



Cairo University

Faculty of Computers and Artificial Intelligence

Database Project – IS211

Project name: Train Booking System

Section: S31, S32

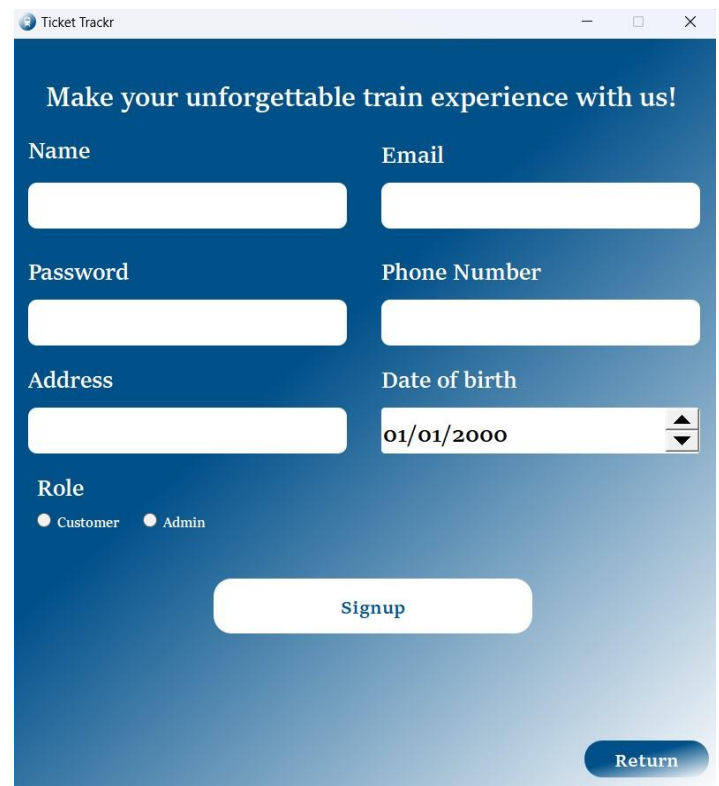
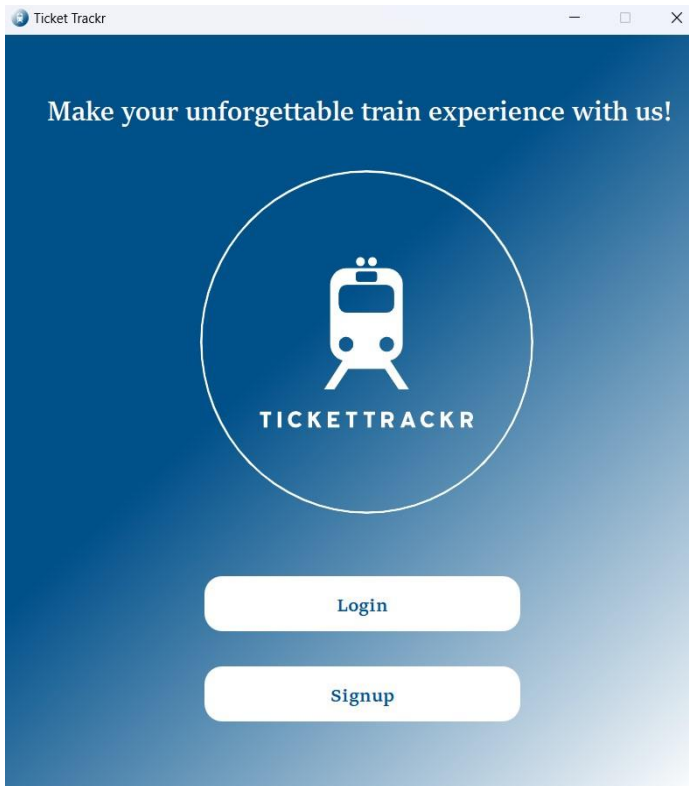
TA: Dina Abbas

Name:		ID:
1.	Nada Mohammed Abdel Hafez	20210422
2.	Shahd Abdel Moamen Abdullah	20211053
3.	Mohamed Waleed Mohamed	20210362
4.	Kareem Mohamed Abdel Moain	20210301

Screenshots of our program:

Note: We implemented the application program using python programming language, please install (pyodbc – Pyqt5) libraries by these commands to be able to run our program:

- **pip install pyodbc**
- **pip install pyqt5, pip install qt5-tools**



Ticket Trackr

Make your unforgettable train experience with us!

Name: Nada Email: naddaa26@gmail.com

Password: Phone Number: 01022199451

Address: Maadi Birth: 003

Role: ☒ Customer ☐ Admin

Signup

Return

Success registration! Signed up successfully! OK

Ticket Trackr

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Email:

Password:

Login

Return

Logged-in as a customer:

Ticket Trackr

Make your unforgettable train experience with us!

Please choose one of the following options:

Book a trip

Update your profile info

Find a trip

Your Trips

Return

Ticket Trackr

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All Available Trips

Trip Id	Departure Station	Arrival Station	Price	Start Date	End Date
17	maadi	helwan	40.0	2023-06-13 19:06:00	2023-06-13 20:06:00
19	maadi	helwan	60.0	2023-05-25 20:07:00	2023-05-25 22:07:00
20	luxor	alexandria	130.0	2023-05-24 08:08:00	2023-05-24 16:08:00
21	luxor	helwan	70.0	2023-05-24 20:09:00	2023-05-24 23:59:00
24	cairo	siwa	200.0	2023-05-25 16:17:00	2023-05-25 22:17:00
25	luxor	cairo	100.0	2023-05-24 20:18:00	2023-05-26 23:18:00
26	alexandria	aswan	30.0	2023-05-30 20:23:00	2023-05-31 20:23:00
27	aswan	alexandria	77.0	2023-06-13 20:24:00	2023-06-13 23:59:00
28	alexandria	giza	99.0	2023-07-20 13:26:00	2023-07-20 17:20:00
29	menofia	minia	88.0	2023-05-29 20:28:00	2023-05-29 23:28:00

Please double click on the trip to book it :)

Return

Ticket Trackr

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Departure Station: alexandria

Arrival Station: giza

Departure Date: 2023-07-20 13:26:00

Arrival Date: 2023-07-20 17:20:00

Total Price: 99.0

Seats: 1

Book This Trip

Return

Ticket Trackr

Make your unforgettable train experience with us!

Departure Station: alexandria

Arrival Station: giza

Departure Date: 2023-07-20 13:26:00

Arrival Date: 2023-07-20 17:20:00

Total Price: 99.0

Seats: 1

Book This Trip

Return

Success Booking! Successfully booked the trip! OK

Ticket Trackr

Make your unforgettable train experience with us!

Name: nadaa

Email: nada@email.com

Password: 123

Phone Number: 123

Address: 123

Date of birth: 01/01/2000

Role: ☒ Customer ☐ Admin

Update

Return

Ticket Trackr

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From: luxor To: cairo

Departure Date: 24/5/2023 8:18 PM

Seats: 1

Search for seats

Return

Ticket Trackr

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All booked trips

Booking ID	Departure Station	Arrival Station	Departure Date	Arrival Date
9	luxor	helwan	2023-05-24 20:09:00	2023-05-24 23:59:00
10	alexandria	giza	2023-07-20 13:26:00	2023-07-20 17:20:00

Please double click on the trip to cancel it :(

Return

Ticket Trackr

Make your unforgettable train experience with us!

Departure Station

alexandria

Arrival Station

giza

Departure Date

2023-07-20 13:26:00

Arrival Date

2023-07-20 17:20:00

Total Price

99.0

Seats Booked

1

Enter the number of seats you want to cancel:

1

Cancel These Tickets

Return

Logged-in as an admin:

Ticket Trackr

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Please choose one of the following options:

Add a train

Add a trip

Update a trip details

Update a train details

Show Report

Return

Ticket Trackr

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Capacity

Status

Active

Inactive

Number of cart

Manufacturer

Add Train

Return

Ticket Trackr

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Departure station

Arrival station

Departure Date

Arrival Date

24/5/2023 8:09 AM

24/5/2023 8:09 AM

Train ID

Price

Add Trip

Return

Ticket Trackr

Make your unforgettable train experience with us!

All Available Trips

Trip Id	Departure Station	Arrival Station	Price	Start Date	End Date
17	maadi	helwan	40.0	2023-06-13 19:06:00	2023-06-13 20:06:00
19	maadi	helwan	60.0	2023-05-25 20:07:00	2023-05-25 22:07:00
21	luxor	helwan	70.0	2023-05-24 20:09:00	2023-05-24 23:59:00
24	cairo	siwa	200.0	2023-05-25 16:17:00	2023-05-25 22:17:00
25	luxor	cairo	100.0	2023-05-24 20:18:00	2023-05-26 23:18:00
26	alexandria	aswan	30.0	2023-05-30 20:23:00	2023-05-31 20:23:00
27	aswan	alexandria	77.0	2023-06-13 20:24:00	2023-06-13 23:59:00
28	alexandria	giza	99.0	2023-07-20 13:26:00	2023-07-20 17:20:00
29	menofia	minia	88.0	2023-05-29 20:28:00	2023-05-29 23:28:00

Please double click on the trip to update it :)

Return

Ticket Trackr

Make your unforgettable train experience with us!

Departure station

Arrival station

aswan

alexandria

Departure Date

Arrival Date

13/6/2023 8:24 PM

13/6/2023 11:59 PM

Train ID

Price

3

77.0

Update Trip

Return

Ticket Trackr

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Train ID	Capacity	Status	Number of cart	Manufacturer
1	100	inactive	30	AtlasExpress
2	200	active	50	MTR
3	200	inactive	40	UniExpress
4	80	active	40	RailExpress
5	20	inactive	10	NKW
6	50	active	5	SKM
7	60	inactive	6	AMTRAK
8	150	active	25	GTR
9	40	inactive	6	GoAhead
10	100	active	20	FirstN
11	70	active	10	TransportForCai
12	200	active	50	CalTrain
13	30	inactive	3	GTR

Update Train

Delete Train

Return

Ticket Trackr

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Capacity

30

Status

Active

Inactive

Number of cart

3

Manufacturer

GTR

Update Train

Return

Ticket Trackr

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Train ID	Capacity	Status	Number of cart	Manufacturer
2	200	active	50	MTR
3	200	inactive	40	UniExpress
4	80	active	40	RailExpress
5	20	inactive	10	NKW
6	50			SKM
7	60			AMTRAK
8	150			GTR
9	40			GoAhead
10	100	active	20	FirstN
11	70	active	10	TransportForCal
12	200	active	50	CalTrain
13	30	inactive	3	GTR
16	20	inactive	10	MTR

Success deletion!
Train deleted successfully!
OK

Update TrainDelete Train

Return

Ticket Trackr

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Number of accounts

17

Number of bookings

5

Number of trains

13

Number of trips

15

Departure station	Arrival station	Number of trips	umber of booking	Average price
aswan	alexandria	1	0	77.0
Luxor	Alexandria	2	1	115.0
alexandria	aswan	1	1	30.0
aswan	cairo	1	0	150.0
luxor	cairo	1	0	100.0
dsadd	dsadsa	1	0	22.0
alexandria	giza	1	1	99.0
luxor	helwan	1	1	70.0
maadi	helwan	2	0	50.0
portsaid	ismailia	1	0	120.0

Return