



train station

Students Name	ID
Khaowlah Zakariya	2200002105
Fatimah ALharz	2200004362
Dema ALghamdi	2200001218
Amal ALotaibi	2200001746

Instructors :

L. Ezaz Aldahasi

TA. Fatimah Almuhammedsaleh

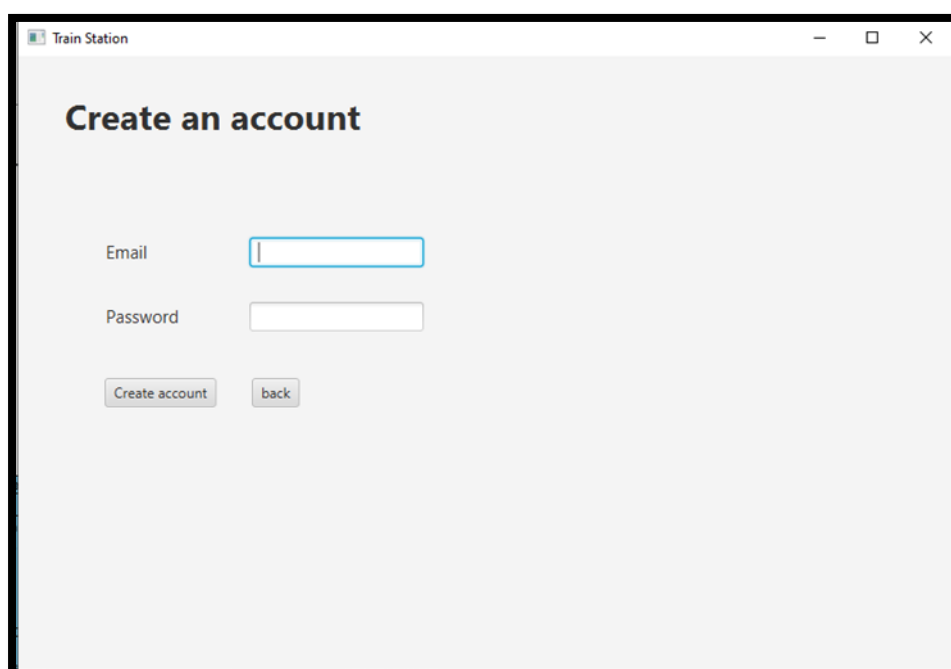
Academic year 1443-2022

How will the program work?

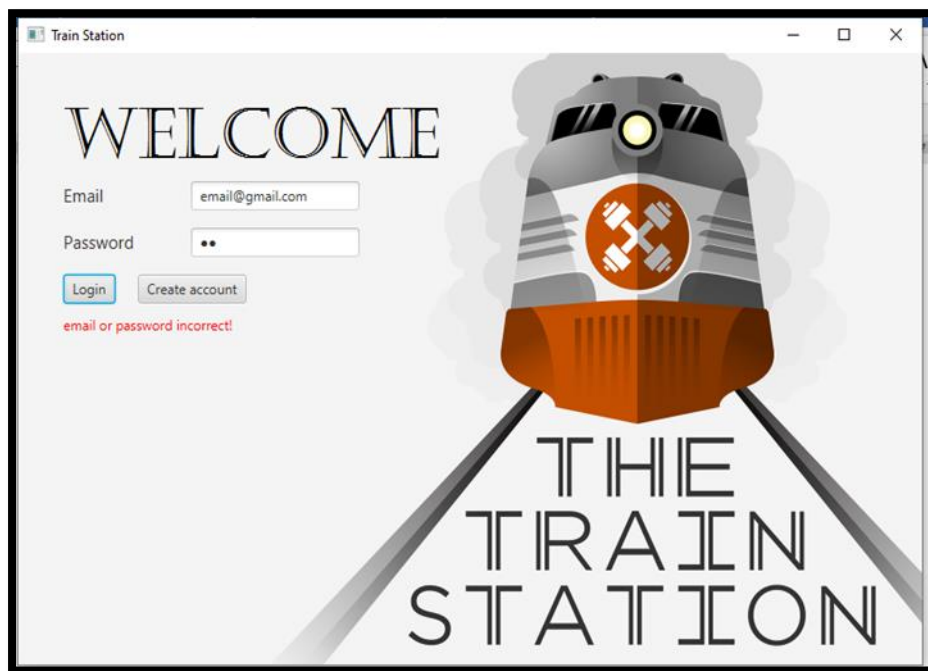
First : User enter his email and password to login or click on create account to create new account with user role:



Here the user will insert an unique email and a password.



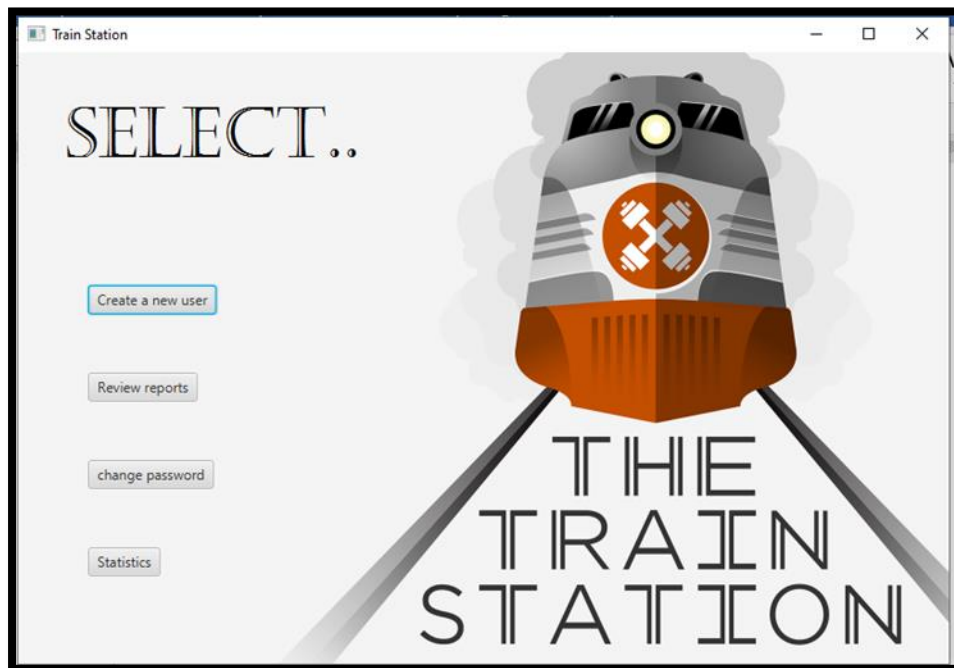
If user click on login button, then if either email or password incorrect, a message will appear



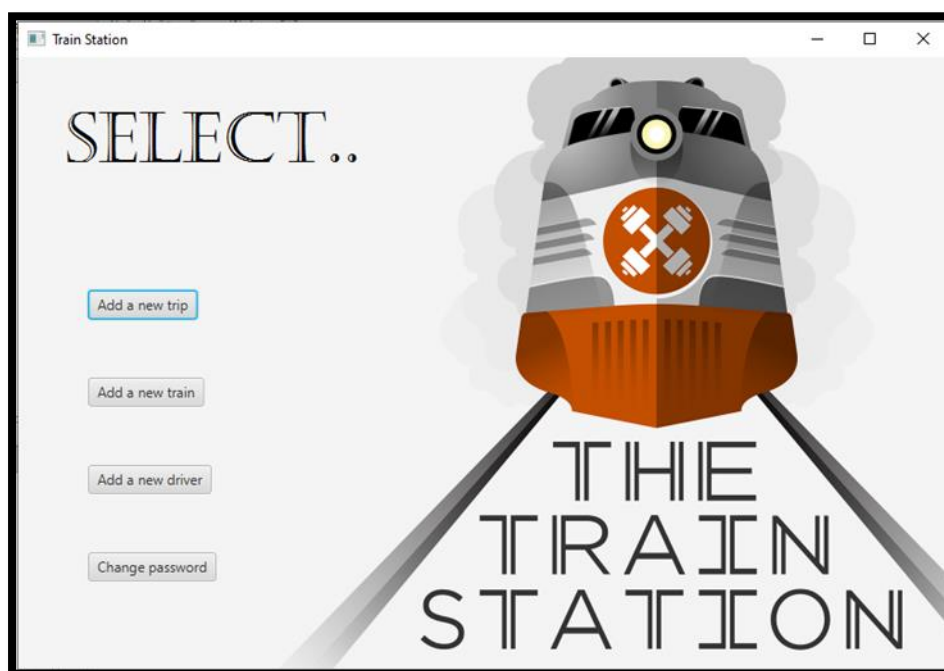
If both of email and password correct then the next interface will appear depending on user role:



Admin role:

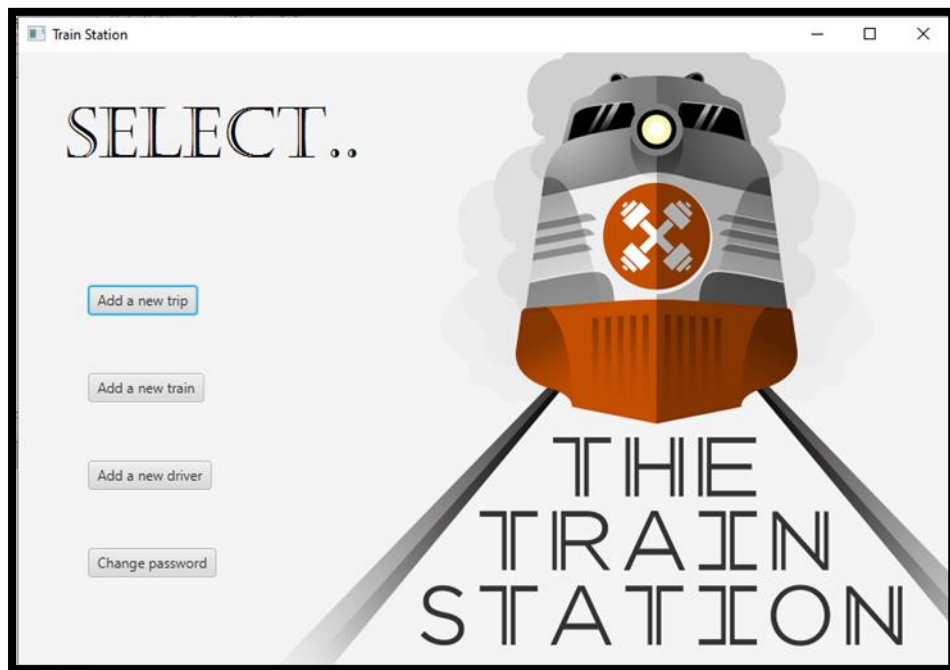


Employee role:

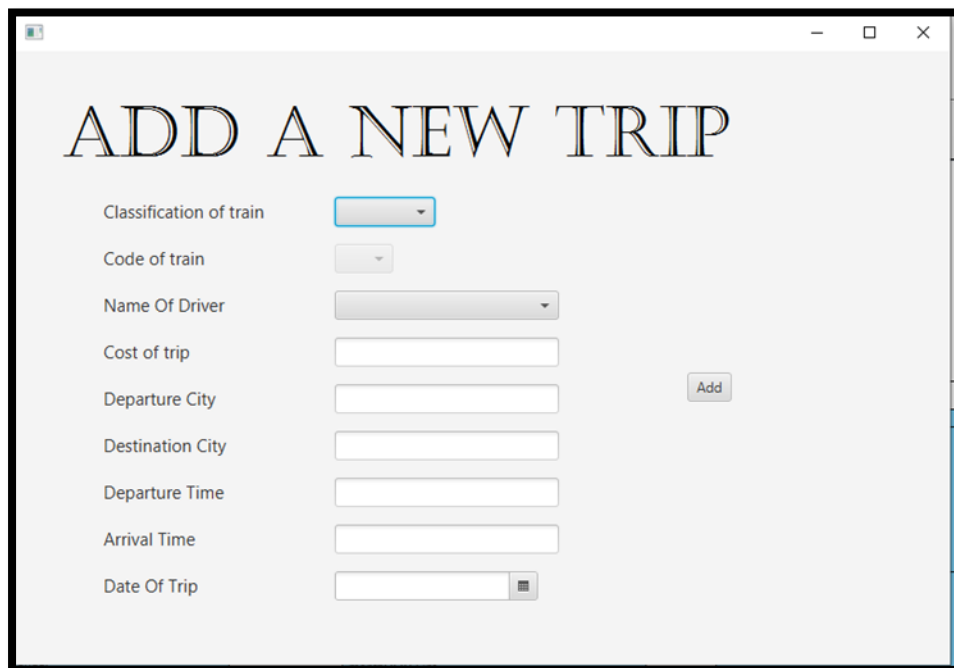


Employee interface:

If the employee click on “Add a new trip” then:



Here employee should fill fields .. when choosing classification of train then he can choose any train has same class..

A screenshot of the "ADD A NEW TRIP" form within the application. The form is titled "ADD A NEW TRIP" in a large, serif font. It contains several input fields and a button. The fields are: "Classification of train" (a dropdown menu), "Code of train" (a dropdown menu), "Name Of Driver" (a dropdown menu), "Cost of trip" (a text input field), "Departure City" (a text input field), "Destination City" (a text input field), "Departure Time" (a text input field), "Arrival Time" (a text input field), and "Date Of Trip" (a text input field with a calendar icon). An "Add" button is located to the right of the "Departure City" field.

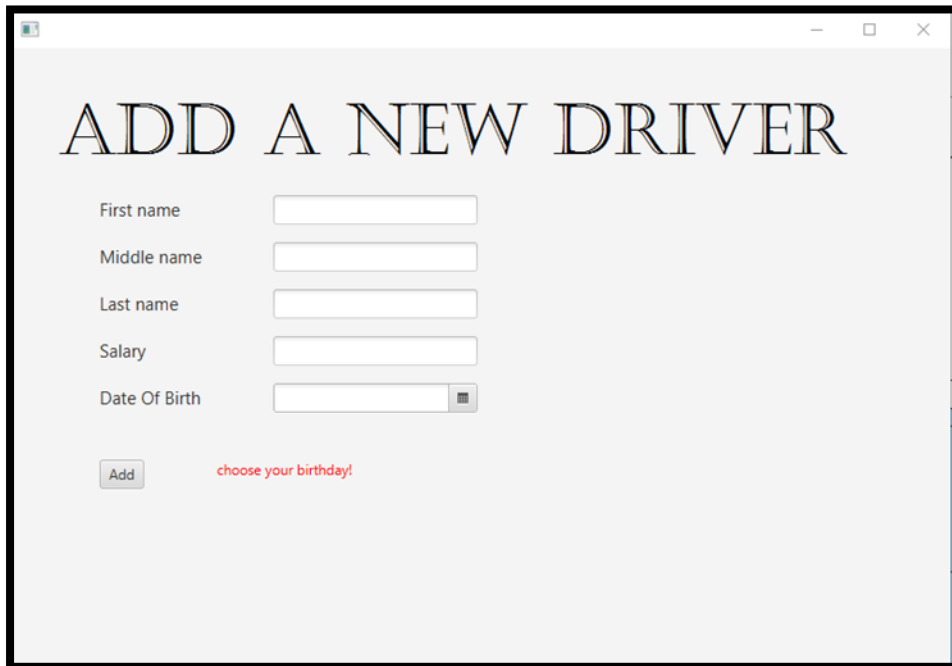
ADD A NEW TRIP

[illegible]

ADD A NEW TRAIN

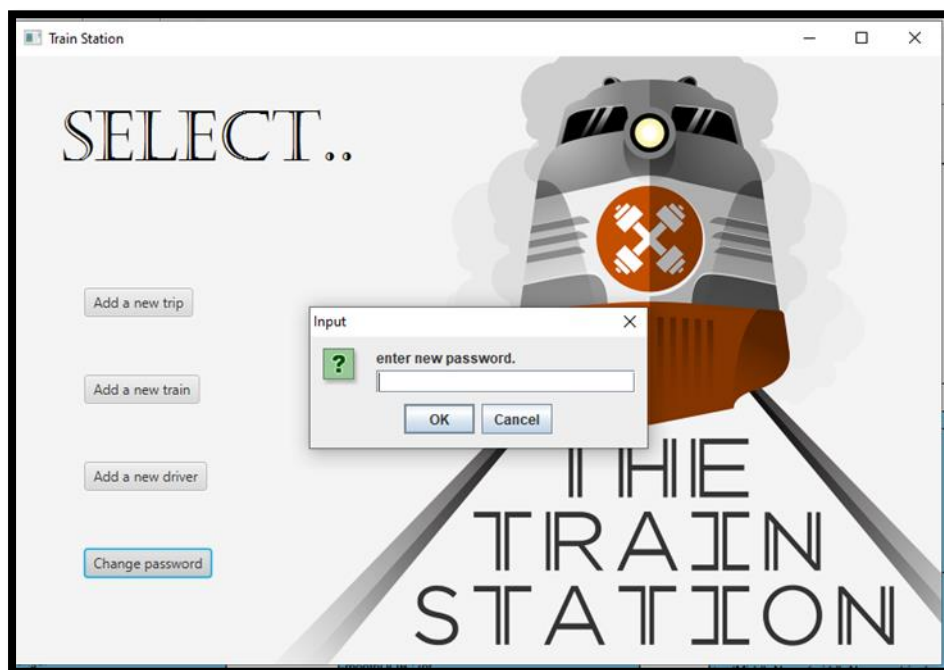
Classification	<input type="text"/>
Code	<input type="text"/>
Total number of seats	<input type="text"/>
<input type="button" value="Add"/>	

If the employee click on add a new driver:



A screenshot of a web application window titled "ADD A NEW DRIVER". The window has a light gray background. At the top, the title "ADD A NEW DRIVER" is displayed in a large, black, serif font. Below the title, there are five input fields arranged vertically, each with a label to its left: "First name", "Middle name", "Last name", "Salary", and "Date Of Birth". The "Date Of Birth" field includes a small calendar icon on its right side. Below the input fields, there is a small "Add" button and a red text message that says "choose your birthday!".

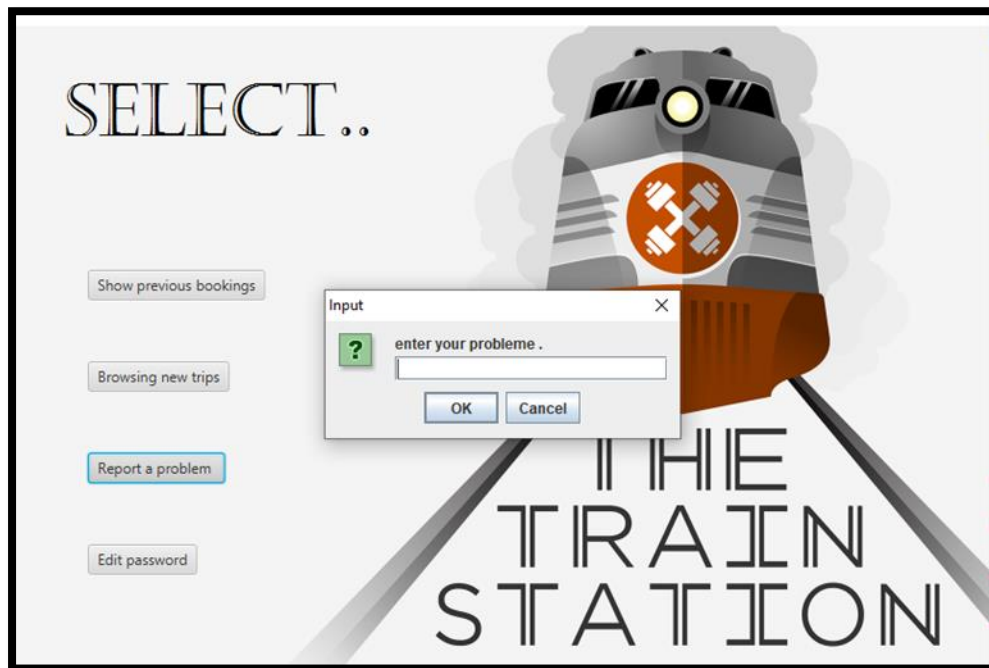
And of course employee can change his password by clicking on change password button



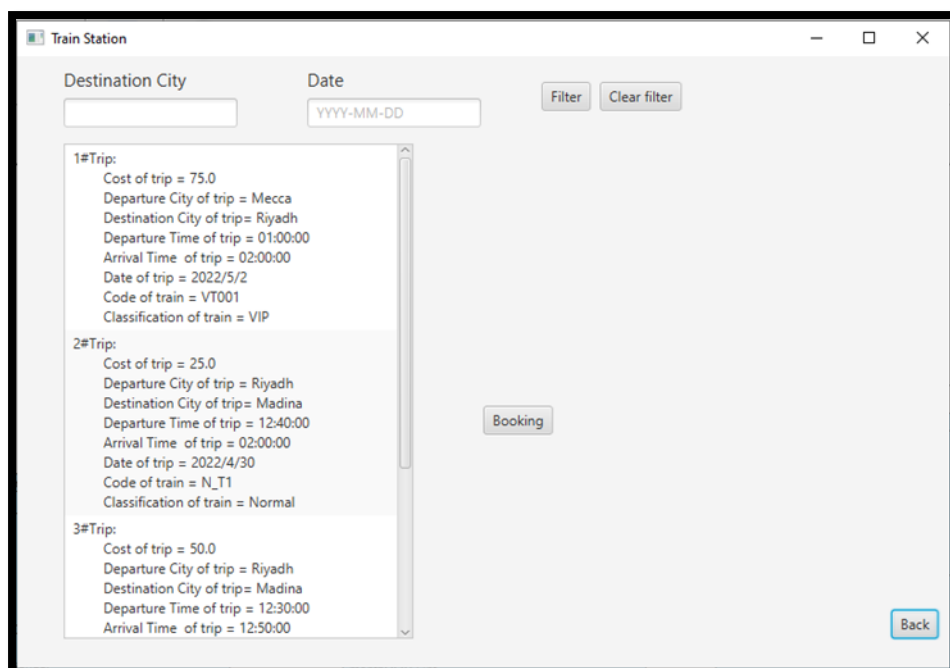
In the user interface:

Like employee can change his password

Can report any problem by clicking on “Report a problem” button:



Can browsing new trips



And can filter results by choosing destination city or date or both of them..

When user choose one of new trip .. he can click on booking button to book..

>>>>>>>>>>>>>>>>>>

Here he should enter information of passenger and click on complete button to save booking .

Train Station

BOOK YOUR TRIP

First name

Middle name

Last name

National number

Date Of Birth

Complete

Here by clicking on “show previous bookings”

The screenshot shows a window titled "Train Station" with a light gray background. At the top, it says "you can cancel booking while 3 days from booking date". Below this, there are two booking details sections. The first section, labeled "1#Booking:", has a white background and lists the following details: Cost of trip = 25.0, Departure City of trip = Riyadh, Destination City of trip = Madina, Departure Time of trip = 12:40:00, Arrival Time of trip = 02:00:00, Date of trip = 2022/4/30, Code of train = N_T1, Classification of train = Normal, Seat Number in train = 1, Date of booking = 2022/4/30, and National number of passenger = 854. The second section, labeled "2#Booking:", has a blue background and lists: Cost of trip = 50.0, Departure City of trip = Riyadh, Destination City of trip = Madina, Departure Time of trip = 12:30:00, Arrival Time of trip = 12:50:00, Date of trip = 2022/4/30, Code of train = F-01, Classification of train = Fast, Seat Number in train = 1, Date of booking = 2022/4/17, and National number of passenger = 753356874. To the right of these sections is a "Cancel Booking" button. At the bottom right of the window is a "Back" button.

you can cancel booking while 3 days from booking date

1#Booking:
Cost of trip = 25.0
Departure City of trip = Riyadh
Destination City of trip = Madina
Departure Time of trip = 12:40:00
Arrival Time of trip = 02:00:00
Date of trip = 2022/4/30
Code of train = N_T1
Classification of train = Normal
Seat Number in train = 1
Date of booking = 2022/4/30
National number of passenger = 854

2#Booking:
Cost of trip = 50.0
Departure City of trip = Riyadh
Destination City of trip = Madina
Departure Time of trip = 12:30:00
Arrival Time of trip = 12:50:00
Date of trip = 2022/4/30
Code of train = F-01
Classification of train = Fast
Seat Number in train = 1
Date of booking = 2022/4/17
National number of passenger = 753356874

Cancel Booking

Back

The user can cancel booking any trip just in while 3 days or he cannot.

In the admin interface:

By clicking on “Create a new user”

Here admin can add a new user with admin/employee role..

The screenshot shows a window titled "Train Station" with a light gray background. The main heading is "Create an account". Below this, there is a "select role" section with two radio buttons: "Admin" and "Employee". Below the radio buttons are two input fields: "Email" and "Password". At the bottom of the form are two buttons: "Create account" and "Back".

Create an account

select role
☐ Admin ☐ Employee

Email

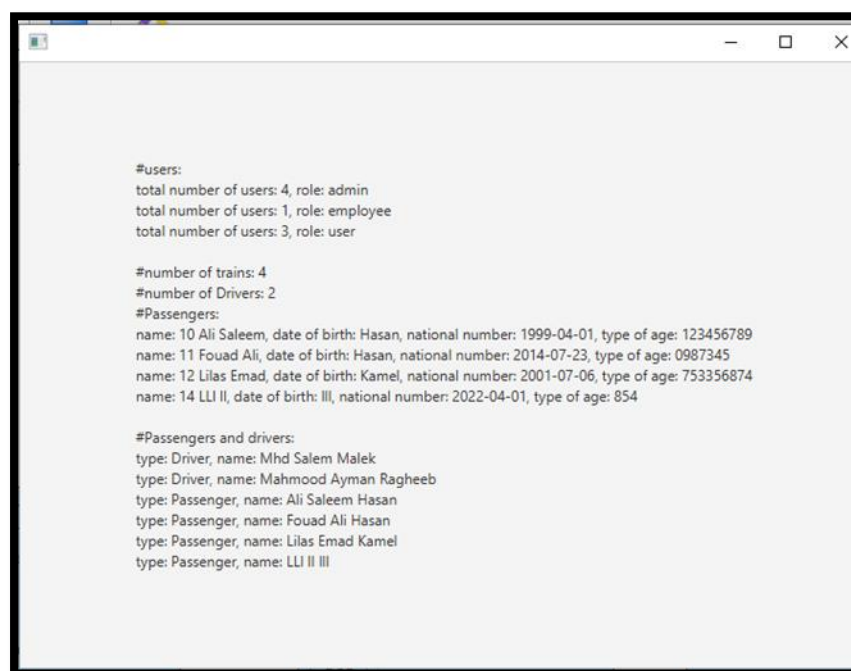
Password

Create account Back

View reports button:

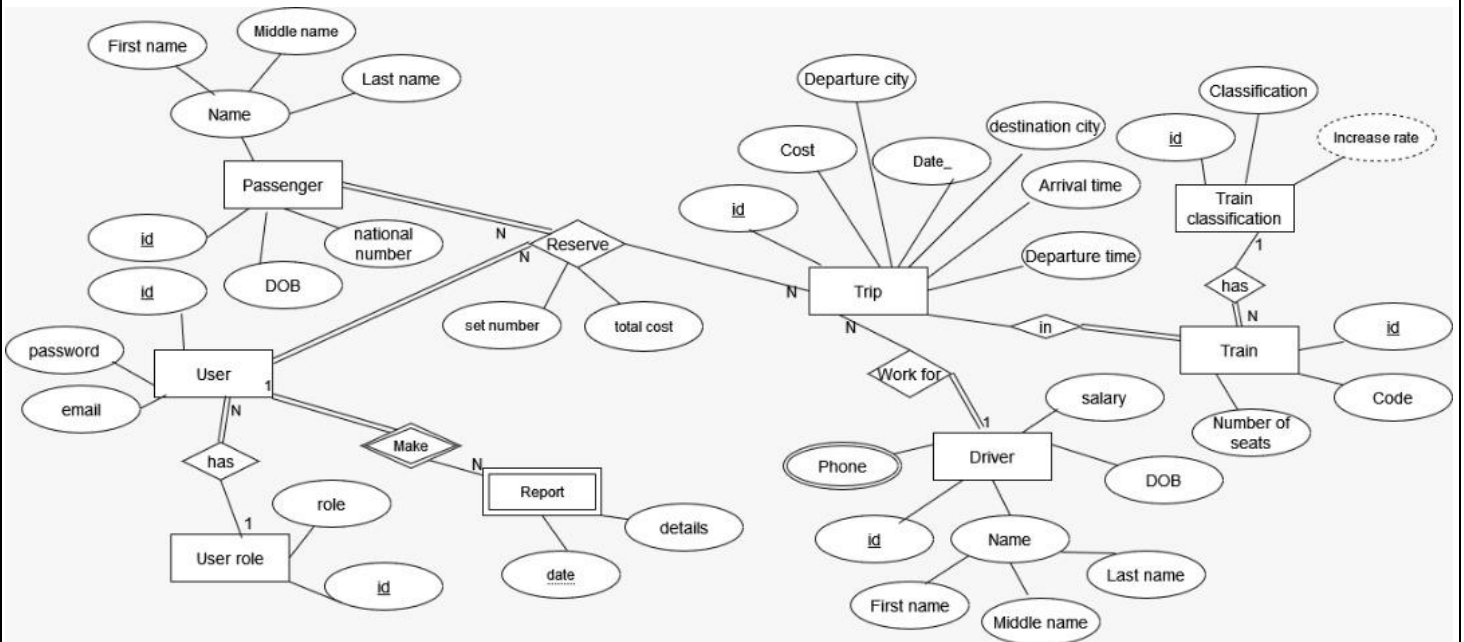


Statistics button:



database

ERD model:



Relational schema:

Passenger

First name	Middle name	Last name	<u>ID</u>	DOB	National number	<u>Trip ID</u>
------------	-------------	-----------	-----------	-----	-----------------	----------------

User

<u>User ID</u>	Password	Email	<u>ID_role</u>
----------------	----------	-------	----------------

Reserve

<u>ID</u>	<u>User ID</u>	Total cost	Seat number
-----------	----------------	------------	-------------

User role

<u>ID_role</u>	Role
----------------	------

Report

Date	Details	<u>User ID</u>
--------------	---------	----------------

Trip

<u>Trip ID</u>	Cost	Date	Departure City	Destination City	Arrival Time	Departure Time
----------------	------	------	----------------	------------------	--------------	----------------

Train

<u>Train ID</u>	Code	Number of Seats	<u>Trip ID</u>	<u>Class ID</u>
-----------------	------	-----------------	----------------	-----------------

Train Classification

<u>Class ID</u>	Classification
-----------------	----------------

Driver

<u>Driver ID</u>	First name	Middle name	Last name	DOB	Salary	<u>Trip ID</u>
------------------	------------	-------------	-----------	-----	--------	----------------

Driver_Phone

<u>Driver ID</u>	Phone
------------------	-------

user_role :

	ID	Role
	1	admin
	3	employee
	2	user

User :

	ID	email	password	RoleID
	1	user@gmial.com	12345	2
	2	user2@gmial.com	0000	2
	3	user3@gmial.com	pass	2
	4	admin@gmial.com	admin	1
	5	admin2@gmial.com	pAd	1
	6	admin3@gmial.com	09876	1
	7	em@gmial.com	emp012	3
	NULL	NULL	NULL	NULL

Driver :

	ID	First_Name	Middle_Name	Last_Name	DOB	Salary
	1	Mhd	Salem	Malek	1993-04-22	20000
	2	Mahmood	Ayman	Ragheeb	1987-03-01	15000
	NULL	NULL	NULL	NULL	NULL	NULL

train_classification :

	ID	Classification	increase__rate
	1	VIP	50
	2	Normal	0
	3	Fast	60
	NULL	NULL	NULL

train_station.train :

	ID	Code	number_Of_Seats	ClassID
	1	N_T1	40	2
	2	N_T2	50	2
	3	VT001	40	1
	4	F-01	25	3
	NULL	NULL	NULL	NULL

Trip :

ID	Cost	Departure_City	Destination_City	Departure_Time	Arrival_Time	Date_
21	50	Riyadh	Madina	12:30:00	12:50:00	2022-04-30
22	25	Riyadh	Madina	12:40:00	02:00:00	2022-04-30
23	75	Mecca	Riyadh	01:00:00	02:00:00	2022-05-02

trip_train :

ID	TrainID	TripID	DriveID
1	4	21	2
2	1	22	2
3	3	23	1

Passenger :

ID	First_Name	Middle_Name	Last_Name	DOB	National_Number
10	Ali	Saleem	Hasan	1999-04-01	123456789
11	Fouad	Ali	Hasan	2014-07-23	0987345
12	Lilas	Emad	Kamel	2001-07-06	753356874

Ticket :

ID	Date_	seat_Number	Trip_trainID	PassengerID	UserID
24	2022-04-17	1	3	10	1
25	2022-04-17	2	3	11	1
26	2022-04-17	1	1	12	1

train_station.report :

ID	Date_	details	UserID
1	2022-04-17	some probleme -_-	1
2	2022-04-17	I have a probleme -----	2