 = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

SaveButton = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jLabel13 = new javax.swing.JLabel();

SearchField1 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Offers");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Offers", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("End Date");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Price");

StartDateField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

StartDateFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Destination ID");

StartEndField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

StartEndFieldActionPerformed(evt);

}

});

LnameField.setEditable(false);

LnameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LnameFieldActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel9.setText("Start Date");

PriceField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

PriceFieldActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 99, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel9, javax.swing.GroupLayout.PREFERRED\_SIZE, 99, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 71, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, 127, Short.MAX\_VALUE)))

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(StartDateField, javax.swing.GroupLayout.PREFERRED\_SIZE, 249, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(StartEndField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(LnameField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(PriceField, javax.swing.GroupLayout.DEFAULT\_SIZE, 249, Short.MAX\_VALUE)))

.addGap(19, 19, 19))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(20, 20, 20)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(StartDateField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE)

.addComponent(jLabel9))

.addGap(27, 27, 27)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(StartEndField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(35, 35, 35)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(PriceField, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 31, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(LnameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(16, 16, 16))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Offer ID", "Trip Start Date", "Trip End Date", "Price", "Destination ID"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Destinatio Name", "Discriber", "Type", "Destination ID"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

DeleteButton1.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton1.setText("Delete");

DeleteButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButton1ActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel13.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel13.setText("Offer ID");

SearchField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchField1ActionPerformed(evt);

}

});

SearchField1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchField1KeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 269, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 7, Short.MAX\_VALUE))

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel13))

.addContainerGap(18, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 124, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(34, 34, 34)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, 189, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(layout.createSequentialGroup()

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jScrollPane2, javax.swing.GroupLayout.DEFAULT\_SIZE, 852, Short.MAX\_VALUE)

.addComponent(jScrollPane1))

.addGap(0, 20, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 150, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 229, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(26, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void StartDateFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_StartDateFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_StartDateFieldActionPerformed

private void StartEndFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_StartEndFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_StartEndFieldActionPerformed

private void LnameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LnameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LnameFieldActionPerformed

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

StartDateField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

StartEndField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

LnameField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

SearchField1.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

StartDateField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

StartEndField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

PriceField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

LnameField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

}//GEN-LAST:event\_jTable1MouseClicked

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

StartDateField.setText("");

StartEndField.setText("");

PriceField.setText("");

LnameField.setText("");

SearchField1.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void DeleteButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButton1ActionPerformed

String search1 ;

search1 = SearchField1.getText();

try{

pst= conn.prepareStatement("delete from offers WHERE offer\_id =?");

pst.setString(1, search1);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Offer ID","Trip Start Date","Trip End Date","Price", "Destination ID"}));

table\_load();

StartDateField.setText("");

StartEndField.setText("");

PriceField.setText("");

LnameField.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButton1ActionPerformed

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String offer\_trip\_start\_date ,offer\_trip\_end\_date ,Price\_per\_Person ,offer\_dst\_id ;

offer\_trip\_start\_date = StartDateField.getText();

offer\_trip\_end\_date = StartEndField.getText();

Price\_per\_Person =PriceField.getText();

offer\_dst\_id = LnameField.getText();

String sr1 = SearchField1.getText();

try{

pst= conn.prepareStatement("update offers set offer\_trip\_start\_date=? , offer\_trip\_end\_date=? , Price\_per\_Person =?, offer\_dst\_id = ? WHERE offer\_id =?");

pst.setString(1,offer\_trip\_start\_date);

pst.setString(2,offer\_trip\_end\_date);

pst.setString(3,Price\_per\_Person);

pst.setString(4,offer\_dst\_id);

pst.setString(5,sr1);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Updated!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Offer ID","Trip Start Date","Trip End Date","Price", "Destination ID"}));

table\_load();

StartDateField.setText("");

StartEndField.setText("");

PriceField.setText("");

LnameField.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String offer\_trip\_start\_date ,offer\_trip\_end\_date ,Price\_per\_Person ,offer\_dst\_id ;

offer\_trip\_start\_date = StartDateField.getText();

offer\_trip\_end\_date = StartEndField.getText();

Price\_per\_Person =PriceField.getText();

offer\_dst\_id = LnameField.getText();

try{

pst= conn.prepareCall("insert into offers (offer\_trip\_start\_date,offer\_trip\_end\_date,Price\_per\_Person,offer\_dst\_id )values(?,?,?,?)");

pst.setString(1,offer\_trip\_start\_date);

pst.setString(2,offer\_trip\_end\_date);

pst.setString(3,Price\_per\_Person);

pst.setString(4,offer\_dst\_id);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Updated!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Offer ID","Trip Start Date","Trip End Date","Price", "Destination ID"}));

table\_load();

StartDateField.setText("");

StartEndField.setText("");

PriceField.setText("");

LnameField.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void SearchField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchField1ActionPerformed

private void SearchField1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchField1KeyReleased

}//GEN-LAST:event\_SearchField1KeyReleased

private void PriceFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_PriceFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_PriceFieldActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Offers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Offers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Offers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Offers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

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/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Offers().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Offers.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton1;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField LnameField;

private javax.swing.JTextField PriceField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField1;

private javax.swing.JTextField StartDateField;

private javax.swing.JTextField StartEndField;

private javax.swing.JButton UpdateButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

}

**ProcedureResults**

package classes;

import static classes.Login.\*;

import static classes.Menu.menu;

import java.sql.\*;

import javax.swing.table.\*;

public class ProcedureResults extends javax.swing.JFrame {

//private Connection conn;

private DefaultTableModel tmodel1;

private DefaultTableModel tmodel2\_1;

private DefaultTableModel tmodel2\_2;

public ProcedureResults() {

initComponents();

}

private int call\_search\_trip(int branch\_code, String start\_date, String end\_date){

try{

//create statement object

CallableStatement stmt = conn.prepareCall("{call search\_trip(?, ?, ?)}");

//set procedure input args

stmt.setInt(1, branch\_code);

stmt.setString(2, start\_date);

stmt.setString(3, end\_date);

//execute procedure

stmt.execute();

//process the results

ResultSet rs = stmt.getResultSet();

if(rs == null){

return -1;

}

ResultSetMetaData metaData = rs.getMetaData();

int columnCount = metaData.getColumnCount();

//prosthetw tis sthles tou sql pianaka sto TableModel mono gia tin prwti klisi tou procedure

if(tmodel1.getColumnCount() == 0){

tmodel1.addColumn("Trip Id");

tmodel1.addColumn("Cost");

tmodel1.addColumn("MaxSeats");

tmodel1.addColumn("Number Of Reservations");

tmodel1.addColumn("Empty Seats");

tmodel1.addColumn("Driver Lastname");

tmodel1.addColumn("Driver Name");

tmodel1.addColumn("Guide Lastname");

tmodel1.addColumn("Guide Name");

tmodel1.addColumn("Departure");

tmodel1.addColumn("Return");

}

//prosthetw tis grammes tou pinaka

Object[] row;

while (rs.next()) {

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++) {

row[i - 1] = rs.getString(i);

}

tmodel1.addRow(row);

}

//process the next result set(s) epeidi to stored procedure dinei pollous pinakes

while (stmt.getMoreResults()) {

rs = stmt.getResultSet();

while (rs.next()) {

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++) {

row[i - 1] = rs.getString(i);

}

tmodel1.addRow(row);

}

}

//close the resources

rs.close();

stmt.close();

return 0; //an den yparxei exception return 0

}catch (SQLException e) {

e.printStackTrace();

return 1; //an yparxei exception return 1

}

}

private int res\_names(String last\_name){

try{

//create statement object

CallableStatement stmt = conn.prepareCall("{call res\_names(?)}");

//set procedure input args

stmt.setString(1, last\_name);

//execute procedure

stmt.execute();

//process the results

ResultSet rs = stmt.getResultSet();

if(rs == null){

return -1; //epistrefw -1 otan exw kanei lathos to sql query

}

tmodel2\_1.addColumn("Offer Id");

tmodel2\_1.addColumn("Number Of Reserved Offers");

ResultSetMetaData metaData;

int columnCount = 0;

rs.next();

Object[] row;

//an exw pollapla reservations apo to idio epitheto gia kapoia reservations

if(rs.getString(1).equals("Reserved offers for last name")){

while (stmt.getMoreResults()) {

rs = stmt.getResultSet();

rs.next();

metaData = rs.getMetaData();

columnCount = metaData.getColumnCount();

if(rs.getString(1).equals("Reserved offers with one reservation per offer")){

break;

}

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++) {

row[i - 1] = rs.getString(i);

}

tmodel2\_1.addRow(row);

}

}

tmodel2\_2.addColumn("Name");

tmodel2\_2.addColumn("Last Name");

tmodel2\_2.addColumn("Offer Id");

//an exw ena reservations gia ena epitheto se kapoio offer

if(rs.getString(1).equals("Reserved offers with one reservation per offer")){

while (stmt.getMoreResults()) {

rs = stmt.getResultSet();

rs.next();

metaData = rs.getMetaData();

columnCount = metaData.getColumnCount();

row = new Object[columnCount];

for (int i = 1; i <= columnCount; i++) {

row[i - 1] = rs.getString(i);

}

tmodel2\_2.addRow(row);

}

}

//close the resources

rs.close();

stmt.close();

return 0; //an den yparxei exception return 0

}catch (SQLException e) {

e.printStackTrace();

return 1; //an yparxei exception return 1

}

}

//fortwnoume ton pinaka tmodel1 sto jTable1 tou parathiroumas

private void load\_data(DefaultTableModel model){

//set the model for the JTable1

jTable1.setModel(model);

}

private void load\_data(DefaultTableModel model1, DefaultTableModel model2){

//set the model for the JTable1 kai JTable2

jTable1.setModel(model1);

jTable2.setModel(model2);

}

//epistredei ton aritmo twn branches pou exei to travel\_agency

private int getDistBranchCount(){

int num\_of\_branches = 0;

try {

Statement stmt = conn.createStatement();

ResultSet rs = stmt.executeQuery("SELECT DISTINCT COUNT(br\_code) FROM branch");

rs.next();

num\_of\_branches = rs.getInt(1);

rs.close();

stmt.close();

} catch (SQLException e) {

e.printStackTrace();

}

return num\_of\_branches;

}

/\*\*

\* This method is called from within the constructor to initialize the form.

\* WARNING: Do NOT modify this code. The content of this method is always

\* regenerated by the Form Editor.

\*/

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jPanel1 = new javax.swing.JPanel();

jButton1 = new javax.swing.JButton();

jLabel1 = new javax.swing.JLabel();

jLabel2 = new javax.swing.JLabel();

start\_date = new javax.swing.JTextField();

end\_date = new javax.swing.JTextField();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jPanel2 = new javax.swing.JPanel();

jLabel6 = new javax.swing.JLabel();

last\_name = new javax.swing.JTextField();

jButton2 = new javax.swing.JButton();

jLabel3 = new javax.swing.JLabel();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jLabel7 = new javax.swing.JLabel();

jLabel8 = new javax.swing.JLabel();

jButton3 = new javax.swing.JButton();

backButton = new javax.swing.JButton();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jButton1.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jButton1.setText("Search Trips");

jButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton1ActionPerformed(evt);

}

});

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel1.setText("Start Date:");

jLabel2.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel2.setText("End Date:");

start\_date.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

start\_date.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

start\_dateActionPerformed(evt);

}

});

end\_date.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

end\_date.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

end\_dateActionPerformed(evt);

}

});

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

jLabel4.setText("(YYYY-MM-DD HH:MM:SS)");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

jLabel5.setText("(YYYY-MM-DD HH:MM:SS)");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("Last Name:");

last\_name.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

last\_name.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

last\_nameActionPerformed(evt);

}

});

jButton2.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jButton2.setText("Show Reserved Offers");

jButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton2ActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(jLabel6)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(last\_name, javax.swing.GroupLayout.PREFERRED\_SIZE, 251, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 113, Short.MAX\_VALUE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(63, 63, 63)

.addComponent(jButton2)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(66, 66, 66)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(last\_name, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(26, 26, 26)

.addComponent(jButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 48, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(78, Short.MAX\_VALUE))

);

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel1Layout.createSequentialGroup()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jLabel2, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 88, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(end\_date, javax.swing.GroupLayout.PREFERRED\_SIZE, 253, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(start\_date, javax.swing.GroupLayout.PREFERRED\_SIZE, 253, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(6, 6, 6)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel5)

.addComponent(jLabel4)))))

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 149, javax.swing.GroupLayout.PREFERRED\_SIZE))))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(start\_date, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel1))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel5)

.addGap(32, 32, 32)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(end\_date, javax.swing.GroupLayout.PREFERRED\_SIZE, 27, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel2))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel4)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 21, Short.MAX\_VALUE)

.addComponent(jButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 48, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

jLabel3.setFont(new java.awt.Font("Segoe UI", 0, 28)); // NOI18N

jLabel3.setText("Procedures");

jTable1.setAutoCreateRowSorter(true);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{},

{},

{},

{}

},

new String [] {

}

));

jScrollPane1.setViewportView(jTable1);

jTable2.setAutoCreateRowSorter(true);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{},

{},

{},

{}

},

new String [] {

}

));

jScrollPane2.setViewportView(jTable2);

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

jLabel7.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel7.setText(" ");

jLabel7.setToolTipText("");

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 18)); // NOI18N

jLabel8.setHorizontalAlignment(javax.swing.SwingConstants.CENTER);

jLabel8.setText(" ");

jButton3.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jButton3.setText("Clear");

jButton3.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

jButton3ActionPerformed(evt);

}

});

backButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

backButton.setText("Back");

backButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

backButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 377, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel3, javax.swing.GroupLayout.PREFERRED\_SIZE, 142, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jScrollPane1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, 839, Short.MAX\_VALUE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel7, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGap(15, 15, 15))

.addGroup(layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 208, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(194, 194, 194)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 123, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap())

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(12, 12, 12)

.addComponent(jLabel7)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 230, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jLabel8)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 230, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createSequentialGroup()

.addComponent(jLabel3)

.addGap(32, 32, 32)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 18, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jButton3, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(backButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 45, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void jButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton1ActionPerformed

// TODO add your handling code here:

jLabel7.setText("Trip in the given date range");

tmodel1 = new DefaultTableModel();

int num\_of\_branches = getDistBranchCount();

String start = start\_date.getText();

String end = end\_date.getText();

if(start.equals("") || end.equals("")){

return;

}

//call the stored procedure for all the branches;

for(int i=1; i<=num\_of\_branches; i++){

//an i synartisei petaksei exception kanw break

if(call\_search\_trip(i,start,end) == 1){

break;

}

}

load\_data(tmodel1);

}//GEN-LAST:event\_jButton1ActionPerformed

private void end\_dateActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_end\_dateActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_end\_dateActionPerformed

private void start\_dateActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_start\_dateActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_start\_dateActionPerformed

private void last\_nameActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_last\_nameActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_last\_nameActionPerformed

private void jButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton2ActionPerformed

// TODO add your handling code here:

tmodel2\_1 = new DefaultTableModel();

tmodel2\_2 = new DefaultTableModel();

String lname = last\_name.getText();

jLabel7.setText("Reserved offers for costumers with the lastname " + lname);

jLabel8.setText("Reserved offers for costumers with one reservation per offer");

res\_names(lname);

load\_data(tmodel2\_1, tmodel2\_2);

}//GEN-LAST:event\_jButton2ActionPerformed

private void jButton3ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_jButton3ActionPerformed

// TODO add your handling code here:

jLabel7.setText(" ");

jLabel8.setText(" ");

//clear JTables

DefaultTableModel model = new DefaultTableModel();

jTable1.setModel(model);

jTable2.setModel(model);

}//GEN-LAST:event\_jButton3ActionPerformed

private void backButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_backButtonActionPerformed

// TODO add your handling code here:

this.dispose();

menu.requestFocus();

}//GEN-LAST:event\_backButtonActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ProcedureResults.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ProcedureResults.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ProcedureResults.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ProcedureResults.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

//</editor-fold>

//</editor-fold>

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

new ProcedureResults().setVisible(true);

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton backButton;

private javax.swing.JTextField end\_date;

private javax.swing.JButton jButton1;

private javax.swing.JButton jButton2;

private javax.swing.JButton jButton3;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel3;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JTextField last\_name;

private javax.swing.JTextField start\_date;

// End of variables declaration//GEN-END:variables

}

**ReservationOffers**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class ReservationOffers extends javax.swing.JFrame {

public ReservationOffers() throws SQLException {

initComponents();

table\_load();

table\_load2();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT rsv\_id , rsv\_name ,rsv\_lastname ,deposit\_amount ,rsv\_offer\_id FROM reservation\_offers";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String rsv\_id = String.valueOf(rs.getInt("rsv\_id"));

String rsv\_name= rs.getString("rsv\_name");

String rsv\_lastname = rs.getString("rsv\_lastname");

String deposit\_amount= String.valueOf(rs.getInt("deposit\_amount"));

String rsv\_offer\_id = String.valueOf(rs.getInt("rsv\_offer\_id"));

String tbData[] = {rsv\_id , rsv\_name, rsv\_lastname ,deposit\_amount ,rsv\_offer\_id};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT offer\_id ,offer\_trip\_start\_date , offer\_trip\_end\_date ,Price\_per\_Person , dst\_name from offers INNER JOIN destination ON dst\_id = offer\_dst\_id ";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String offer\_id = String.valueOf(rs.getInt("offer\_id"));

String offer\_trip\_start\_date = rs.getString("offer\_trip\_start\_date");

String offer\_trip\_end\_date = rs.getString("offer\_trip\_end\_date");

String Price\_per\_Person = String.valueOf(rs.getInt("Price\_per\_Person"));

String dst\_name = rs.getString("dst\_name");

String tbData[] = {offer\_id, offer\_trip\_start\_date, offer\_trip\_end\_date,Price\_per\_Person , dst\_name};

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

NameField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

DepositField = new javax.swing.JTextField();

IDField = new javax.swing.JTextField();

LastField = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

DeleteButton1 = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

SaveButton = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jLabel13 = new javax.swing.JLabel();

SearchField1 = new javax.swing.JTextField();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Reservation Offers");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Destination", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Name");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("Last Name");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Deposit");

NameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

NameFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Offer ID");

DepositField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DepositFieldActionPerformed(evt);

}

});

IDField.setEditable(false);

IDField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

IDFieldActionPerformed(evt);

}

});

LastField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LastFieldActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 88, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel5, javax.swing.GroupLayout.PREFERRED\_SIZE, 129, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 26, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(IDField, javax.swing.GroupLayout.PREFERRED\_SIZE, 253, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(DepositField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 253, Short.MAX\_VALUE)

.addComponent(NameField, javax.swing.GroupLayout.Alignment.TRAILING))))

.addGroup(jPanel3Layout.createSequentialGroup()

.addComponent(jLabel6)

.addGap(61, 61, 61)

.addComponent(LastField)))

.addGap(19, 19, 19))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(NameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(LastField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(DepositField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(19, 19, 19)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(IDField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(23, 23, 23))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"ID", "Name", "Last Name", "Deposit Amount", "Offer ID "

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Offer ID", "Name", "Start Date", "End Date", "Price", "Destination"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

DeleteButton1.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton1.setText("Delete");

DeleteButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButton1ActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel13.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel13.setText("Reservation ID");

SearchField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchField1ActionPerformed(evt);

}

});

SearchField1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchField1KeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addComponent(jLabel13, javax.swing.GroupLayout.PREFERRED\_SIZE, 130, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(49, 49, 49)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 218, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(16, Short.MAX\_VALUE))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 124, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 305, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 688, Short.MAX\_VALUE)

.addComponent(jScrollPane2))

.addGap(16, 16, 16))))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGap(18, 18, 18)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(87, 87, 87)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 259, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(27, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void NameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_NameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_NameFieldActionPerformed

private void DepositFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DepositFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DepositFieldActionPerformed

private void IDFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_IDFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_IDFieldActionPerformed

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

IDField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

SearchField1.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

NameField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

LastField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

DepositField.setText(model.getValueAt(selectedRowIndex ,3).toString());

IDField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

}//GEN-LAST:event\_jTable1MouseClicked

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

LastField.setText("");

NameField.setText("");

DepositField.setText("");

IDField.setText("");

SearchField1.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void DeleteButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButton1ActionPerformed

String search1;

search1 = SearchField1.getText();

try{

pst= conn.prepareStatement("delete from reservation\_offers WHERE rsv\_id =?");

pst.setString(1, search1);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"ID","Name","Last Name","Deposit Amoun","Offer ID "}));

table\_load();

LastField.setText("");

NameField.setText("");

DepositField.setText("");

IDField.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButton1ActionPerformed

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String rsv\_name ,rsv\_lastname , deposit\_amount, rsv\_offer\_id , sr1 ;

rsv\_name = NameField.getText();

rsv\_lastname = LastField.getText();

deposit\_amount = DepositField.getText();

rsv\_offer\_id = IDField.getText();

sr1 = SearchField1.getText();

try{

pst= conn.prepareStatement("update reservation\_offers set rsv\_name=? , rsv\_lastname =?, deposit\_amount = ? , rsv\_offer\_id =? WHERE rsv\_id =? ");

pst.setString(1,rsv\_name);

pst.setString(2,rsv\_lastname);

pst.setString(3,deposit\_amount);

pst.setString(4, rsv\_offer\_id);

pst.setString(5,sr1);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Updated!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"ID","Name","Last Name","Deposit Amoun","Offer ID "}));

table\_load();

LastField.setText("");

NameField.setText("");

DepositField.setText("");

IDField.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String rsv\_name ,rsv\_lastname , deposit\_amount, rsv\_offer\_id ;

rsv\_name = NameField.getText();

rsv\_lastname = LastField.getText();

deposit\_amount = DepositField.getText();

rsv\_offer\_id = IDField.getText();

try{

pst= conn.prepareCall("insert into reservation\_offers (rsv\_name, rsv\_lastname , deposit\_amount , rsv\_offer\_id)values(?,?,?,?)");

pst.setString(1,rsv\_name);

pst.setString(2,rsv\_lastname);

pst.setString(3,deposit\_amount);

pst.setString(4,rsv\_offer\_id);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"ID","Name","Last Name","Deposit Amoun","Offer ID "}));

table\_load();

LastField.setText("");

NameField.setText("");

DepositField.setText("");

IDField.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void SearchField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchField1ActionPerformed

private void SearchField1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchField1KeyReleased

}//GEN-LAST:event\_SearchField1KeyReleased

private void LastFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LastFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LastFieldActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(ReservationOffers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(ReservationOffers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(ReservationOffers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(ReservationOffers.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

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//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new ReservationOffers().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(ReservationOffers.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton1;

private javax.swing.JTextField DepositField;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField IDField;

private javax.swing.JTextField LastField;

private javax.swing.JTextField NameField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField1;

private javax.swing.JButton UpdateButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

}

**Reservations**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Reservations extends javax.swing.JFrame {

public Reservations() throws SQLException {

initComponents();

table\_load();

table\_load2();

}

PreparedStatement pst;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT res\_tr\_id , res\_seatnum ,res\_name ,res\_lname,res\_isadult FROM reservation";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String res\_tr\_id = String.valueOf(rs.getInt("res\_tr\_id"));

String res\_seatnum= String.valueOf(rs.getInt("res\_seatnum"));

String res\_name = rs.getString("res\_name");

String res\_lname= rs.getString("res\_lname");

String res\_isadult = rs.getString("res\_isadult");

String tbData[] = {res\_tr\_id , res\_seatnum, res\_name ,res\_lname ,res\_isadult};

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT tr\_id ,tr\_departure, tr\_return ,dst\_name from trip INNER JOIN travel\_to ON tr\_id = to\_tr\_id INNER JOIN destination ON to\_dst\_id = dst\_id";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String tr\_id= String.valueOf(rs.getInt("tr\_id"));

String tr\_departure= rs.getString("tr\_departure");

String tr\_return= rs.getString("tr\_return");

String dst\_nam= rs.getString("dst\_name");

String tbData[] = {tr\_id, dst\_nam, tr\_departure,tr\_return};

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

SeatNumberField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

NameField = new javax.swing.JTextField();

DestinationIDField = new javax.swing.JTextField();

LnameField = new javax.swing.JTextField();

TypeBox = new javax.swing.JComboBox<>();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

DeleteButton1 = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

SaveButton = new javax.swing.JButton();

jPanel4 = new javax.swing.JPanel();

jLabel13 = new javax.swing.JLabel();

SearchField1 = new javax.swing.JTextField();

SearchField2 = new javax.swing.JTextField();

jLabel14 = new javax.swing.JLabel();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Reservation");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Destination", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Trip ID");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Seat Number");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("Adult / Minor");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Name");

SeatNumberField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SeatNumberFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Laname");

NameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

NameFieldActionPerformed(evt);

}

});

DestinationIDField.setEditable(false);

LnameField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

LnameFieldActionPerformed(evt);

}

});

TypeBox.setModel(new javax.swing.DefaultComboBoxModel<>(new String[] { "ADULT", "MINOR" }));

TypeBox.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

TypeBoxActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel8, javax.swing.GroupLayout.PREFERRED\_SIZE, 88, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel4, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel5, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel6))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(NameField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(TypeBox, javax.swing.GroupLayout.Alignment.TRAILING, 0, 273, Short.MAX\_VALUE)

.addComponent(SeatNumberField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(DestinationIDField, javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(LnameField))

.addGap(19, 19, 19))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(DestinationIDField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(SeatNumberField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(TypeBox, javax.swing.GroupLayout.DEFAULT\_SIZE, 33, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(NameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(19, 19, 19)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(LnameField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(16, 16, 16))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Seat Number", "Name", "Last Name", " Is Adult "

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Name", "Departure", "Return"

}

) {

boolean[] canEdit = new boolean [] {

false, false, true, true

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

DeleteButton1.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton1.setText("Delete");

DeleteButton1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButton1ActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

jPanel4.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel13.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel13.setText("Trip ID");

SearchField1.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchField1ActionPerformed(evt);

}

});

SearchField1.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchField1KeyReleased(evt);

}

});

SearchField2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchField2ActionPerformed(evt);

}

});

SearchField2.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchField2KeyReleased(evt);

}

});

jLabel14.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel14.setText("SeatNumber");

javax.swing.GroupLayout jPanel4Layout = new javax.swing.GroupLayout(jPanel4);

jPanel4.setLayout(jPanel4Layout);

jPanel4Layout.setHorizontalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jLabel13, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel14, javax.swing.GroupLayout.DEFAULT\_SIZE, 130, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(SearchField1, javax.swing.GroupLayout.DEFAULT\_SIZE, 269, Short.MAX\_VALUE)

.addComponent(SearchField2))

.addGap(0, 0, Short.MAX\_VALUE))

);

jPanel4Layout.setVerticalGroup(

jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel4Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel13)

.addComponent(SearchField1, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addGroup(jPanel4Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SearchField2, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel14))

.addContainerGap())

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addGroup(layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 126, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(32, 32, 32)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 124, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 34, Short.MAX\_VALUE)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jLabel1, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.PREFERRED\_SIZE, 189, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jPanel3, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel4, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 17, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 934, Short.MAX\_VALUE)

.addComponent(jScrollPane2))

.addContainerGap(17, Short.MAX\_VALUE))

.addGroup(layout.createSequentialGroup()

.addGap(88, 88, 88)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(59, 59, 59)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 127, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, layout.createSequentialGroup()

.addGap(33, 33, 33)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 298, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 121, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 108, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton1, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(34, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void SeatNumberFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SeatNumberFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SeatNumberFieldActionPerformed

private void NameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_NameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_NameFieldActionPerformed

private void LnameFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_LnameFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_LnameFieldActionPerformed

private void TypeBoxActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_TypeBoxActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_TypeBoxActionPerformed

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

DestinationIDField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

DestinationIDField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

SeatNumberField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

String type = model.getValueAt(selectedRowIndex ,4 ).toString();

NameField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

LnameField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

SearchField1.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

SearchField2.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

for (int i = 0 ; i < TypeBox.getItemCount(); i++){

if(TypeBox.getItemAt(i).toString().equalsIgnoreCase( type)){

TypeBox.setSelectedIndex(i);

}

}

}//GEN-LAST:event\_jTable1MouseClicked

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

DestinationIDField.setText("");

SeatNumberField.setText("");

NameField.setText("");

LnameField.setText("");

SearchField1.setText("");

SearchField1.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void DeleteButton1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButton1ActionPerformed

String search1, search2 ;

search1 = SearchField1.getText();

search2 = SearchField2.getText();

try{

pst= conn.prepareStatement("delete from reservation WHERE res\_tr\_id =? and res\_seatnum =?");

pst.setString(1, search1);

pst.setString(2, search2);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Seat Number","Name","Last Name","IS Adult"}));

table\_load();

DestinationIDField.setText("");

SeatNumberField.setText("");

NameField.setText("");

LnameField.setText("");

SearchField1.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButton1ActionPerformed

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String res\_tr\_id ,res\_seatnum ,res\_name ,res\_lname,res\_isadult ,search1 , search2 ;

String tr\_maxseats = null;

res\_tr\_id = DestinationIDField.getText();

res\_seatnum = SeatNumberField.getText();

res\_isadult = TypeBox.getSelectedItem().toString();TypeBox.getSelectedItem().toString();

res\_name= NameField.getText();

res\_lname = LnameField.getText();

search1 = SearchField1.getText();

search2 = SearchField2.getText();

String sr1 = SearchField1.getText();

try{

pst = conn.prepareStatement("SELECT tr\_maxseats from trip WHERE tr\_id =?");

pst.setString(1 , sr1);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

tr\_maxseats = rs.getString(1);

}

if ( Integer.valueOf(res\_seatnum) > Integer.valueOf(tr\_maxseats) ){

JOptionPane.showMessageDialog(null , "Seat Number Bigger than the availables");

}

pst= conn.prepareStatement("update reservation set res\_tr\_id=? , res\_seatnum=? , res\_name =?, res\_lname = ? , res\_isadult =? WHERE res\_tr\_id =? and res\_seatnum =?");

pst.setString(1,res\_tr\_id);

pst.setString(2,res\_seatnum);

pst.setString(3,res\_name);

pst.setString(4,res\_lname);

pst.setString(5, res\_isadult);

pst.setString(6,search1);

pst.setString(7,search2);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Updated!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Seat Number","Name","Last Name","IS Adult"}));

table\_load();

DestinationIDField.setText("");

SeatNumberField.setText("");

NameField.setText("");

LnameField.setText("");

SearchField1.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String res\_tr\_id , res\_seatnum ,res\_name ,res\_lname,res\_isadult ;

String tr\_maxseats = null;

res\_tr\_id = DestinationIDField.getText();

res\_seatnum = SeatNumberField.getText();

res\_isadult = TypeBox.getSelectedItem().toString();TypeBox.getSelectedItem().toString();

res\_name= NameField.getText();

res\_lname = LnameField.getText();

String sr1 = DestinationIDField.getText();

try{

pst = conn.prepareStatement("SELECT tr\_maxseats from trip WHERE tr\_id =?");

pst.setString(1 , sr1);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

tr\_maxseats = rs.getString(1);

}

if ( Integer.valueOf(res\_seatnum) > Integer.valueOf(tr\_maxseats) ){

JOptionPane.showMessageDialog(null , "Seat Number Bigger than the availables");

}

pst= conn.prepareCall("insert into reservation (res\_tr\_id,res\_seatnum,res\_name,res\_lname,res\_isadult )values(?,?,?,?,?)");

pst.setString(1,res\_tr\_id);

pst.setString(2,res\_seatnum);

pst.setString(3,res\_name);

pst.setString(4,res\_lname);

pst.setString(5,res\_isadult);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable1.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Seat Number","Name","Last Name","IS Adult"}));

table\_load();

DestinationIDField.setText("");

SeatNumberField.setText("");

NameField.setText("");

LnameField.setText("");

SearchField1.setText("");

SearchField1.setText("");

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void SearchField1ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchField1ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchField1ActionPerformed

private void SearchField1KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchField1KeyReleased

}//GEN-LAST:event\_SearchField1KeyReleased

private void SearchField2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchField2ActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchField2ActionPerformed

private void SearchField2KeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchField2KeyReleased

try{

String sr1 = SearchField1.getText();

String sr2 = SearchField2.getText();

pst = conn.prepareStatement("SELECT ev\_tr\_id , ev\_start, ev\_end, ev\_descr FROM reservation WHERE ev\_tr\_id =? and ev\_start =?");

pst.setString(1 , sr1);

pst.setString(2 , sr2);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String res\_tr\_id = rs.getString(1);

String res\_seatnum = rs.getString(2);

String res\_name= rs.getString(3);

String res\_lname = rs.getString(4);

String res\_isadult = rs.getString(5);

DestinationIDField.setText(res\_tr\_id);

SeatNumberField.setText(res\_seatnum);

NameField.setText(res\_name);

LnameField.setText(res\_lname);

for (int i = 0 ; i < TypeBox.getItemCount(); i++){

if(TypeBox.getItemAt(i).toString().equalsIgnoreCase(res\_isadult)){

TypeBox.setSelectedIndex(i);

}

}

}else{

DestinationIDField.setText("");

SeatNumberField.setText("");

NameField.setText("");

LnameField.setText("");

SearchField1.setText("");

SearchField1.setText("");

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchField2KeyReleased

public static void main(String args[]) {

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Reservations().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Reservations.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton1;

private javax.swing.JTextField DestinationIDField;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField LnameField;

private javax.swing.JTextField NameField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField1;

private javax.swing.JTextField SearchField2;

private javax.swing.JTextField SeatNumberField;

private javax.swing.JComboBox<String> TypeBox;

private javax.swing.JButton UpdateButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel13;

private javax.swing.JLabel jLabel14;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel4;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

// End of variables declaration//GEN-END:variables

}

**Travel\_To**

package classes;

import static classes.Login.\*;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class Travel\_To extends javax.swing.JFrame {

public Travel\_To() throws SQLException {

initComponents();

table\_load();

table\_load2();

table\_load3();

}

PreparedStatement pst;

CallableStatement cs;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT to\_tr\_id , to\_dst\_id ,to\_arrival ,to\_departure FROM travel\_to";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String to\_tr\_id = rs.getString("to\_tr\_id");

String to\_dst\_id= rs.getString("to\_dst\_id");

String to\_arrival = rs.getString("to\_arrival");

String to\_departure = rs.getString("to\_departure");

String tbData[] = {to\_tr\_id , to\_dst\_id, to\_arrival , to\_departure };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load2() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT tr\_id, tr\_departure , tr\_return ,tr\_br\_code FROM trip";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String tr\_id = rs.getString("tr\_id");

String tr\_departure= rs.getString("tr\_departure");

String tr\_return = rs.getString("tr\_return");

String tr\_br\_code = String.valueOf(rs.getInt("tr\_br\_code"));

String tbData[] = {tr\_id, tr\_departure, tr\_return , tr\_br\_code };

DefaultTableModel tblModel = (DefaultTableModel)jTable1.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load3() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT dst\_id , dst\_name FROM destination";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String dst\_id = String.valueOf(rs.getInt("dst\_id"));

String dst\_name = rs.getString("dst\_name");

String tbData[] = {dst\_id , dst\_name };

DefaultTableModel tblModel = (DefaultTableModel)jTable3.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

DepartureField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

TripField = new javax.swing.JTextField();

ArrivalField = new javax.swing.JTextField();

DestinationField = new javax.swing.JTextField();

jScrollPane1 = new javax.swing.JScrollPane();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jPanel9 = new javax.swing.JPanel();

jLabel23 = new javax.swing.JLabel();

SearchTripField = new javax.swing.JTextField();

DestinationSField = new javax.swing.JTextField();

jLabel24 = new javax.swing.JLabel();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

DeleteButton = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

SaveButton = new javax.swing.JButton();

jScrollPane3 = new javax.swing.JScrollPane();

jTable3 = new javax.swing.JTable();

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Travel To");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Trip", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("Arrival Time");

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel11.setText("Departure End");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Trip ID");

DepartureField.setText("YYYY-MM-DD HH:MM:SS");

DepartureField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DepartureFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Destination ID");

TripField.setEditable(false);

TripField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

TripFieldActionPerformed(evt);

}

});

ArrivalField.setText("YYYY-MM-DD HH:MM:SS");

ArrivalField.setToolTipText("");

ArrivalField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ArrivalFieldActionPerformed(evt);

}

});

DestinationField.setEditable(false);

DestinationField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DestinationFieldActionPerformed(evt);

}

});

DestinationField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

DestinationFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel7, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel11))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, 17, Short.MAX\_VALUE)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(DestinationField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 247, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(TripField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 247, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DepartureField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 247, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ArrivalField, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 247, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap())

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(ArrivalField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel11)

.addComponent(DepartureField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(TripField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(DestinationField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addContainerGap(24, Short.MAX\_VALUE))

);

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Departure", "Return", "Branch Code"

}

));

jTable1.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable1MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable1);

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Destination ID", "Time Arrival", "Time Departure"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.setToolTipText("");

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane2.setViewportView(jTable2);

jPanel9.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel23.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel23.setText("Trip ID");

SearchTripField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchTripFieldActionPerformed(evt);

}

});

SearchTripField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchTripFieldKeyReleased(evt);

}

});

DestinationSField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DestinationSFieldActionPerformed(evt);

}

});

DestinationSField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

DestinationSFieldKeyReleased(evt);

}

});

jLabel24.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel24.setText("Destination ID");

javax.swing.GroupLayout jPanel9Layout = new javax.swing.GroupLayout(jPanel9);

jPanel9.setLayout(jPanel9Layout);

jPanel9Layout.setHorizontalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel9Layout.createSequentialGroup()

.addContainerGap(31, Short.MAX\_VALUE)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel23, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel24))

.addGap(42, 42, 42)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(SearchTripField, javax.swing.GroupLayout.PREFERRED\_SIZE, 218, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DestinationSField, javax.swing.GroupLayout.PREFERRED\_SIZE, 218, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(21, 21, 21))

);

jPanel9Layout.setVerticalGroup(

jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel9Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel23)

.addComponent(SearchTripField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel9Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(DestinationSField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel24))

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

);

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

jTable3.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Destination ID", "Name"

}

) {

boolean[] canEdit = new boolean [] {

false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable3.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable3MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable3);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(14, 14, 14)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel3, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 162, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 104, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(30, 30, 30)

.addComponent(UpdateButton2)

.addGap(42, 42, 42)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(50, 50, 50)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 105, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(50, 50, 50)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 483, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jScrollPane3))

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 968, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(18, Short.MAX\_VALUE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap()

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 38, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(layout.createSequentialGroup()

.addComponent(jScrollPane2, javax.swing.GroupLayout.PREFERRED\_SIZE, 128, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane1, javax.swing.GroupLayout.DEFAULT\_SIZE, 119, Short.MAX\_VALUE)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))))

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addGap(18, 50, Short.MAX\_VALUE)

.addGroup(layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 78, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 75, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(30, 30, 30))

.addGroup(layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(jPanel9, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addContainerGap())))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void DepartureFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DepartureFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DepartureFieldActionPerformed

private void TripFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_TripFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_TripFieldActionPerformed

private void ArrivalFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ArrivalFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_ArrivalFieldActionPerformed

private void DestinationFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DestinationFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DestinationFieldActionPerformed

private void DestinationFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_DestinationFieldKeyReleased

// TODO add your handling code here:

}//GEN-LAST:event\_DestinationFieldKeyReleased

private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable1MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable1.getModel();

int selectedRowIndex = jTable1.getSelectedRow();

TripField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable1MouseClicked

private void SearchTripFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchTripFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchTripFieldActionPerformed

private void SearchTripFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchTripFieldKeyReleased

}//GEN-LAST:event\_SearchTripFieldKeyReleased

private void DestinationSFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DestinationSFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DestinationSFieldActionPerformed

private void DestinationSFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_DestinationSFieldKeyReleased

try{

String sr1 = SearchTripField.getText();

String sr2 = DestinationSField.getText();

pst = conn.prepareStatement("SELECT to\_tr\_id , to\_dst\_id, to\_arrival, to\_departure FROM travel\_to WHERE to\_tr\_id =? and to\_dst\_id =?");

pst.setString(1 , sr1);

pst.setString(2 , sr2);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String to\_tr\_id = rs.getString(1);

String to\_dst\_id = rs.getString(2);

String to\_arrival = rs.getString(3);

String to\_departure = rs.getString(4);

TripField.setText(to\_tr\_id);

DestinationField.setText(to\_dst\_id);

ArrivalField.setText(to\_arrival);

DepartureField.setText( to\_departure);

}else{

ArrivalField.setText("");

DepartureField.setText("");

TripField.setText("");

DestinationField.setText("");

SearchTripField.setText("");

DestinationSField.setText("");

}

}catch(SQLException e){

System.out.println(e.getMessage());

}

}//GEN-LAST:event\_DestinationSFieldKeyReleased

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

ArrivalField.setText("");

DepartureField.setText("");

TripField.setText("");

DestinationField.setText("");

SearchTripField.setText("");

DestinationSField.setText("");

}//GEN-LAST:event\_ClearButtonActionPerformed

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String search1 , search2;

search1 = SearchTripField.getText();

search2 = DestinationSField.getText();

try{

pst= conn.prepareStatement("delete from travel\_to WHERE to\_tr\_id =? and to\_dst\_id=? ");

pst.setString(1, search1);

pst.setString(2, search2);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Destination ID","Time Arrival","Time Departure"}));

table\_load();

ArrivalField.setText("");

DepartureField.setText("");

TripField.setText("");

DestinationField.setText("");

SearchTripField.setText("");

DestinationSField.setText("");

}catch(SQLException e){

System.out.println(e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String to\_tr\_id ,to\_dst\_id , to\_arrival ,to\_departure ,search1 ,search2 ;

to\_dst\_id =DestinationField.getText();

to\_arrival = ArrivalField.getText();

to\_departure= DepartureField.getText();

to\_tr\_id = TripField.getText();

search1 = SearchTripField.getText();

search2 = DestinationSField.getText();

try{

pst= conn.prepareStatement("update travel\_TO set to\_tr\_id =? ,to\_dst\_id=? , to\_arrival=?, to\_departure=? WHERE to\_tr\_id =? and to\_dst\_id =?");

pst.setString(1,to\_tr\_id);

pst.setString(2,to\_dst\_id);

pst.setString(3,to\_arrival);

pst.setString(4,to\_departure);

pst.setString(5,search1);

pst.setString(6,search2);

pst.executeUpdate();

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Destination ID","Time Arrival","Time Departure"}));

table\_load();

ArrivalField.setText("");

DepartureField.setText("");

TripField.setText("");

DestinationField.setText("");

SearchTripField.setText("");

DestinationSField.setText("");

}catch(SQLException e){

System.out.println(e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String to\_tr\_id ,to\_dst\_id , to\_arrival ,to\_departure ;

to\_dst\_id = DestinationField.getText();

to\_arrival = ArrivalField.getText();

to\_departure= DepartureField.getText();

to\_tr\_id = TripField.getText();

try{

cs= conn.prepareCall("insert into travel\_to (to\_tr\_id,to\_dst\_id,to\_arrival,to\_departure)values(?,?,?,?)");

cs.setString(1,to\_tr\_id );

cs.setString(2,to\_dst\_id);

cs.setString(3,to\_arrival);

cs.setString(4,to\_departure);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID","Destination ID","Time Arrival","Time Departure"}));

table\_load();

ArrivalField.setText("");

DepartureField.setText("");

TripField.setText("");

DestinationField.setText("");

SearchTripField.setText("");

DestinationSField.setText("");

}catch(SQLException e){

System.out.println(e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void jTable3MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable3MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable3.getModel();

int selectedRowIndex = jTable3.getSelectedRow();

DestinationField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTable3MouseClicked

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

TripField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

SearchTripField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

DestinationField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

DestinationSField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

ArrivalField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

DepartureField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

/\* Set the Nimbus look and feel \*/

//<editor-fold defaultstate="collapsed" desc=" Look and feel setting code (optional) ">

/\* If Nimbus (introduced in Java SE 6) is not available, stay with the default look and feel.

\* For details see http://download.oracle.com/javase/tutorial/uiswing/lookandfeel/plaf.html

\*/

try {

for (javax.swing.UIManager.LookAndFeelInfo info : javax.swing.UIManager.getInstalledLookAndFeels()) {

if ("Nimbus".equals(info.getName())) {

javax.swing.UIManager.setLookAndFeel(info.getClassName());

break;

}

}

} catch (ClassNotFoundException ex) {

java.util.logging.Logger.getLogger(Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (InstantiationException ex) {

java.util.logging.Logger.getLogger(Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (IllegalAccessException ex) {

java.util.logging.Logger.getLogger(Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

} catch (javax.swing.UnsupportedLookAndFeelException ex) {

java.util.logging.Logger.getLogger(Travel\_To.class.getName()).log(java.util.logging.Level.SEVERE, null, ex);

}

//</editor-fold>

/\* Create and display the form \*/

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new Travel\_To().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(Travel\_To.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JTextField ArrivalField;

private javax.swing.JButton ClearButton;

private javax.swing.JButton DeleteButton;

private javax.swing.JTextField DepartureField;

private javax.swing.JTextField DestinationField;

private javax.swing.JTextField DestinationSField;

private javax.swing.JButton ExitButton;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchTripField;

private javax.swing.JTextField TripField;

private javax.swing.JButton UpdateButton2;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel23;

private javax.swing.JLabel jLabel24;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JPanel jPanel3;

private javax.swing.JPanel jPanel9;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JTable jTable3;

// End of variables declaration//GEN-END:variables

}

**TripEvent**

package classes;

import static classes.Login.conn;

import java.sql.\*;

import java.util.logging.Level;

import java.util.logging.Logger;

import javax.swing.JOptionPane;

import javax.swing.table.DefaultTableModel;

public class TripEvent extends javax.swing.JFrame {

public TripEvent() throws SQLException {

initComponents();

table\_load();

table\_load\_Branches();

}

PreparedStatement pst;

PreparedStatement pst1;

PreparedStatement pst2;

CallableStatement cs;

public void table\_load() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT \* FROM trip";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String tr\_id= String.valueOf(rs.getInt("tr\_id"));

String tr\_departure = rs.getString("tr\_departure");

String tr\_return = rs.getString("tr\_return");

String tr\_maxseats = String.valueOf(rs.getInt("tr\_maxseats"));

String cost = String.valueOf(rs.getFloat("tr\_cost"));

String tr\_br\_code = String.valueOf(rs.getInt("tr\_br\_code"));

String tr\_gui\_AT = rs.getString("tr\_gui\_AT");

String tr\_drv\_AT = rs.getString("tr\_drv\_AT");

String tbData[] = {tr\_id , tr\_departure, tr\_return, tr\_maxseats , cost , tr\_br\_code, tr\_gui\_AT ,tr\_drv\_AT };

DefaultTableModel tblModel = (DefaultTableModel)jTable2.getModel();

tblModel.addRow(tbData);

}

}

public void table\_loadDriver(String bf) throws SQLException {

pst1 = conn.prepareStatement("SELECT wrk\_AT ,wrk\_name,wrk\_lname,wrk\_br\_code, drv\_route FROM worker INNER JOIN driver ON drv\_AT = wrk\_AT WHERE wrk\_br\_code =?");

pst1.setString(1,bf);

ResultSet rs = pst1.executeQuery();

while(rs.next()){

String at= rs.getString("wrk\_AT");

String name = rs.getString("wrk\_name");

String laname = rs.getString("wrk\_lname");

String code = String.valueOf(rs.getInt("wrk\_br\_code"));

String route = rs.getString("drv\_route");

String tbData[] = {at,name,laname,code,route};

DefaultTableModel tblModel = (DefaultTableModel)jTabledriver.getModel();

tblModel.addRow(tbData);

}

}

public void table\_loadGuide(String bf) throws SQLException {

pst2 = conn.prepareStatement( "SELECT wrk\_AT ,wrk\_name,wrk\_lname,wrk\_br\_code, lng\_language FROM worker INNER JOIN languages ON lng\_gui\_AT = wrk\_AT WHERE wrk\_br\_code =?");

pst2.setString(1,bf);

ResultSet rs = pst2.executeQuery();

while(rs.next()){

String at= rs.getString("wrk\_AT");

String name = rs.getString("wrk\_name");

String laname = rs.getString("wrk\_lname");

String code = String.valueOf(rs.getInt("wrk\_br\_code"));

String route =rs.getString("lng\_language");

String tbData[] = {at,name,laname,code,route};

DefaultTableModel tblModel = (DefaultTableModel)jTableguide.getModel();

tblModel.addRow(tbData);

}

}

public void table\_load\_Branches() throws SQLException {

Statement st = conn.createStatement();

String table\_sql = "SELECT br\_code FROM branch";

ResultSet rs = st.executeQuery(table\_sql);

while(rs.next()){

String br = rs.getString("br\_code");

String tbData[] = {br};

DefaultTableModel tblModel = (DefaultTableModel)jTable4.getModel();

tblModel.addRow(tbData);

}

}

@SuppressWarnings("unchecked")

// <editor-fold defaultstate="collapsed" desc="Generated Code">//GEN-BEGIN:initComponents

private void initComponents() {

jLabel2 = new javax.swing.JLabel();

buttonGroup1 = new javax.swing.ButtonGroup();

jToggleButton1 = new javax.swing.JToggleButton();

jTable1 = new javax.swing.JTable();

jScrollPane2 = new javax.swing.JScrollPane();

jTable3 = new javax.swing.JTable();

jScrollPane4 = new javax.swing.JScrollPane();

jTable5 = new javax.swing.JTable();

jScrollPane5 = new javax.swing.JScrollPane();

jTable6 = new javax.swing.JTable();

jScrollPane6 = new javax.swing.JScrollPane();

jTable7 = new javax.swing.JTable();

jScrollPane7 = new javax.swing.JScrollPane();

jTable8 = new javax.swing.JTable();

jPanel2 = new javax.swing.JPanel();

jLabel1 = new javax.swing.JLabel();

jPanel3 = new javax.swing.JPanel();

jLabel4 = new javax.swing.JLabel();

jLabel5 = new javax.swing.JLabel();

jLabel6 = new javax.swing.JLabel();

jLabel7 = new javax.swing.JLabel();

ReturnField = new javax.swing.JTextField();

jLabel8 = new javax.swing.JLabel();

CostField = new javax.swing.JTextField();

DepartureField = new javax.swing.JTextField();

SeatsField = new javax.swing.JTextField();

BranchField = new javax.swing.JTextField();

jLabel9 = new javax.swing.JLabel();

jLabel11 = new javax.swing.JLabel();

DriverATField = new javax.swing.JTextField();

GuideATField = new javax.swing.JTextField();

SaveButton = new javax.swing.JButton();

ExitButton = new javax.swing.JButton();

ClearButton = new javax.swing.JButton();

jPanel1 = new javax.swing.JPanel();

jLabel10 = new javax.swing.JLabel();

SearchField = new javax.swing.JTextField();

DeleteButton = new javax.swing.JButton();

UpdateButton2 = new javax.swing.JButton();

jScrollPane1 = new javax.swing.JScrollPane();

jTable2 = new javax.swing.JTable();

jScrollPane3 = new javax.swing.JScrollPane();

jTable4 = new javax.swing.JTable();

jScrollPane8 = new javax.swing.JScrollPane();

jTableguide = new javax.swing.JTable();

jScrollPane9 = new javax.swing.JScrollPane();

jTabledriver = new javax.swing.JTable();

AdddEventButton = new javax.swing.JButton();

jLabel2.setText("jLabel2");

jToggleButton1.setText("jToggleButton1");

jTable1.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jTable3.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane2.setViewportView(jTable3);

jTable5.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane4.setViewportView(jTable5);

jTable6.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane5.setViewportView(jTable6);

jTable7.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane6.setViewportView(jTable7);

jTable8.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

{null, null, null, null},

{null, null, null, null},

{null, null, null, null},

{null, null, null, null}

},

new String [] {

"Title 1", "Title 2", "Title 3", "Title 4"

}

));

jScrollPane7.setViewportView(jTable8);

setDefaultCloseOperation(javax.swing.WindowConstants.DISPOSE\_ON\_CLOSE);

jLabel1.setFont(new java.awt.Font("Segoe UI", 0, 36)); // NOI18N

jLabel1.setText("Trip & Events");

jPanel3.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Add Trip", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 24))); // NOI18N

jLabel4.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel4.setText("Trip Departure");

jLabel5.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel5.setText("Trip Return");

jLabel6.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel6.setText("Max Seats");

jLabel7.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel7.setText("Cost");

ReturnField.setText("YYY-MM-DD HH:MM:SS");

ReturnField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ReturnFieldActionPerformed(evt);

}

});

jLabel8.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel8.setText("Branch Code");

CostField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

CostFieldActionPerformed(evt);

}

});

DepartureField.setText("YYY-MM-DD HH:MM:SS");

DepartureField.setToolTipText("");

DepartureField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DepartureFieldActionPerformed(evt);

}

});

SeatsField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SeatsFieldActionPerformed(evt);

}

});

BranchField.setEditable(false);

BranchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

BranchFieldActionPerformed(evt);

}

});

jLabel9.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel9.setText("Guide AT");

jLabel11.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel11.setText("Driver AT");

DriverATField.setEditable(false);

DriverATField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DriverATFieldActionPerformed(evt);

}

});

GuideATField.setEditable(false);

GuideATField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

GuideATFieldActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel3Layout = new javax.swing.GroupLayout(jPanel3);

jPanel3.setLayout(jPanel3Layout);

jPanel3Layout.setHorizontalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel3Layout.createSequentialGroup()

.addGap(201, 201, 201)

.addComponent(SeatsField, javax.swing.GroupLayout.PREFERRED\_SIZE, 187, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(16, 16, 16)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel6, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(jLabel11, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel9, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jLabel8, javax.swing.GroupLayout.Alignment.LEADING)

.addComponent(jLabel5, javax.swing.GroupLayout.Alignment.LEADING, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE))

.addComponent(jLabel4, javax.swing.GroupLayout.PREFERRED\_SIZE, 152, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel7, javax.swing.GroupLayout.PREFERRED\_SIZE, 106, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGap(33, 33, 33)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.TRAILING, false)

.addComponent(CostField)

.addComponent(DepartureField, javax.swing.GroupLayout.DEFAULT\_SIZE, 187, Short.MAX\_VALUE)

.addComponent(ReturnField)

.addComponent(BranchField)

.addComponent(GuideATField)

.addComponent(DriverATField))))))

.addContainerGap(32, Short.MAX\_VALUE))

);

jPanel3Layout.setVerticalGroup(

jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel3Layout.createSequentialGroup()

.addGap(22, 22, 22)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel4)

.addComponent(DepartureField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel5)

.addComponent(ReturnField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(17, 17, 17)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel6)

.addComponent(SeatsField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel7)

.addComponent(CostField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel8)

.addComponent(BranchField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel9)

.addComponent(GuideATField, javax.swing.GroupLayout.DEFAULT\_SIZE, 34, Short.MAX\_VALUE))

.addGap(18, 18, 18)

.addGroup(jPanel3Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(DriverATField, javax.swing.GroupLayout.PREFERRED\_SIZE, 34, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(jLabel11))

.addContainerGap(15, Short.MAX\_VALUE))

);

SaveButton.setFont(new java.awt.Font("Segoe UI", 0, 27)); // NOI18N

SaveButton.setText("Save");

SaveButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SaveButtonActionPerformed(evt);

}

});

ExitButton.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

ExitButton.setText("Exit");

ExitButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ExitButtonActionPerformed(evt);

}

});

ClearButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

ClearButton.setText("Clear");

ClearButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

ClearButtonActionPerformed(evt);

}

});

jPanel1.setBorder(javax.swing.BorderFactory.createTitledBorder(null, "Search", javax.swing.border.TitledBorder.DEFAULT\_JUSTIFICATION, javax.swing.border.TitledBorder.DEFAULT\_POSITION, new java.awt.Font("Segoe UI", 0, 22))); // NOI18N

jLabel10.setFont(new java.awt.Font("Segoe UI", 0, 20)); // NOI18N

jLabel10.setText("Trip ID");

SearchField.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

SearchFieldActionPerformed(evt);

}

});

SearchField.addKeyListener(new java.awt.event.KeyAdapter() {

public void keyReleased(java.awt.event.KeyEvent evt) {

SearchFieldKeyReleased(evt);

}

});

javax.swing.GroupLayout jPanel1Layout = new javax.swing.GroupLayout(jPanel1);

jPanel1.setLayout(jPanel1Layout);

jPanel1Layout.setHorizontalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(32, 32, 32)

.addComponent(jLabel10, javax.swing.GroupLayout.PREFERRED\_SIZE, 109, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(18, 18, 18)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 243, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addContainerGap(18, Short.MAX\_VALUE))

);

jPanel1Layout.setVerticalGroup(

jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel1Layout.createSequentialGroup()

.addGap(15, 15, 15)

.addGroup(jPanel1Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(jLabel10)

.addComponent(SearchField, javax.swing.GroupLayout.PREFERRED\_SIZE, 33, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addContainerGap(20, Short.MAX\_VALUE))

);

DeleteButton.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

DeleteButton.setText("Delete");

DeleteButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

DeleteButtonActionPerformed(evt);

}

});

UpdateButton2.setFont(new java.awt.Font("Segoe UI", 0, 22)); // NOI18N

UpdateButton2.setText("Update");

UpdateButton2.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

UpdateButton2ActionPerformed(evt);

}

});

jTable2.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Trip ID", "Departure", "Return", "Max Seats", "Cost", "Branch Code", "Guide AT", "Driver AT"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable2.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable2MouseClicked(evt);

}

});

jScrollPane1.setViewportView(jTable2);

jTable4.setBorder(javax.swing.BorderFactory.createTitledBorder(""));

jTable4.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Branches"

}

) {

boolean[] canEdit = new boolean [] {

false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTable4.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTable4MouseClicked(evt);

}

});

jScrollPane3.setViewportView(jTable4);

jTableguide.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Guide AT", "Name", "Last Name", "Branch Code", "Language"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTableguide.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTableguideMouseClicked(evt);

}

});

jScrollPane8.setViewportView(jTableguide);

jTabledriver.setModel(new javax.swing.table.DefaultTableModel(

new Object [][] {

},

new String [] {

"Driver AT", "Name", "Last Name", "Branch Code", "Route"

}

) {

boolean[] canEdit = new boolean [] {

false, false, false, false, false

};

public boolean isCellEditable(int rowIndex, int columnIndex) {

return canEdit [columnIndex];

}

});

jTabledriver.addMouseListener(new java.awt.event.MouseAdapter() {

public void mouseClicked(java.awt.event.MouseEvent evt) {

jTabledriverMouseClicked(evt);

}

});

jScrollPane9.setViewportView(jTabledriver);

AdddEventButton.setFont(new java.awt.Font("Segoe UI", 0, 25)); // NOI18N

AdddEventButton.setText("Add Event");

AdddEventButton.addActionListener(new java.awt.event.ActionListener() {

public void actionPerformed(java.awt.event.ActionEvent evt) {

AdddEventButtonActionPerformed(evt);

}

});

javax.swing.GroupLayout jPanel2Layout = new javax.swing.GroupLayout(jPanel2);

jPanel2.setLayout(jPanel2Layout);

jPanel2Layout.setHorizontalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(142, 142, 142)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 261, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGroup(jPanel2Layout.createSequentialGroup()

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(AdddEventButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 164, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(18, 18, 18)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 153, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 154, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 144, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 144, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(12, 12, 12)

.addComponent(jScrollPane3, javax.swing.GroupLayout.PREFERRED\_SIZE, 56, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jScrollPane9, javax.swing.GroupLayout.PREFERRED\_SIZE, 404, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jScrollPane8))

.addGroup(jPanel2Layout.createSequentialGroup()

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.UNRELATED)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 939, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addContainerGap(20, Short.MAX\_VALUE))

);

jPanel2Layout.setVerticalGroup(

jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(javax.swing.GroupLayout.Alignment.TRAILING, jPanel2Layout.createSequentialGroup()

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createSequentialGroup()

.addGap(14, 14, 14)

.addComponent(jLabel1, javax.swing.GroupLayout.PREFERRED\_SIZE, 36, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addComponent(jPanel3, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED, javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel1, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jScrollPane1, javax.swing.GroupLayout.PREFERRED\_SIZE, 216, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING, false)

.addComponent(jScrollPane9, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.DEFAULT\_SIZE, 287, Short.MAX\_VALUE)

.addComponent(jScrollPane3, javax.swing.GroupLayout.Alignment.TRAILING, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE)

.addComponent(jScrollPane8, javax.swing.GroupLayout.PREFERRED\_SIZE, 0, Short.MAX\_VALUE))))

.addPreferredGap(javax.swing.LayoutStyle.ComponentPlacement.RELATED)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(SaveButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(AdddEventButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE))

.addGroup(jPanel2Layout.createParallelGroup(javax.swing.GroupLayout.Alignment.BASELINE)

.addComponent(UpdateButton2, javax.swing.GroupLayout.PREFERRED\_SIZE, 87, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(DeleteButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ClearButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addComponent(ExitButton, javax.swing.GroupLayout.PREFERRED\_SIZE, 89, javax.swing.GroupLayout.PREFERRED\_SIZE)))

.addGap(22, 22, 22))

);

javax.swing.GroupLayout layout = new javax.swing.GroupLayout(getContentPane());

getContentPane().setLayout(layout);

layout.setHorizontalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addContainerGap(javax.swing.GroupLayout.DEFAULT\_SIZE, Short.MAX\_VALUE)

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, javax.swing.GroupLayout.DEFAULT\_SIZE, javax.swing.GroupLayout.PREFERRED\_SIZE))

);

layout.setVerticalGroup(

layout.createParallelGroup(javax.swing.GroupLayout.Alignment.LEADING)

.addGroup(layout.createSequentialGroup()

.addComponent(jPanel2, javax.swing.GroupLayout.PREFERRED\_SIZE, 698, javax.swing.GroupLayout.PREFERRED\_SIZE)

.addGap(0, 0, Short.MAX\_VALUE))

);

pack();

}// </editor-fold>//GEN-END:initComponents

private void jTable4MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable4MouseClicked

jTabledriver.setModel(new DefaultTableModel(null , new String[]{"Driver AT", "Name","Last Name","Branch Code","Route"}));

jTableguide.setModel(new DefaultTableModel(null , new String[]{"Guide AT", "Name","Last Name","Branch Code","Language"}));

DefaultTableModel model = (DefaultTableModel)jTable4.getModel();

int selectedRowIndex = jTable4.getSelectedRow();

BranchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

try {

table\_loadDriver(model.getValueAt(selectedRowIndex ,0 ).toString());

} catch (SQLException ex) {

Logger.getLogger(TripEvent.class.getName()).log(Level.SEVERE, null, ex);

}

try {

table\_loadGuide(model.getValueAt(selectedRowIndex ,0 ).toString());

} catch (SQLException ex) {

Logger.getLogger(TripEvent.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_jTable4MouseClicked

private void jTable2MouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTable2MouseClicked

DefaultTableModel model = (DefaultTableModel)jTable2.getModel();

int selectedRowIndex = jTable2.getSelectedRow();

SearchField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

DepartureField.setText(model.getValueAt(selectedRowIndex ,1 ).toString());

ReturnField.setText(model.getValueAt(selectedRowIndex ,2 ).toString());

SeatsField.setText(model.getValueAt(selectedRowIndex ,3 ).toString());

CostField.setText(model.getValueAt(selectedRowIndex ,4 ).toString());

BranchField.setText(model.getValueAt(selectedRowIndex ,5 ).toString());

GuideATField.setText(model.getValueAt(selectedRowIndex ,6 ).toString());

DriverATField.setText(model.getValueAt(selectedRowIndex ,7 ).toString());

}//GEN-LAST:event\_jTable2MouseClicked

private void UpdateButton2ActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_UpdateButton2ActionPerformed

String departure , returnf , seats , cost , brcode ,srid ,Guideat ,Driverat;

departure = DepartureField.getText();

returnf =ReturnField.getText();

seats = SeatsField.getText();

cost = CostField.getText();

brcode = BranchField.getText();

srid = SearchField.getText();

Guideat = GuideATField.getText();

Driverat = DriverATField.getText();

try{

pst= conn.prepareStatement("update trip set tr\_departure=? ,tr\_return=? ,tr\_maxseats=?, tr\_cost=? ,tr\_br\_code=?, tr\_gui\_AT=? ,tr\_drv\_AT =? WHERE tr\_id =?");

pst.setString(1,departure);

pst.setString(2,returnf);

pst.setString(3,seats);

pst.setString(4,cost);

pst.setString(5,brcode);

pst.setString(6,Guideat);

pst.setString(7,Driverat);

pst.setString(8,srid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Update!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID", "Departure","Return","Max Seats","Cost","Branch Code","Guide AT" ,"Driver AT "}));

table\_load();

DepartureField.setText("");

ReturnField.setText("");

SeatsField.setText("");

CostField.setText("");

BranchField.setText("");

GuideATField.setText("");

DriverATField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_UpdateButton2ActionPerformed

private void DeleteButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DeleteButtonActionPerformed

String srid;

srid = SearchField.getText();

try{

pst= conn.prepareStatement("delete from trip WHERE tr\_id =?");

pst.setString(1,srid);

pst.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Deleted!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID", "Departure","Return","Max Seats","Cost","Branch Code","Guide AT" ,"Driver AT "}));

table\_load();

DepartureField.setText("");

ReturnField.setText("");

SeatsField.setText("");

CostField.setText("");

BranchField.setText("");

GuideATField.setText("");

DriverATField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_DeleteButtonActionPerformed

private void SearchFieldKeyReleased(java.awt.event.KeyEvent evt) {//GEN-FIRST:event\_SearchFieldKeyReleased

try{

String wrk\_AT = SearchField.getText();

pst = conn.prepareStatement("SELECT tr\_id , tr\_departure, tr\_return ,tr\_maxseats , tr\_cost , tr\_br\_code , tr\_gui\_AT , tr\_drv\_AT FROM trip WHERE tr\_id = ?");

pst.setString(1 , wrk\_AT);

ResultSet rs = pst.executeQuery();

if(rs.next() == true)

{

String AT = rs.getString(1);

String name = rs.getString(2);

String lname = rs.getString(3);

String salary = rs.getString(4);

String code = rs.getString(5);

String license = rs.getString(6);

String route = rs.getString(7);

String experience = rs.getString(8);

DepartureField.setText(name);

ReturnField.setText(lname);

SeatsField.setText(AT);

CostField.setText(salary);

BranchField.setText(code);

}else{

DepartureField.setText("");

ReturnField.setText("");

SeatsField.setText("");

CostField.setText("");

BranchField.setText("");

GuideATField.setText("");

DriverATField.requestFocus();

}

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SearchFieldKeyReleased

private void SearchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SearchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SearchFieldActionPerformed

private void ClearButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ClearButtonActionPerformed

DepartureField.setText("");

ReturnField.setText("");

SeatsField.setText("");

CostField.setText("");

BranchField.setText("");

GuideATField.setText("");

SearchField.setText("");

DriverATField.requestFocus();

}//GEN-LAST:event\_ClearButtonActionPerformed

private void ExitButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ExitButtonActionPerformed

System.exit(0);

}//GEN-LAST:event\_ExitButtonActionPerformed

private void SaveButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SaveButtonActionPerformed

String tr\_departure , tr\_return , tr\_maxseats ,tr\_cost ,tr\_br\_code ,tr\_gui\_AT, tr\_drv\_AT;

tr\_departure = DepartureField.getText();

tr\_return = ReturnField.getText();

tr\_maxseats = SeatsField.getText();

tr\_cost= CostField.getText();

tr\_br\_code = BranchField.getText();

tr\_gui\_AT = GuideATField.getText();

tr\_drv\_AT = DriverATField.getText();

try{

cs= conn.prepareCall("insert into trip (tr\_departure,tr\_return,tr\_maxseats,tr\_cost,tr\_br\_code,tr\_gui\_AT,tr\_drv\_AT)values(?,?,?,?,?,?,?)");

cs.setString(1,tr\_departure);

cs.setString(2,tr\_return);

cs.setString(3,tr\_maxseats);

cs.setString(4,tr\_cost);

cs.setString(5,tr\_br\_code);

cs.setString(6,tr\_gui\_AT);

cs.setString(7,tr\_drv\_AT);

cs.executeUpdate();

JOptionPane.showMessageDialog(null , "Record Addedd!!");

jTable2.setModel(new DefaultTableModel(null , new String[]{"Trip ID", "Departure","Return","Max Seats","Cost","Branch Code","Guide AT" ,"Driver AT "}));

table\_load();

DepartureField.setText("");

ReturnField.setText("");

SeatsField.setText("");

CostField.setText("");

BranchField.setText("");

GuideATField.setText("");

DriverATField.requestFocus();

}catch(SQLException e){

JOptionPane.showMessageDialog(null , e.getMessage());

}

}//GEN-LAST:event\_SaveButtonActionPerformed

private void BranchFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_BranchFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_BranchFieldActionPerformed

private void SeatsFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_SeatsFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_SeatsFieldActionPerformed

private void CostFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_CostFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_CostFieldActionPerformed

private void ReturnFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_ReturnFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_ReturnFieldActionPerformed

private void DepartureFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DepartureFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DepartureFieldActionPerformed

private void DriverATFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_DriverATFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_DriverATFieldActionPerformed

private void GuideATFieldActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_GuideATFieldActionPerformed

// TODO add your handling code here:

}//GEN-LAST:event\_GuideATFieldActionPerformed

private void jTabledriverMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTabledriverMouseClicked

DefaultTableModel model = (DefaultTableModel) jTabledriver.getModel();

int selectedRowIndex = jTabledriver.getSelectedRow();

DriverATField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTabledriverMouseClicked

private void jTableguideMouseClicked(java.awt.event.MouseEvent evt) {//GEN-FIRST:event\_jTableguideMouseClicked

DefaultTableModel model = (DefaultTableModel) jTableguide.getModel();

int selectedRowIndex = jTableguide.getSelectedRow();

GuideATField.setText(model.getValueAt(selectedRowIndex ,0 ).toString());

}//GEN-LAST:event\_jTableguideMouseClicked

private void AdddEventButtonActionPerformed(java.awt.event.ActionEvent evt) {//GEN-FIRST:event\_AdddEventButtonActionPerformed

try {

Events e = new Events();

e.setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(TripEvent.class.getName()).log(Level.SEVERE, null, ex);

}

}//GEN-LAST:event\_AdddEventButtonActionPerformed

/\*\*

\* @param args the command line arguments

\*/

public static void main(String args[]) {

java.awt.EventQueue.invokeLater(new Runnable() {

public void run() {

try {

new TripEvent().setVisible(true);

} catch (SQLException ex) {

Logger.getLogger(TripEvent.class.getName()).log(Level.SEVERE, null, ex);

}

}

});

}

// Variables declaration - do not modify//GEN-BEGIN:variables

private javax.swing.JButton AdddEventButton;

private javax.swing.JTextField BranchField;

private javax.swing.JButton ClearButton;

private javax.swing.JTextField CostField;

private javax.swing.JButton DeleteButton;

private javax.swing.JTextField DepartureField;

private javax.swing.JTextField DriverATField;

private javax.swing.JButton ExitButton;

private javax.swing.JTextField GuideATField;

private javax.swing.JTextField ReturnField;

private javax.swing.JButton SaveButton;

private javax.swing.JTextField SearchField;

private javax.swing.JTextField SeatsField;

private javax.swing.JButton UpdateButton2;

private javax.swing.ButtonGroup buttonGroup1;

private javax.swing.JLabel jLabel1;

private javax.swing.JLabel jLabel10;

private javax.swing.JLabel jLabel11;

private javax.swing.JLabel jLabel2;

private javax.swing.JLabel jLabel4;

private javax.swing.JLabel jLabel5;

private javax.swing.JLabel jLabel6;

private javax.swing.JLabel jLabel7;

private javax.swing.JLabel jLabel8;

private javax.swing.JLabel jLabel9;

private javax.swing.JPanel jPanel1;

private javax.swing.JPanel jPanel2;

private javax.swing.JPanel jPanel3;

private javax.swing.JScrollPane jScrollPane1;

private javax.swing.JScrollPane jScrollPane2;

private javax.swing.JScrollPane jScrollPane3;

private javax.swing.JScrollPane jScrollPane4;

private javax.swing.JScrollPane jScrollPane5;

private javax.swing.JScrollPane jScrollPane6;

private javax.swing.JScrollPane jScrollPane7;

private javax.swing.JScrollPane jScrollPane8;

private javax.swing.JScrollPane jScrollPane9;

private javax.swing.JTable jTable1;

private javax.swing.JTable jTable2;

private javax.swing.JTable jTable3;

private javax.swing.JTable jTable4;

private javax.swing.JTable jTable5;

private javax.swing.JTable jTable6;

private javax.swing.JTable jTable7;

private javax.swing.JTable jTable8;

private javax.swing.JTable jTabledriver;

private javax.swing.JTable jTableguide;

private javax.swing.JToggleButton jToggleButton1;

// End of variables declaration//GEN-END:variables

}