CS 353

Database Management Systems Term Project

Design Report: Travel Agency Data Management System

Section 1 Group 10

Ahmet Salman, 21901004, CS

Muhammed Can Küçükaslan, 21901779, CS

Mustafa Yasir Altunhan, 21802530, CS

Güven Gergerli, 21803393, CS

Instructor

Prof. Dr. Özgür Ulusoy

Contents

1. Revised E/R Model	3
1.1. Revision List	3
1.2 E/R Diagram	4
2. Relational Schemas	5
2.1. hotel	5
2.2. room	5
2.3. customer	6
2.4. employee	7
2.5. tour_guide	8
2.6. tour	8
2.7. activity	9
2.8. airport	9
2.9. tour_section	10
2.10. customer_review	11
2.11. tour_activity	11
2.12. booking	12
2.13. reservation	13
2.14. reservation_activity	14
2.15. tour_guide_review	14
2.16. guides	15
2.17. flight	16
2.18. flight_reservation	17
3. User Interface Design and Corresponding SQL Statements	18
3.1 Customer Register	18
3.2 Employee Register	19
3.3 Tour Guide Register	20
3.4 Customer Login	21
3.5 Employee Login	22
3.6 Tour Guide Login	23
3.7 Customer Dashboard	23
3.8 Customer Past Tours	24
3.9 Customer Rating	25
3.10 Customer Profile	25
3.11 Customer Hotel Reservation Details	26
3.12 Customer Reserve a Hotel	27
3.13 Customer Book a Tour	27
3.14 Customer View Tour Guide Profile	28

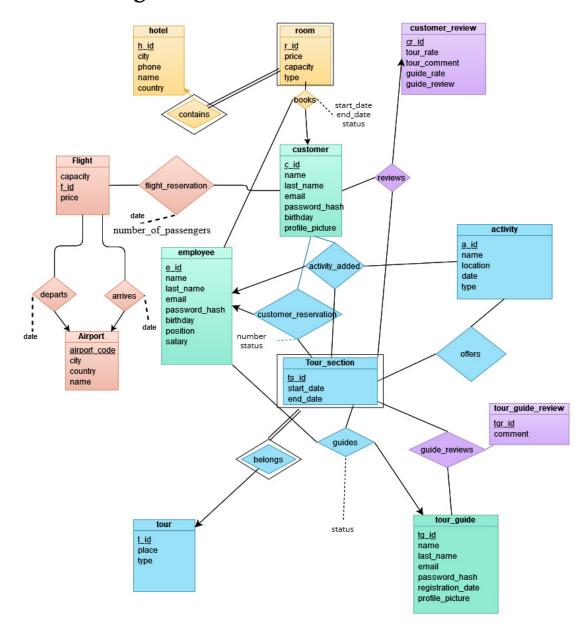
3.15 Customer Reserve Extra Activity	29
3.16 Customer Tour Details	29
3.17 Customer Reserve Flight	30
3.18 Employee Dashboard	31
3.19 Employee Create New Tour	32
3.20 Employee Create New Activity	32
3.21 Employee Create New Extra Activity	33
3.22 Employee Assign Tour Guide	34
3.23 Edit Tour Information	34
3.24 Employee Register Hotel	35
3.25 Employee Pending Tours	35
3.26 Employee Pending Hotel Reservations	36
3.27 Employee Profile	37
3.28 Tour Guide Dashboard	37
3.29 Tour Guide Available Tours	38
3.30 Tour Guide Feedback Form	39
3.31 Tour Guide Profile	39

1. Revised E/R Model

1.1. Revision List

- Removed the hotel company entity which was useless
- Hotel is no longer a weak entity.
- Hotel booking relation is renamed to books
- Removed the type attribute from the books relation
- Added status attribute to the books relation
- Customer review is no longer a weak entity.
- Review relation is renamed to reviews
- Foreign keys written Customer review are removed.
- Customer_review's rating_comment attribute is replaced by these four attributes: tour rate, tour comment, guide rate, guide comment.
- Tour_guide_review is no longer a weak entity.
- Remove the foreing keys buried in tour guide review
- Added tour_section entity as a weak entity of tour, having start_date, end_date attributes.
- Added offers relation between tour section and activity.
- Added belongs relation between tour_section and tour.
- Added place and type attributes to the tour entity.
- Remove Tour activity relation
- Activity is no longer a weak entity
- Remove the foreign keys in the activity entity
- Activity reservation relation is renamed to activity added
- Activity added is also connected to employee
- Removed "start date, end date" attributes from tour.
- Added credentials (e-mail and password hash) to the tour guide entity.
- Added registration date to tour guide entity.
- Renamed the tours relation to guides relation.
- Guides relation connects to the employee instead of the manager.
- Added status attribute to the guides relation
- Added credential attributes to the customer entity
- Added profilePicture attribute to the customer entity
- Added credential attributes to the employee entity
- Added salary attribute to the employee entity
- Removed the manager entity, its roles are taken by the employee.
- Add flight entity
- Add flight reservation entity connecting flight and customer.
- Add airport entity
- Add departs entity connecting flight and airport.
- Add arrives entity connecting flight and airport.

1.2 E/R Diagram



2. Relational Schemas

2.1. hotel

Relational Model:

hotel(h id, h name, phone, city, country)

Functional Dependencies:

h_id -> h_name, phone, city, country

Candidate Keys:

 $\{h id\}$

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `hotel` (
`h_id` int(8) unsigned NOT NULL auto_increment,
`h_name` varchar(255),
`phone` varchar(12) default NULL,
`city` varchar(255) default NULL,
`country` varchar(255) default NULL,
PRIMARY KEY (`id`)
) AUTO INCREMENT=1;
```

2.2. room

Relational Model:

room(r id, price, capacity, type, h id)

Functional Dependencies:

r id -> price, capacity, type, h id

Candidate Keys:

 $\{r \text{ id}\}$

Normal Form:

BCNF

```
CREATE TABLE `room` (
 `h_id` int(11) NOT NULL,
```

2.3. customer

Relational Model:

customer(c id, name, last name, email, password hash, birthday, profile picture)

Functional Dependencies:

c id -> name, last name, email, password hash, birthday, profile picture

Candidate Keys:

{c id}

Normal Form:

BCNF

```
CREATE TABLE `customer` (
  `c_id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(255) DEFAULT NULL,
  `lastname` varchar(255) DEFAULT NULL,
  `email` varchar(255) DEFAULT NULL,
  `password_hash` varchar(255) DEFAULT NULL,
  `birthday` date DEFAULT NULL,
  `profile_picture` blob NOT NULL,
  PRIMARY KEY (`c_id`)
) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=utf16
COLLATE=utf16_turkish_ci
```

2.4. employee

Relational Model:

employee(e_id, name, last_name, email, password_hash, birthday, position, salary)

Functional Dependencies:

e id -> name, last name, email, password hash, birthday, position, salary

Candidate Keys:

 $\{\underline{e} id\}$

Normal Form:

BCNF

```
CREATE TABLE `employee` (
  `e_id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(255) COLLATE utf16_turkish_ci DEFAULT NULL,
  `lastname` varchar(255) COLLATE utf16_turkish_ci DEFAULT NULL,
  `email` varchar(255) COLLATE utf16_turkish_ci DEFAULT NULL,
  `password_hash` varchar(255) COLLATE utf16_turkish_ci DEFAULT NULL,
  `birthday` date DEFAULT NULL,
  `salary` int(11) NOT NULL,
  `position` varchar(255) COLLATE utf16_turkish_ci NOT NULL,
  PRIMARY KEY (`e_id`)
) ENGINE=InnoDB AUTO_INCREMENT=6 DEFAULT CHARSET=utf16
  COLLATE=utf16 turkish ci
```

2.5. tour_guide

Relational Model:

tour_guide(tg_id, name, last_name, email, password_hash, registration_date, profile_picture)

Functional Dependencies:

tg_id -> name,last_name, email, password_hash, registration_date,profile_picture

Candidate Keys:

{tg id}

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `tour_guide` (
  `tg_id` int(11) NOT NULL AUTO_INCREMENT,
  `name` varchar(255) DEFAULT NULL,
  `lastname` varchar(255) DEFAULT NULL,
  `email` varchar(255) DEFAULT NULL,
  `password_hash` varchar(255) DEFAULT NULL,
  `registration` date DEFAULT NULL,
  `profile_picture` blob NOT NULL,
  PRIMARY KEY (`tg_id`)
) ENGINE=InnoDB
```

2.6. tour

Relational Model:

tour(<u>t id</u>, place, type)

Functional Dependencies:

t_id -> place, type

Candidate Keys:

{t id}

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `tour` (
  `t_id` int(11) NOT NULL,
  `place` varchar(255) NOT NULL,
  `type` varchar(255) NOT NULL,
  PRIMARY KEY (`t_id`)
) ENGINE=InnoDB
```

2.7. activity

Relational Model:

activity(a_id, name, location, date, type)

Functional Dependencies:

a_id -> name, location, date, type

Candidate Keys:

 $\{a_id\}$

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `activity`(
   `a_id` INT NOT NULL,
   `name` VARCHAR(255) NOT NULL,
   `location` VARCHAR(255) NOT NULL,
   `date` DATE NOT NULL,
   `type` VARCHAR(255) NOT NULL,
   PRIMARY KEY(`a_id`)
) ENGINE = InnoDB;
```

2.8. airport

Relational Model:

airport(airport_code, city, country, name)

Functional Dependencies:

airport code -> city, country, name

Candidate Keys:

{airport_code}

Normal Form:

BCNF

Table Definition:

2.9. tour_section

Relational Model:

tour_section(ts_id, start_date, end_date, t_id)

Functional Dependencies

ts_id -> start_date, end_date, t_id

Candidate Keys:

{ts_id}

Normal Form:

BCNF

```
CREATE TABLE `tour_section`(
    `ts_id` INT NOT NULL AUTO_INCREMENT,
    `start_date` DATE NOT NULL,
    `end_date` DATE NOT NULL,
    `t_id` INT NOT NULL,
    CONSTRAINT `fk_section_tour` FOREIGN KEY (`t_id`)
    REFERENCES `tour`(`t_id`) ON DELETE CASCADE ON
    UPDATE CASCADE,
    PRIMARY KEY(`ts_id`)
) ENGINE = InnoDB;
```

2.10. customer review

Relational Model:

customer_review(<u>cr_id</u>, tour_rate, tour_comment, guide_rate, guide_comment, c_id, ts_id)

Functional Dependencies

cr_id -> tour_rate, tour_comment, guide_rate, guide_comment, c_id, ts_id

Candidate Keys:

{cr id}

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `customer review`(
          `cr id` INT NOT NULL AUTO INCREMENT,
          `tour rate` INT NOT NULL,
          `tour comment` VARCHAR(1000) NOT NULL,
          `guide rate` INT NOT NULL,
          `guide comment` VARCHAR(1000) NOT NULL,
          `c id` INT NOT NULL,
          `ts id` INT NOT NULL,
          CONSTRAINT `fk cr customer` FOREIGN KEY(`c id`)
          REFERENCES `customer`(`c_id`) ON DELETE CASCADE ON
          UPDATE CASCADE,
          CONSTRAINT `fk_cr_tour_section` FOREIGN KEY(`ts id`)
          REFERENCES `tour section`(`ts id`) ON DELETE CASCADE
          ON UPDATE CASCADE,
          PRIMARY KEY(`cr id`)
) ENGINE = InnoDB;
```

2.11. tour_activity

Relational Model:

tour activity(ts id, a id)

Functional Dependencies

None

Candidate Keys:

{ts_id, a_id}

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `tour_activity`(

    `ts_id` INT NOT NULL,

    `a_id` INT NOT NULL,

    CONSTRAINT `fk_ta_activity` FOREIGN KEY(`a_id`)
    REFERENCES `activity`(`a_id`) ON DELETE CASCADE ON UPDATE CASCADE,

    CONSTRAINT `fk_ta_tour_section` FOREIGN KEY(`ts_id`)
    REFERENCES `tour_section`(`ts_id`) ON DELETE CASCADE ON UPDATE CASCADE

ON UPDATE CASCADE

) ENGINE = InnoDB;
```

2.12. booking

Relational Model:

booking(<u>b_id</u>, c_id, r_id, e_id, start_date, end_date, type, status)

Functional Dependencies

b id -> c id, r id, e id, start date, end date, type, status

Candidate Keys:

{b id}

Normal Form:

BCNF

```
CONSTRAINT `fk_booking_customer` FOREIGN KEY(`c_id`)
REFERENCES `customer`(`c_id`) ON DELETE CASCADE ON
UPDATE CASCADE,

CONSTRAINT `fk_booking_employee` FOREIGN KEY(`e_id`)
REFERENCES `employee`(`e_id`) ON DELETE CASCADE ON
UPDATE CASCADE,

CONSTRAINT `fk_booking_room` FOREIGN KEY(`r_id`)
REFERENCES `room`(`r_id`) ON DELETE CASCADE ON
UPDATE CASCADE,

PRIMARY KEY(`b_id`)

ENGINE = InnoDB;
```

2.13. reservation

Relational Model:

reservation(<u>res_id</u>, c_id, e_id, ts_id, number, status)

Functional Dependencies

res_id -> c_id, e_id, ts_id, number, status

Candidate Keys:

{res id}

Normal Form:

BCNF

```
CONSTRAINT `fk_reservation_tour_section` FOREIGN
    KEY(`ts_id`) REFERENCES `tour_section`(`ts_id`) ON
    DELETE CASCADE ON UPDATE CASCADE,
    PRIMARY KEY(`res_id`)
) ENGINE = InnoDB
```

2.14. reservation_activity

Relational Model:

reservaction activity(res id, a id)

Functional Dependencies

None

Candidate Keys:

{(res id, a id)}

Normal Form:

BCNF

Table Definition:

2.15. tour_guide_review

Relational Model:

tour guide review(tgr id, comment, tg id, ts id)

Functional Dependencies

tgr id -> comment, tg id, ts id

Candidate Keys:

{tgr id}

Normal Form:

BCNF

Table Definition:

```
CREATE TABLE `tour_guide_review`(
    `tgr_id` INT NOT NULL AUTO_INCREMENT,
    `tour_comment` VARCHAR(1000) NOT NULL,
    `tg_id` INT NOT NULL,
    `ts_id` INT NOT NULL,
    CONSTRAINT `fk_tgr_tour_guide` FOREIGN KEY(`tg_id`)
    REFERENCES `tour_guide`(`tg_id`) ON DELETE CASCADE
    ON UPDATE CASCADE,
    CONSTRAINT `fk_tgr_tour_section` FOREIGN
    KEY(`ts_id`) REFERENCES `tour_section`(`ts_id`) ON
    DELETE CASCADE ON UPDATE CASCADE,
    PRIMARY KEY(`tgr_id`)
) ENGINE = InnoDB;
```

2.16. guides

Relational Model:

guides(tg_id, ts_id, e_id, status)

Functional Dependencies

tg_id, ts_id e_id -> status

Candidate Keys:

{(tg id, ts id, e id)}

Normal Form:

BCNF

```
CREATE TABLE `guides`(

`tg_id` INT NOT NULL,

`ts_id` INT NOT NULL,

`e_id` INT NOT NULL,

`status` VARCHAR(255) NOT NULL,
```

```
CONSTRAINT `fk_guides_tour_guide` FOREIGN
KEY(`tg_id`) REFERENCES `tour_guide`(`tg_id`) ON
DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `fk_guides_tour_section` FOREIGN
KEY(`ts_id`) REFERENCES `tour_section`(`ts_id`) ON
DELETE CASCADE ON UPDATE CASCADE,

CONSTRAINT `fk_guides_employee` FOREIGN KEY(`e_id`)
REFERENCES `employee`(`e_id`) ON DELETE CASCADE ON
UPDATE CASCADE

) ENGINE = InnoDB;
```

2.17. flight

Relational Model:

flight(f id, capacity, ticket price, dept airport, dest airport, dept date, arrive date)

Functional Dependencies

f id -> capacity, ticket price, dept airport, dest airport, dept date, arrive date

Candidate Keys:

 $\{f id\}$

Normal Form:

BCNF

```
CREATE TABLE `flight`(
          `f id` INT NOT NULL AUTO INCREMENT,
          `capacity` INT NOT NULL,
          `ticket price` INT NOT NULL,
          `dept airport` CHAR(3) NOT NULL,
          `dest airport` CHAR(3) NOT NULL,
          `dept date` DATE NOT NULL,
          `arrive date` DATE NOT NULL,
          CONSTRAINT `fk flight dept airport` FOREIGN
          KEY(`dept airport`) REFERENCES
          `airport`(`airport code`) ON DELETE CASCADE ON
          UPDATE CASCADE,
          CONSTRAINT `fk flight dest airport` FOREIGN
          KEY(`dest airport`) REFERENCES
          `airport`(`airport code`) ON DELETE CASCADE ON
          UPDATE CASCADE,
          PRIMARY KEY(`f id`)) ENGINE = InnoDB;
```

2.18. flight_reservation

Relational Model:

flight reservation(fr id, f_id, c_id, number_of_passengers, date)

Functional Dependencies

fr id -> f id, c id, number of passengers, date

Candidate Keys:

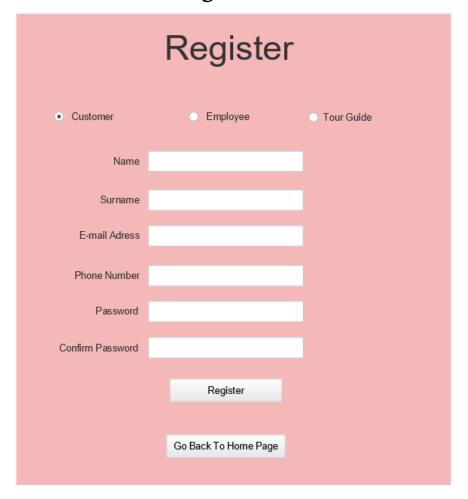
 $\{ fr id \}$

Normal Form:

BCNF

3. User Interface Design and Corresponding SQL Statements

3.1 Customer Register



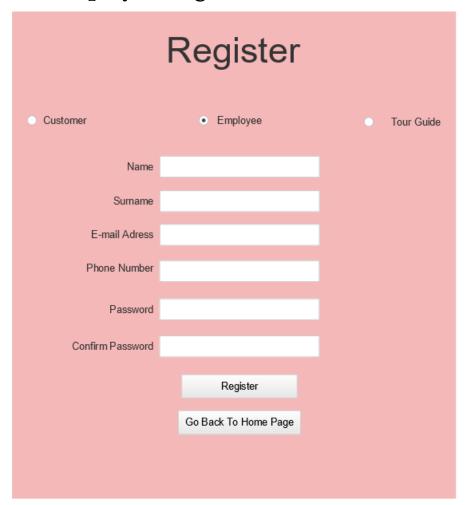
INSERT INTO customer

VALUES (@name, @surname,

@emailAdddress, @phone number,

@password)

3.2 Employee Register



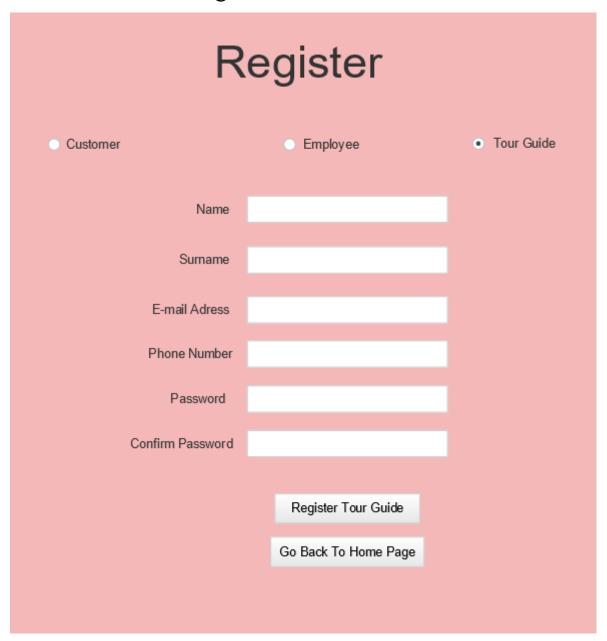
INSERT INTO employee

VALUES (@name, @surname,

@emailAdddress, @phone number,

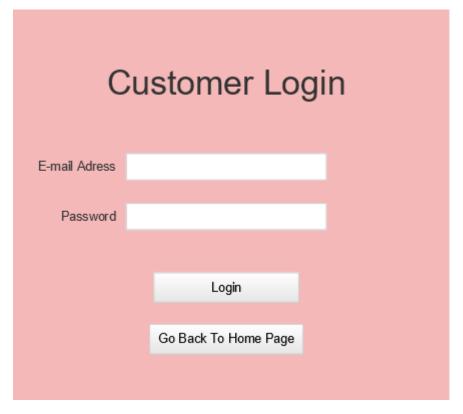
@password)

3.3 Tour Guide Register



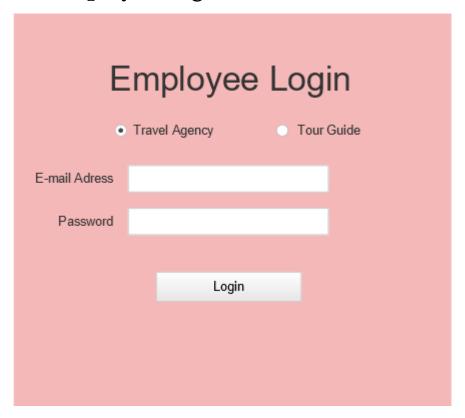
INSERT INTO tour_guide
VALUES (@name, @surname,
@emailAdddress, @phone number,
@password)

3.4 Customer Login



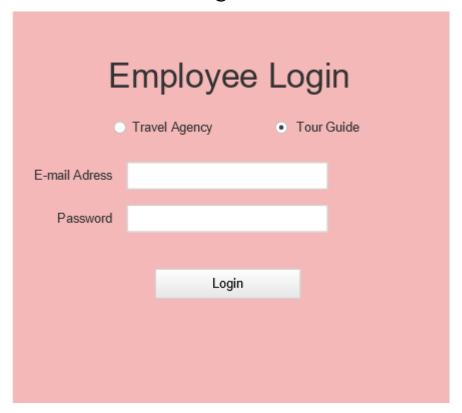
SELECT * FROM customer
WHERE email=@email AND
password_hash = @password

3.5 Employee Login



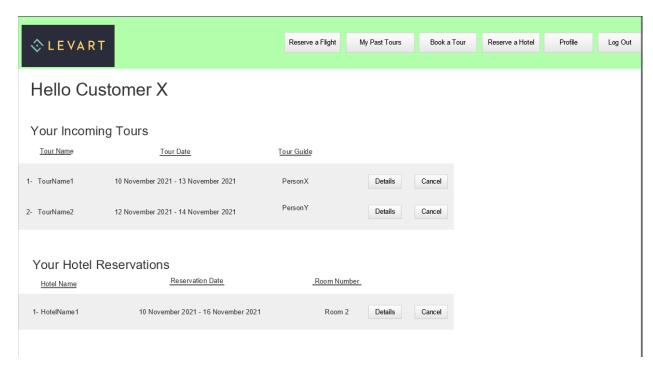
SELECT * FROM employee WHERE email=@email AND password_hash = @password

3.6 Tour Guide Login



SELECT * FROM tour_guide WHERE email=@email AND password_hash = @password

3.7 Customer Dashboard



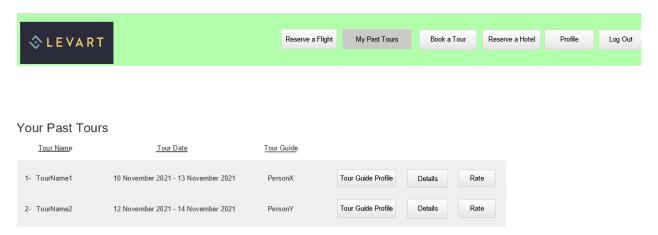
For the *Incoming Tours*:

SELECT start_date, end_date, first_name, last_name
FROM customer_reservation, tour_section, guides, tour_guide
WHERE customer_reservation.cid = @cid AND start_date > NOW()
AND guides.tour_guide_id = tour_guide_id AND
customer_reservation.section_id = section_id

For *Hotel Reservations*:

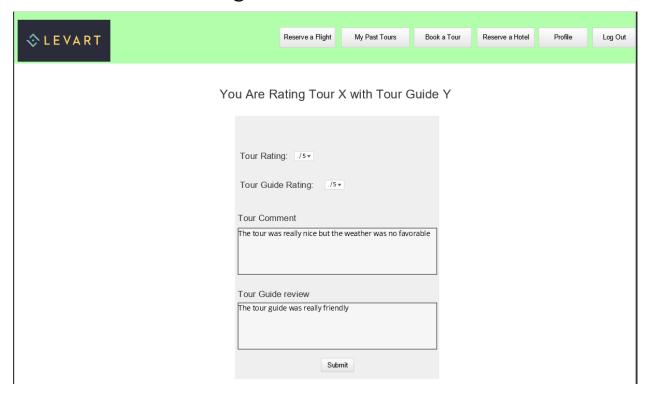
SELECT hotel.name, start_date, end_date, r_id FROM books, contains, hotel WHERE books.cid = @cid AND contains.roomID = books.RoomID

3.8 Customer Past Tours



SELECT start_date, end_date, first_name, last_name
FROM customer_reservation, tour_section, guides, tour_guide
WHERE customer_reservation.cid = @cid AND start_date < NOW() AND
guides.tour_guide_id = tour_guide_id AND
customer_reservation.section_id = section_id

3.9 Customer Rating

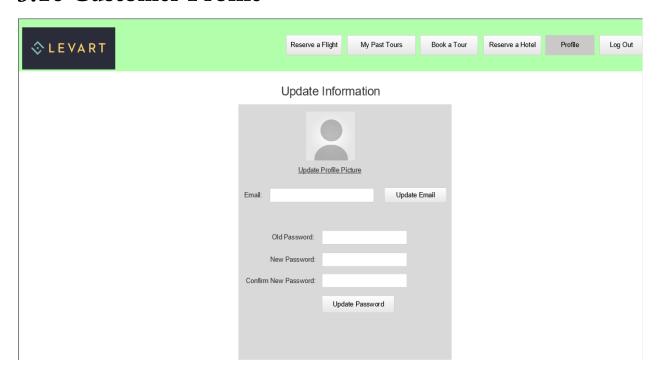


INSERT INTO customer_review

VALUES (Tour Rating, Tour Comment,

Tour Guide Rating, Tour Guide Review, @cid, @section_id)

3.10 Customer Profile



For Email Update:

UPDATE customer SET email = @email WHERE cid = @cid

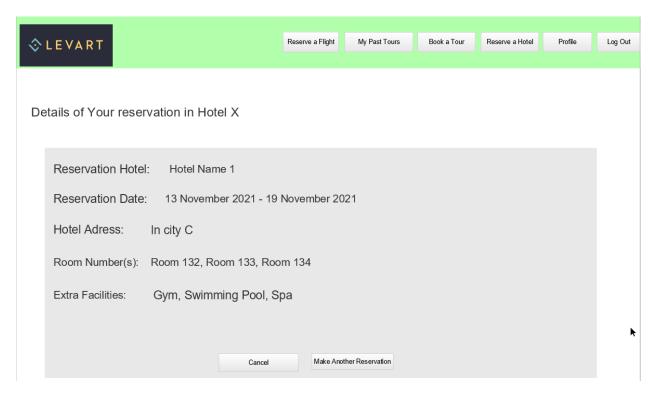
For Password Update:

UPDATE customer SET password_hash = @new_Password

WHERE cid = @cid AND

password_hash = @oldPassword

3.11 Customer Hotel Reservation Details



SELECT hotel.name, start_date, end_date, address, r_id FROM

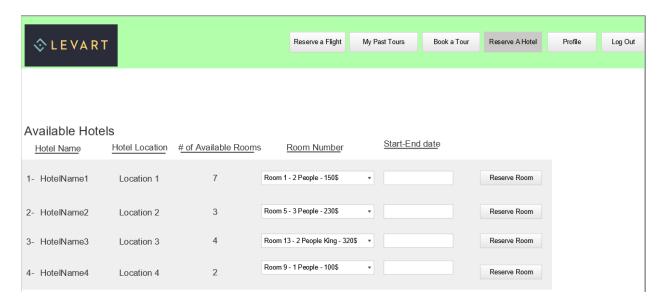
books, contains, hotel WHERE

books.cid = @cid AND

books.r id = contains.r id AND

hotel.h_id = contains.h_id

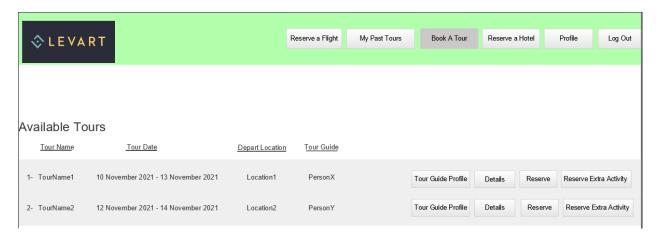
3.12 Customer Reserve a Hotel



INSERT INTO books

VALUES (@cid, @eid, @r id, @start date, @end date, type, status)

3.13 Customer Book a Tour



SELECT start_date, end_date, tour_guide.name FROM guides, tour_section, tour_guide WHERE guides.ts_id = tour_section.ts_id AND guides.tg_id = tour_guide.tg_id AND start_date > NOW()

3.14 Customer View Tour Guide Profile



For Tour Information:

SELECT tour_guide.name, created_at, AVG(guide_rate) FROM guides, customer_review WHERE guides.ts_id = customer_review.ts_id AND guides.tg_id = @tg_id

For Customer Comments:

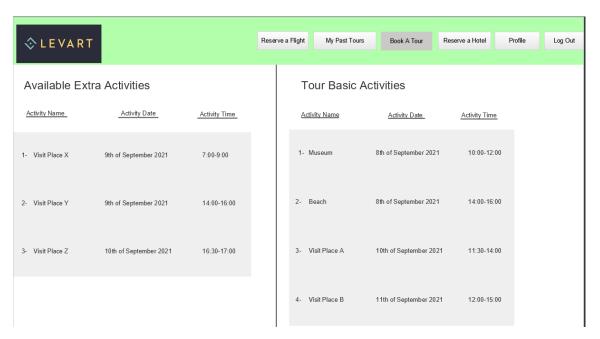
SELECT tour_comment FROM
guides, customer_review WHERE guides.ts_id = customer_review.ts_id AND
guides.tg_id = @tg_id

3.15 Customer Reserve Extra Activity



INSERT INTO activity_added VALUES (@cid, @a_id, @ts_id)

3.16 Customer Tour Details



For Tour Basic Activity:

SELECT name, date, location FROM activity, offers WHERE activity.a_id = offers.a_id AND type = "basic"

For Available Extra Activity:

SELECT name, date, location FROM

activity, offers WHERE activity.a_id = offers.a_id AND type = "extra"

3.17 Customer Reserve Flight



SELECT f_id, Airport.name, departs.date, arrives.date, price FROM

flight, departs, arrives, airport WHERE

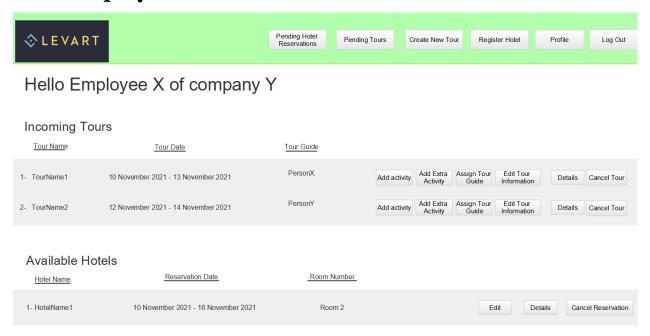
flight.f_id = departs.f_id AND

flight.f_id = arrives.f_id AND

airport.airport code = departs.airport code AND

airport.airport_code = departs.airport_code

3.18 Employee Dashboard



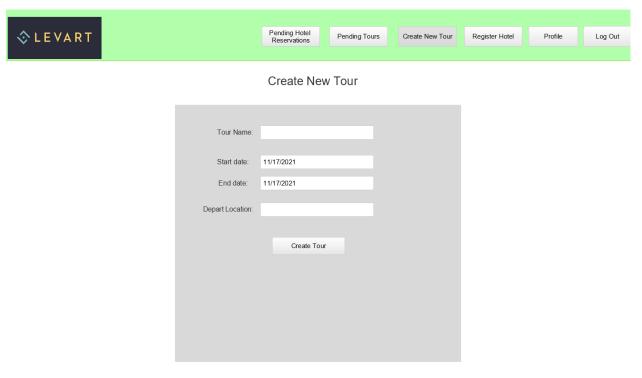
For incoming tours:

SELECT type, start_date, end_date, tour_guide.first_name, tour_guide.last_name
FROM tour, tour_section, guides, tour_guide
WHERE start_date > NOW() AND
guides.tour_guide_id = tour_guide_id AND
customer_reservation.section_id = section_id AND tour.t_id = tour_section.t_id AND
guides.ts_id = tour_section.ts_id

For available hotels:

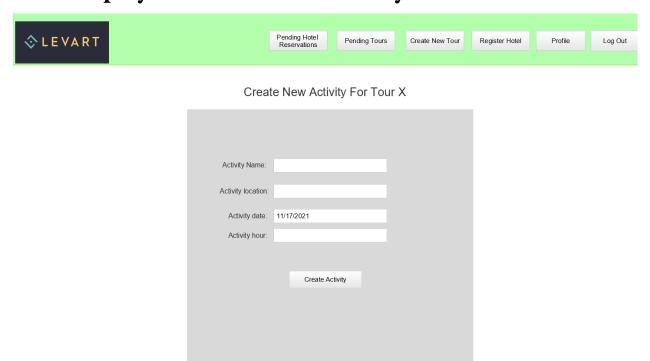
SELECT hotel.name, start_date, end_date, r_id
FROM books, contains, hotel, room
WHERE contains.roomID = books.RoomID AND hotel.h_id = room.h_id
AND books.r id = room.r id

3.19 Employee Create New Tour



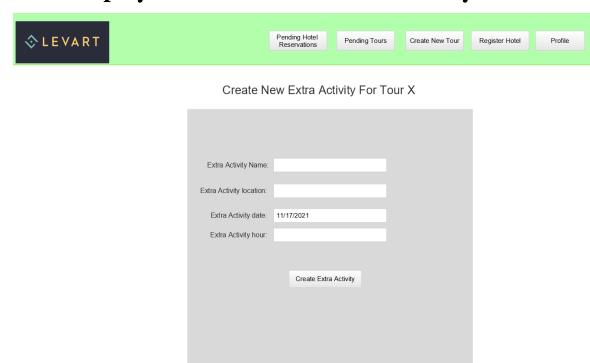
INSERT INTO tours VALUES (@t_id, @place, @type)
INSERT INTO tour_section VALUES (@ts_id, @start_date, @end_date, @t_id)
INSERT INTO guides VALUES (@emplyee_id, @ts_id, status)

3.20 Employee Create New Activity



INSERT INTO activity VALUES (@a_id, name, location, date, type)
INSERT INTO tour_activity VALUES (@ts_id, @a_id)

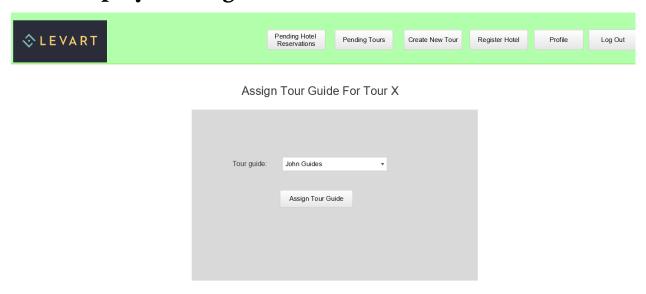
3.21 Employee Create New Extra Activity



Log Out

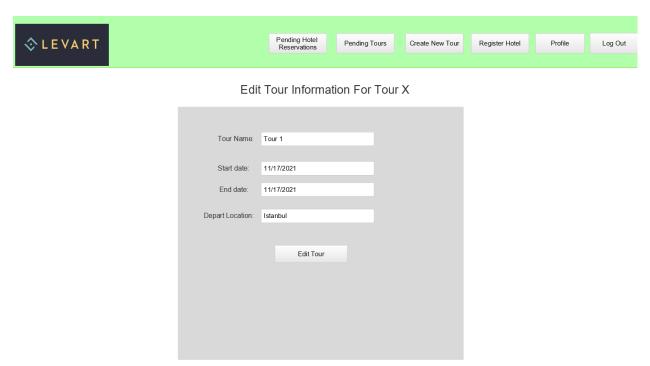
INSERT INTO activity VALUES (@a_id, name, location, date, type)
INSERT INTO tour_activity VALUES (@ts_id, @a_id)

3.22 Employee Assign Tour Guide



UPDATE guides SET @tg_id, status = 1 FROM tour_section WHERE tour_section.ts_id = @ts_id

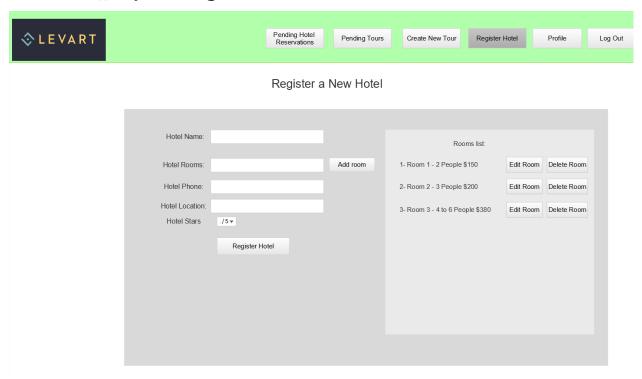
3.23 Edit Tour Information



UPDATE tours SET place=@place, type=@type WHERE t_id=@t_id

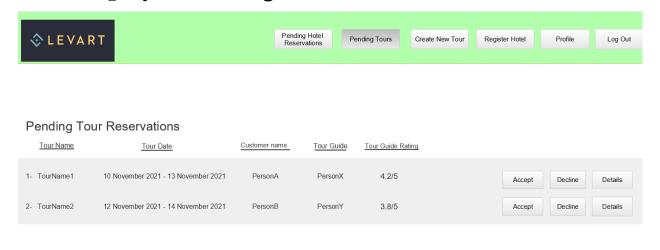
UPDATE tour_section SET start_date=@start_date, end_date=@end_date WHERE ts_id=@ts_id

3.24 Employee Register Hotel



INSERT INTO hotel VALUES (@h_id, name, phone, address, hc_id)
INSERT INTO room VALUES (@r_id, price, capacity, type, h_id)

3.25 Employee Pending Tours

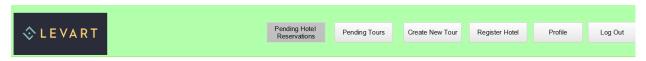


SELECT tour.name, start_date, end_date, tour_guide.name, customer.name FROM guides, tour_section, tour_guide, customer, tour, reservation, customer

WHERE

guides.ts_id = tour_section.ts_id AND
guides.tg_id = tour_guide.tg_id AND
tour.t_id = tour_section.ts_id AND
start_date > NOW() AND
customer.c_id = reservation.c_id AND
reservation.ts_id = tour_section.ts_id AND
status = "pending"

3.26 Employee Pending Hotel Reservations



Pending Hotel Reservations

Hotel Name	Hotel Location	# of Available Rooms	Room Number	Customer Name			
1- HotelName1	Location 1	7	Room 1 - 2 People - 150\$	PersonA	Accept	Decline	Details
2- HotelName2	Location 2	3	Room 5 - 3 People - 230\$	PersonB	Accept	Decline	Details
3- HotelName3	Location 3	4	Room 13 - 2 People King - 320\$	PersonC	Accept	Decline	Details
4- HotelName4	Location 4	2	Room 9 - 1 Person - 100\$	PersonD	Accept	Decline	Details

 $SELECT\ hotel.name,\ start_date,\ end_date,\ address,\ r_id,\ c_id,\ customer.name$

FROM books, contains, hotel, room, customer

WHERE

books.r id = contains.r id AND

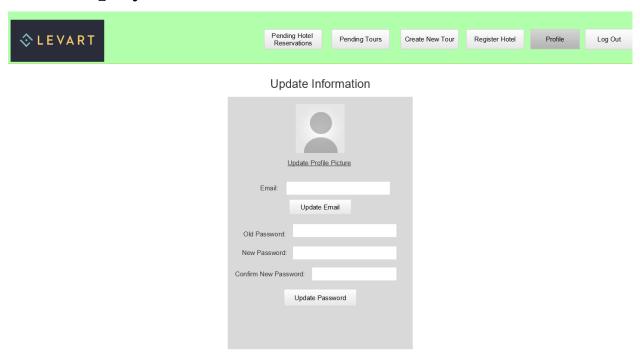
hotel.h id = contains.h id AND room.h id = hotel.h id AND

start_date > NOW() AND

customer.c id = books.c id AND

status = "pending"

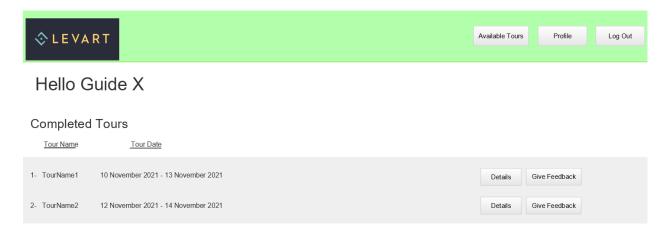
3.27 Employee Profile



UPDATE employee SET email = @email WHERE e_id = @e_id

UPDATE employee SET password_hash = @new_Password WHERE e_id = @e_id

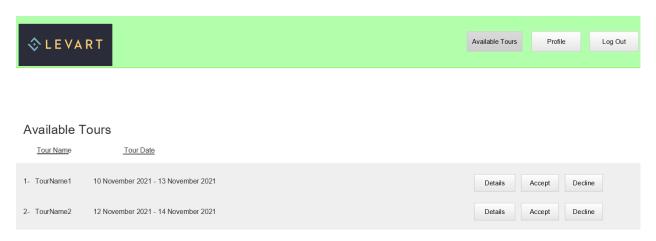
3.28 Tour Guide Dashboard



SELECT tour.type, start_date, end_date
FROM tour_section, guides, tour_guide, tour
WHERE end_date < NOW()

AND guides.tour_guide_id = tour_guide_id
AND tour.t_id = tour_section.ts_id

3.29 Tour Guide Available Tours



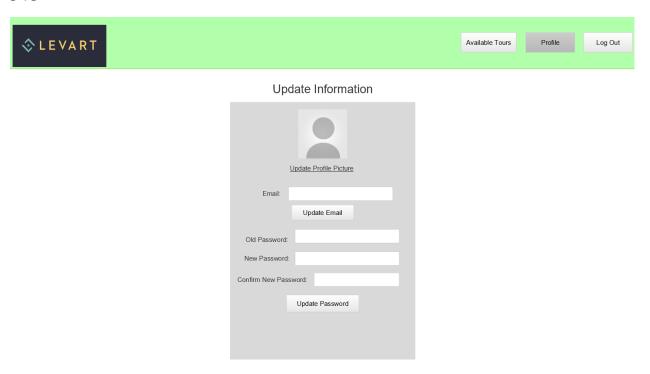
SELECT tour.name, start_date, end_date
FROM tour_section, guides, tour_guide, tour
WHERE start_date > NOW()
AND guides.tour_guide_id = tour_guide_id
AND tour.t_id = tour_section.ts_id AND
guides.status = "pending"

3.30 Tour Guide Feedback Form



INSERT INTO tour_guide_review VALUES (@tgr_id, comment, @tg_id, @ts_id)

3.31 Tour Guide Profile



UPDATE tour_guide SET email = @email WHERE e_id = @e_id

UPDATE tour_guide SET password_hash = @new_Password WHERE e_id = @e_id