



Jagannath University

DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING

Course Title: Database Management System Lab

Course Code: CSEL-2204

Project On: Car Sales and Management System

Submission to...
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Submitted by...
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1. Introduction

Overview (Summary of the Project) : The main goal of this “Car Sales And Management Project” is designing and developing an interactive car sales system. These details are routinely maintained depending on the numerous inputs and the changes made in the systems database. The alterations in the database can happen spontaneously, for example, after the system performs calculations on the direct inputs. This system essentially works on input-output entry mechanism. The car sales system follows closely with other developed information Systems focusing on achieving better transactions and more customer satisfaction.

Motivation (Why I choose this project) :

- 1) Environment friendly. (Less paper work, less tree cutting.)
- 2) Practical and timely project. (Car users and dealers are increasing rapidly.)
- 3) Enhance software development skills (For instance, we have to use basic OOP concepts like inheritance, encapsulation, polymorphism, abstract class and interface and we have to relate these concepts in various tools activities efficiently.)
- 4) We will come to realize the importance of teamwork in developing a user-friendly software efficiently and successfully.

Objectives (Outputs that helps society): The objective of this project is to overcome the limitation of the manual approach. This project is

started towards systematically automating all the work that is done manually at present. Our aim is to focus following aspects:

- 1) The main objective is to automate non computer environment.
- 2) To save manpower.
- 3) It will speed the processing of data and transaction.
- 4) It will provide all the error reporting and handling features, so that the user is warned and made aware of any foreseen errors. Thus, it will reduce the error rate.
- 5) It will provide best security features such as provisions of password.
- 6) It will manage all the information about Inventory, Cars, Car Owners and Inventory. This project is totally built at administrative end and thus only the administrator is guaranteed the access.

Report Organizations (Which section contains what): We will divide the whole project into 5 sections. They are described below:

- 1) **Customer Section:** In the customer section we have 2 categories. First category is buying cars. Here customer can buy numerous cars based on Brand or Model or Car Plate No or Price. The second category is selling cars. Here customer can sell his car/cars (if he has multiple cars) to the admin. In that case those cars will be recorded as used cars to the admin.
- 2) **Admin Section:** In this section also, there are 2 categories. First the admin will process the requested brand or model cars for the customers. Secondly admin can also buy cars of various brand

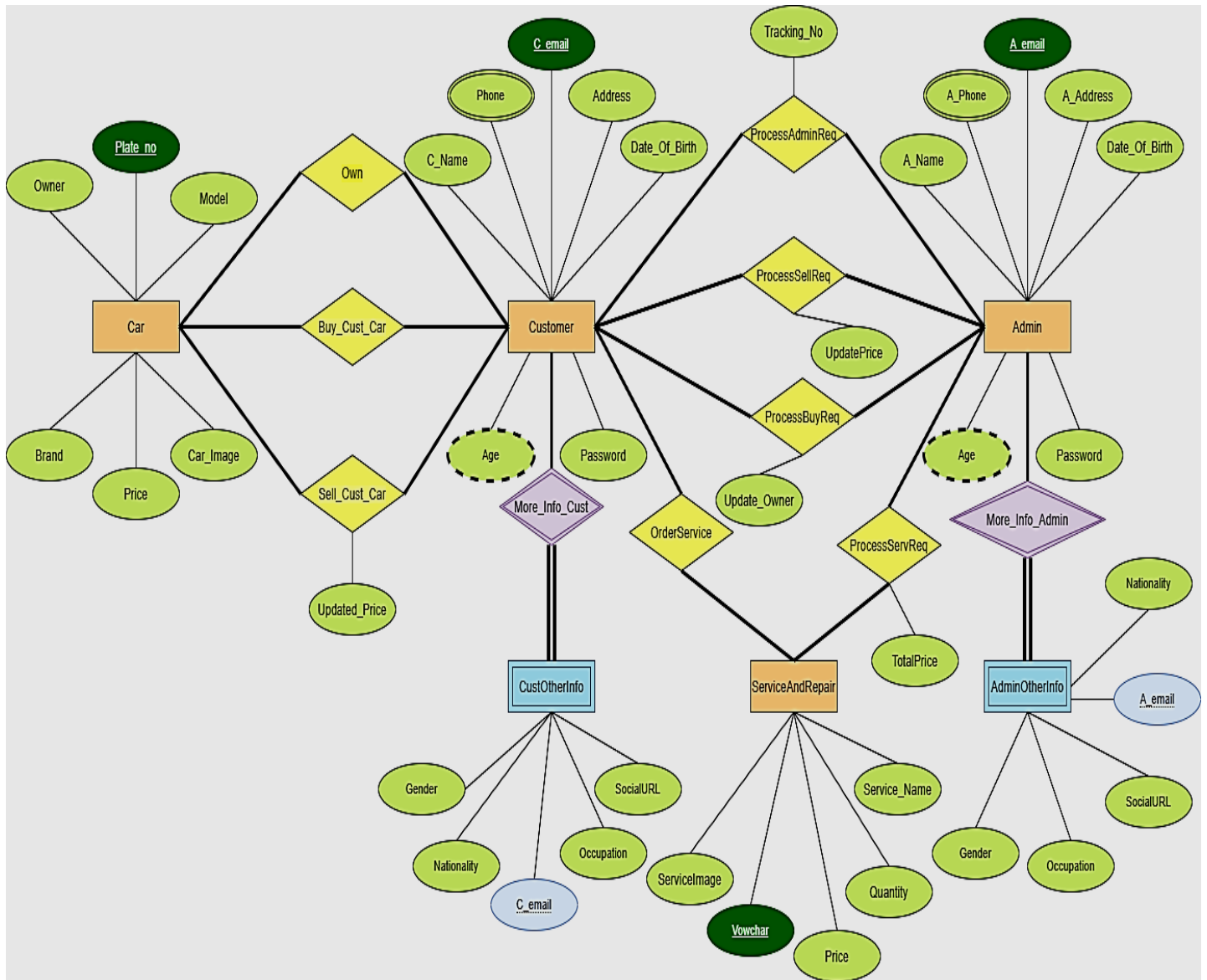
from the Car Inventory. In that case the admin has to login in the project system as a customer.

- 3) Service and Repair Section:** In this section customer and admin both can buy various parts of cars like Tires, Paintings, Wheel, Glass, Engine, Petrol etc.
- 4) Add Cars and Services Section:** Here Admin can add new cars and services (services means different parts of a car) to the Inventory. In this project there is also the facility of adding used cars and services (those cars and services that are sold out by the customer) in the Car Inventory.
- 5) Others:** Besides buying or processing cars and services by customers/Admins, there is also some other interesting facilities. For example, in this project we have New Admin Request section i.e. a customer can request to the present admins to become a new admin. Also, we have videos and reviews section where a customer can watch videos on using and manipulating various parts of cars like tire, wheel etc. efficiently. Also, he/she can view the reviews of other customers on facility of this project management.

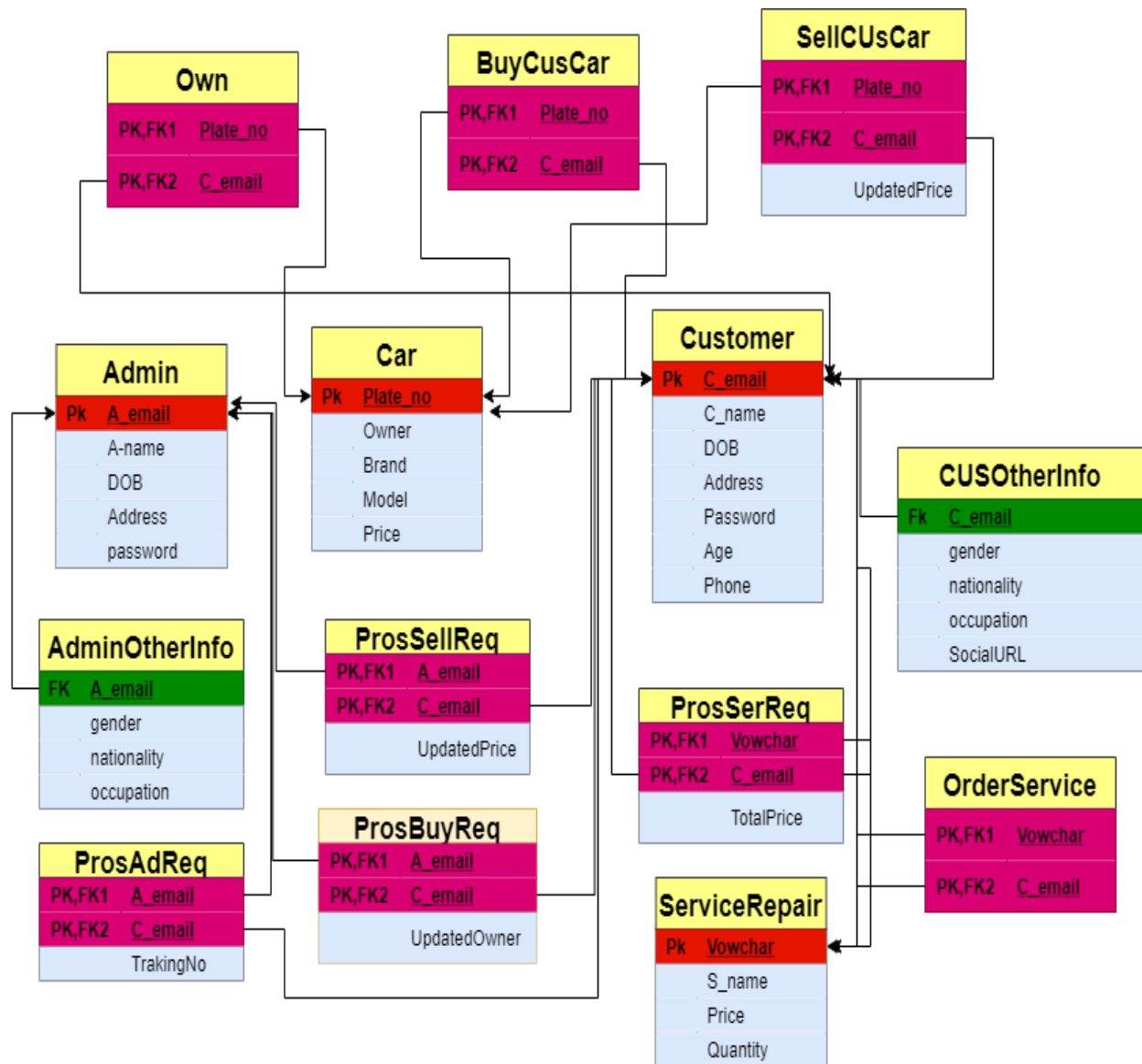
2. Tools

- a) JAVA**
- b) JAVA-Swing**
- c) MySQL**
- d) Netbeans IDE**
- e) XAMPP**

3. ER diagram



4. Schema diagram



5. Features along with database change

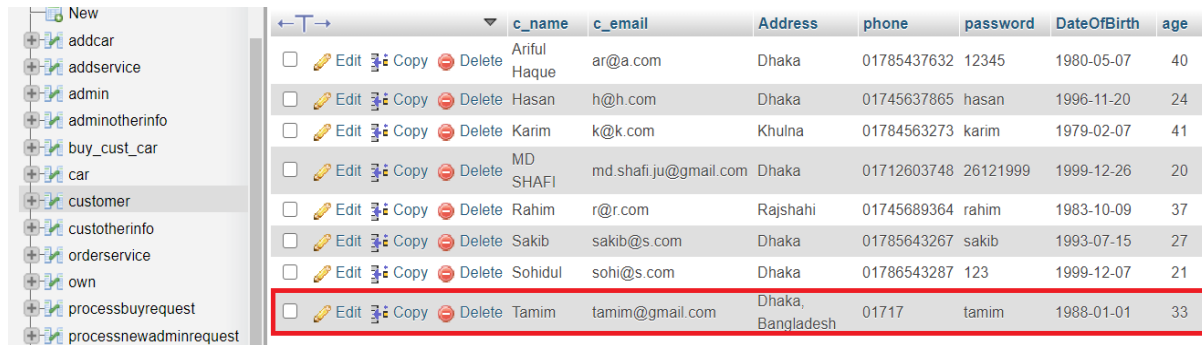
This is the home page of our entire project.



Here a new customer account is created. The customer has to provide all the necessary information(name, email, password, retype password, mobile no, address, date of birth, gender, occupation, nationality, social media). If the password and retype password match, then after clicking the “Sign Up” button a popup message will be displayed showing “New customer account created”. At the same time age(derived attribute) is also calculated from date of birth.

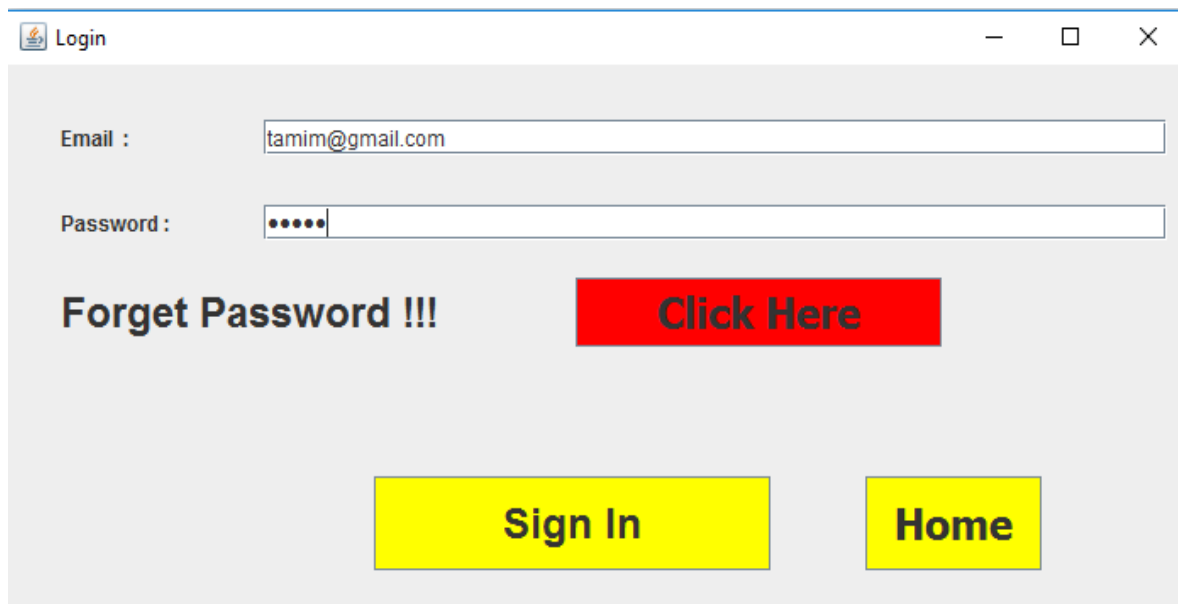
A screenshot of a web browser window titled "Create Account". The form contains the following fields: Name (filled with "Tamim"), Email No (filled with "tamim@gmail.com"), Password (masked with dots), Retype Password (masked with dots), Mobile No (filled with "01717"), Address (filled with "Dhaka, Bangladesh"), and Date Of Birth (filled with "Jan 1, 1988"). Below these fields, the calculated age is displayed as "33 Years 0 Months 2 Days". There are radio buttons for Gender (Male is selected) and a dropdown for Occupation (set to "Student"). There are checkboxes for Nationality (Bangladeshi is checked) and a dropdown for Social Media (set to "Facebook"). A yellow "Sign Up" button is on the right. A yellow "Home" button is also visible on the right. A modal message box is open in the center, displaying an information icon, the text "New customer account created", and an "OK" button.

In the database a new record/tuple is inserted in the “customer” table showing all the details of the newly added customer “Tamim”.



| | c_name | c_email | Address | phone | password | DateOfBirth | age |
|--------------------------|--------------|-----------------------|-------------------|-------------|----------|-------------|-----|
| <input type="checkbox"/> | Ariful Haque | ar@a.com | Dhaka | 01785437632 | 12345 | 1980-05-07 | 40 |
| <input type="checkbox"/> | Hasan | h@h.com | Dhaka | 01745637865 | hasan | 1996-11-20 | 24 |
| <input type="checkbox"/> | Karim | k@k.com | Khuina | 01784563273 | karim | 1979-02-07 | 41 |
| <input type="checkbox"/> | MD SHAFI | md.shafi.ju@gmail.com | Dhaka | 01712603748 | 26121999 | 1999-12-26 | 20 |
| <input type="checkbox"/> | Rahim | r@r.com | Rajshahi | 01745689364 | rahim | 1983-10-09 | 37 |
| <input type="checkbox"/> | Sakib | sakib@s.com | Dhaka | 01785643267 | sakib | 1993-07-15 | 27 |
| <input type="checkbox"/> | Sohidul | sohi@s.com | Dhaka | 01786543287 | 123 | 1999-12-07 | 21 |
| <input type="checkbox"/> | Tamim | tamim@gmail.com | Dhaka, Bangladesh | 01717 | tamim | 1988-01-01 | 33 |

Customer “Tamim” login into the system by typing his email and password and clicking the “Sign In” button. If he types incorrectly then a pop-up message will be showed “wrong password or email”.



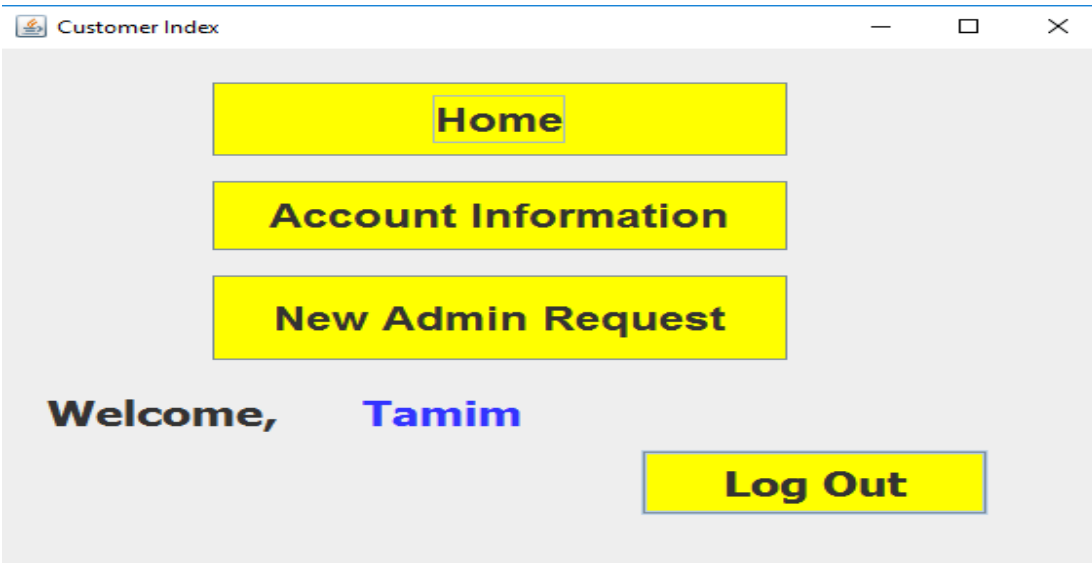
Login

Email :

Password :

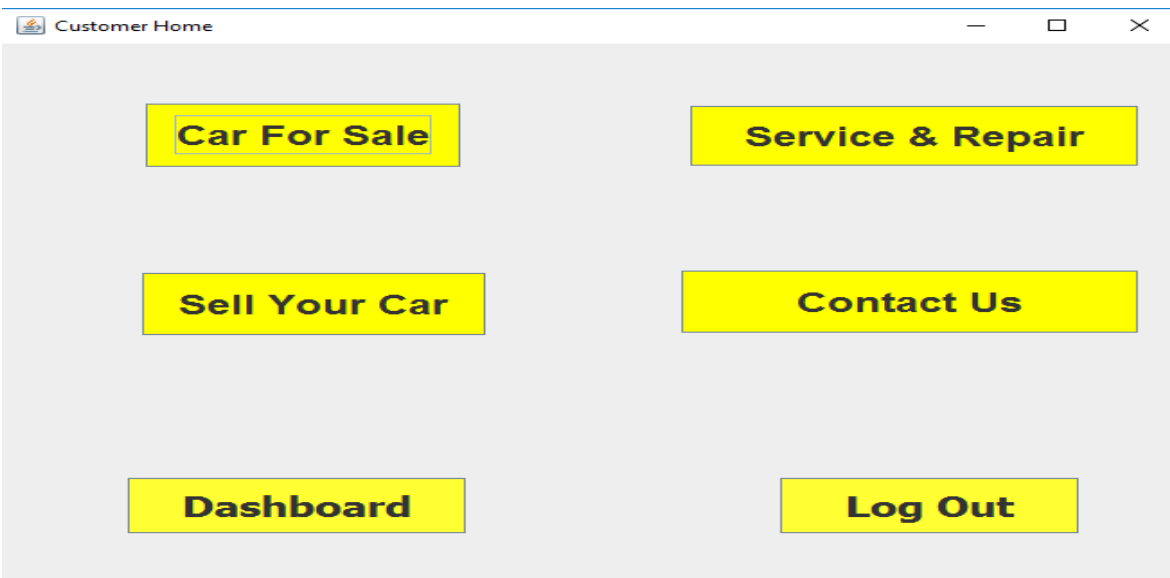
[Forget Password !!!](#)

After successfully signing up, Tamim’s dashboard opens and there we can see some other options.



If Tamim clicks the “Home” button in his dashboard then the following page will be opened. Here we can see four options.

- (1) Tamim can request to buy a car(Car For Sale).
- (2) Tamim can sell his car or cars(if he has multiple cars).(Sell Your Car).
- (3) Tamim can buy various services.(Services and Repair).
- (4) Contact Us.(for contacting with the admins).



After clicking the “Car For Sale” button the following page is opened. Here, if Tamim clicks “Show All Cars” button then the list of all cars will be showed in the table. If Tamim chooses a particular car and clicks the “Check” button, then all information of cars(Plate_no, Brand, Model and Car Image) will be showed. Then if Tamim clicks the “Buy” button after confirming his email, then a request will be sent to the admin (we can see that in the popup message dialogue).

Customer Car For Sale

Show All Cars

| Plate No, | Brand | Model | Ownership | Price |
|-----------|---------------|------------------|-----------|--------|
| DX-101 | Aston Martin | DB7 Vantage V... | New | 20988 |
| LG-202 | Lamborghini | HuracanLP610-4 | Karim | 204500 |
| LG-207 | Lamborghini | Huracan LP580... | New | 206880 |
| MB-555 | Mercedes-Benz | AMG GT S | New | 84945 |
| MB-777 | Mercedes-Benz | SLS AMG Base | New | 144800 |
| MER-577 | Mercedes-Benz | CL-550 | New | 17985 |
| MG-755 | Mercedes-Benz | SLR McLaren | New | 299800 |
| NS-678 | Nissan | GT-R Premium | New | 125000 |
| TT-722 | Toyota | Highlander LE | New | 1111 |

Plate No:

DX-101

Price

20988

Model

DB7 Vantage Volante

Brand

Aston Martin

Message

Request send !!!

OK

Check

Confirm email to buy..

tamim@gmail.com

Buy

Dashboard

Log Out

In the “buy_cust_car” table a new tuple or record is inserted where the c_email denoting the customer email who has sent the request to buy the car and the requested car plate_no.

admin

adminotherinfo

buy_cust_car

car

customer

custotherinfo

orderservice

own

processbuyrequest

Show all | Number of rows: 25

+ Options

| c_email | plate_no |
|-----------------|----------|
| k@k.com | LG-202 |
| tamim@gmail.com | DX-101 |

Show all | Number of rows: 25

The following page shows the customer service and repair page where the customer can buy various parts of the car according to his demand. If the customer clicks the “Order” button after confirming his email, then his/her request will be sent to the admin. (We can see that in the popup message).

Customer Service And Repair

Available Services

| Service Name | Quantity | Per Unit Price | Vowchar |
|--------------|----------|----------------|---------|
| Tyre | 40 | 30 | S-101 |
| Wheel | 50 | 50 | S-102 |
| Chasis | 8 | 25 | S-103 |
| Car Wash | 21 | 50 | S-105 |
| Engine | 100 | 70 | S-106 |

Vowchar ID S-101

Quantity 4

Name Tyre


Total Price 120

Confirm email: tamim@gmail.com

Calculator

Order

Dashboard **Log Out**



Message
Request submitted to admin !!!
OK

In the “orderservice” table new tuple or record is inserted where “c_email” denotes the customer email who requested the particular service. “Voucher” is the voucher ID of the service item. “quantityAsk” denotes how much the customer requested, “totalCost” is self-explanatory.

| | | | | | | | | |
|-----|----------|----------------|--------------|-----|-------------------|------------------------|--------------------|-----------------------|
| car | customer | custootherinfo | orderservice | own | processbuyrequest | processnewadminrequest | processsellrequest | processservicerequest |
|-----|----------|----------------|--------------|-----|-------------------|------------------------|--------------------|-----------------------|

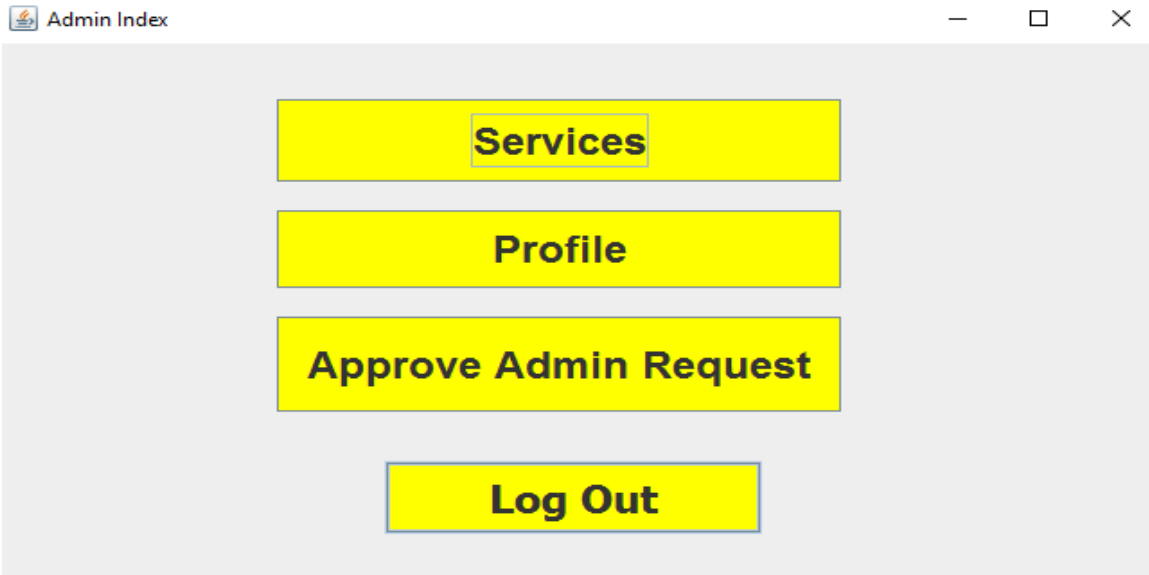
☐ Show all | Number of rows: 25 | Filter rows: Se

+ Options

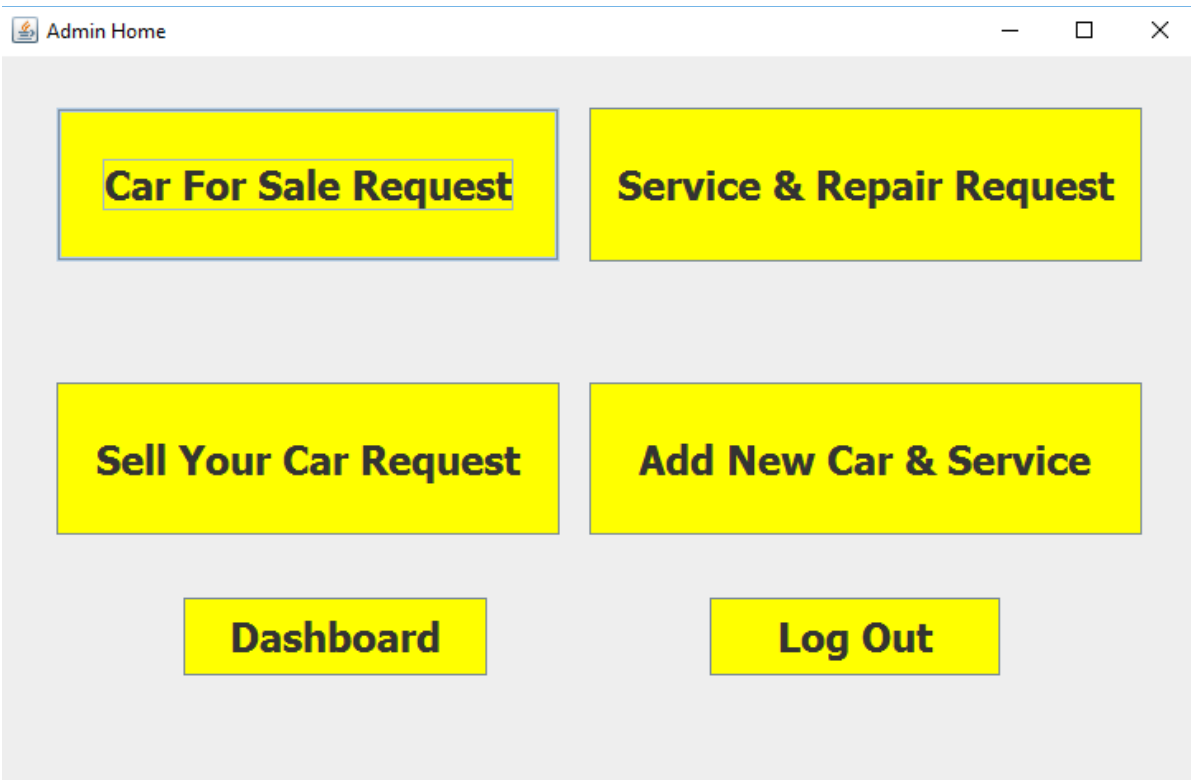
| c_email | vowchar | totalCost | quantityAsk |
|-----------------------|---------|-----------|-------------|
| md.shafi.ju@gmail.com | S-108 | 120 | 3 |
| tamim@gmail.com | S-101 | 120 | 4 |

☐ Show all | Number of rows: 25 | Filter rows: Se

after login as an Admin the following admin dashboard page will be opened.



after clicking the “Services” button the following page will be opened. Here we can see an admin can process BuyCarRequest, SaleCarRequest, Service and Repair request and admin can also adds new car and service.



After clicking the “Car For Sale Request” button the following page will be opened. Here by ensuring the customer email, admin email and plate_no and by clicking the “Approve

Request” button, the admin has processed the particular car. A popup message will be showed “Car Added”.(That is car added to the owner named “Tamim”).

Admin Car For Sale Request

Dashboard
Pending Requests
Log Out


| Plate | Brand | Model | Owner | Price | Cust_Name | Cust_Email | Cust_Addre... |
|--------|--------------|---------------|-------|--------|-----------|-------------|---------------|
| LG-202 | Lamborghini | HuracanLP... | Karim | 204500 | Karim | k@k.com | Khulna |
| DX-101 | Aston Martin | DB7 Vantag... | New | 20988 | Tamim | tamim@gm... | Dhaka, Ban... |

Customer Email
tamim@gmail.com

Admin Email
r@r.com

Plate No
DX-101

Approve Request



Admin information who has processed this request

| Cust_Email | Cust_Name | New Owner | Admin_Email |
|------------|-----------|-----------|-------------|
| k@k.com | Karim | Karim | r@r.com |

Updated Car ownership information for customers

| Cust_Email | Cust_name | Plate No | Model | Brand | Owner |
|------------|-----------|----------|----------------|-------------|-------|
| k@k.com | Karim | LG-202 | HuracanLP610-4 | Lamborghini | Karim |

Message
Car added !!!
OK

In the “processbuyrequest” table new tuple is inserted showing the c_email (who bought the car), a_email(who processed the buying activities) and updateOwner(showing the recent new owner of the car). In the “buy_cust_car” table, the record (in which the customer “Tamim” requested for buying) will be deleted because his request has already been processed. Also from the car table, the specific car (whose owner is now Tamim) record will be deleted.

The screenshot shows a database management interface. On the left, a sidebar lists various database operations, with 'processbuyrequest' highlighted. The main area displays a table with three columns: 'c_email', 'a_email', and 'updateOwner'. The table contains several rows of data, with the row for 'tamim@gmail.com' highlighted in red. Below the table, there are controls for 'Show all', 'Number of rows' (set to 25), and 'Filter rows'. A 'Query results operations' button is also visible.

| c_email | a_email | updateOwner |
|-----------------------|----------|-------------|
| n@n.com | r@r.com | Hasan |
| h@h.com | r@r.com | Hasan |
| k@k.com | r@r.com | Karim |
| k@k.com | h@h.com | Karim |
| md.shafi.ju@gmail.com | k@k.com | MD SHAFI |
| md.shafi.ju@gmail.com | k@k.com | MD SHAFI |
| sakib@s.com | ar@a.com | Sakib |
| sakib@s.com | ar@a.com | Sakib |
| k@k.com | r@r.com | Karim |
| k@k.com | r@r.com | Karim |
| tamim@gmail.com | r@r.com | Tamim |

As Tamim bought the “Aston Martin” car recently, his account profile page also reflects the picture of his car along with his other information.

Customer Dashboard

Account Info

Name

Tamim

Email

tamim@gmail.com

Address

Dhaka, Bangladesh

Date Of Birth

1988-01-01

Age

33

Mobile No.

01717

Dashboard

Log Out

Show Other Info

Gender : Male

Nationality :
Bangladeshi

Occupation :
Student

Social Media :
Facebook

Car Info

| Email | Plate no | Name | Model | Brand | Image |
|------------|----------|-------|--------------|--------------|-------|
| tamim@g... | DX-101 | Tamim | DB7 Vanta... | Aston Martin | |

In the “own” table new records will be inserted with the information of the recent owner(“Tamim”) and recent car info(“Aston Martin”).

| | | | | | | |
|------------------------|-----------------|---------|-------|---------------------|--------------|--------------------|
| customer | sakib@s.com | LG-204 | Sakib | Aventador LP700-4 | Lamborghini | [BLOB - 148.0 KiB] |
| custootherinfo | k@k.com | HON-267 | Karim | Civic LX | Honda | [BLOB - 76.0 KiB] |
| orderservice | k@k.com | LG-202 | Karim | HuracanLP610-4 | Lamborghini | [BLOB - 152.0 KiB] |
| own | tamim@gmail.com | DX-101 | Tamim | DB7 Vantage Volante | Aston Martin | [BLOB - 66.0 KiB] |
| processbuyrequest | | | | | | |
| processnewadminrequest | | | | | | |
| processsellrequest | | | | | | |

☐ Show all
 Number of rows: 25
 Filter rows: Search this table

The following page is the service and repair request JFrame. Here after ensuring the customer email, admin email, voucher ID and clicking the “Approve Request” button the admin has processed the service request.

Admin Service And Repair Request

Dashboard
Pending Requests
Log Out

| Cust_Name | Cust_Email | Vowchar | Service Name | Available Qty | Asked Qty | Unit Price | Total Cost |
|-----------|----------------|---------|--------------|---------------|-----------|------------|------------|
| MD SHAFI | md.shafi.ju... | S-108 | Painting | 17 | 3 | 40 | 120 |
| Tamim | tamim@gm... | S-101 | Tyre | 40 | 4 | 30 | 120 |

Customer Email
Admin Email
Voucher ID

tamim@gmail.com
r@r.com
S-101

Approve Request

Admin and other information after request processed

| Cust_Name | Cust_Email | Admin_Email | vowchar | Service Na... | Quantity | Unit Price | Total Cost |
|-----------|-------------|-------------|---------|---------------|----------|------------|------------|
| Tamim | tamim@gm... | r@r.com | S-101 | Tyre | 4 | 30 | 120 |

Updated inventory table for that service

| Service Name | Quantity | Price | Vowchar |
|--------------|----------|-------|---------|
| Tyre | 36 | 30 | S-101 |

In the “processservicerequest” table showing the a_email(the admin who has processed the request), the other information of the service(voucher ID, price, quantity, total price) of the particular service item and also in the “serve_repair” table the quantity of the particular service item(Car Light) is updated(4 items will be deducted from the total for this particular service item).

+ Options

| a_email | vowchar | price | quantity | totalPrice |
|---------|---------|-------|----------|------------|
| r@r.com | S-108 | 40 | 3 | 120 |
| r@r.com | S-105 | 50 | 3 | 150 |
| k@k.com | S-103 | 25 | 2 | 50 |
| r@r.com | S-101 | 30 | 4 | 120 |

☐ Show all
Number of rows: 25
Filter

Query results operations

+ orderservice
+ own
+ processbuyrequest
+ processnewadminrequest
+ processsellrequest
+ processservicerequest
+ sell_cust_car
+ serve_repair
+ test

The following page is the page where a customer can sell his car. Tamim first confirms his email address and sets the updated price and then click the “Sell Request” button so request has been sent to the admin.(We can also see that in the popup message).

Customer Sell Your Car

Confirm Email Address

tamim@gmail.com

Available Car

| Cust_Email | Plate No | Cust_Name | Model | Brand |
|-----------------|----------|-----------|---------------------|--------------|
| tamim@gmail.com | DX-101 | Tamim | DB7 Vantage Volante | Aston Martin |

Plate Number Of Selling Car

DX-101

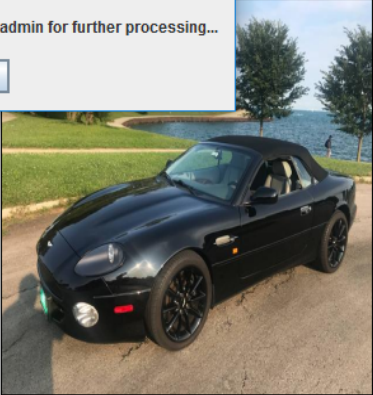
Updated Price 15000

Confirm Email tamim@gmail.com

Sell Request

Dashboard **Log Out**

Message
Request has been send to admin for further processing...
OK



In the “sell_cust_car” table a new record/tuple is inserted with the c_email(the customer who wants to sell the car), car plate_no and the updated price(the price that the customer want in return for selling his car).

+ Options

| c_email | plate_no | updated_price |
|-----------------|----------|---------------|
| tamim@gmail.com | DX-101 | 15000 |

☐ Show all | Number of rows: 25 | Filter rows:

Query results operations

Print Copy to clipboard Export Display

custotherinfo
orderservice
own
processbuyrequest
processnewadminrequest
processsellrequest
processservicerequest
sell_cust_car
serve_repair

In the following figure admin can process the sale request (sent by the customer). After ensuring the customer and admin email and plate_no and by clicking the “Approve Request” button the admin has processed the sale request.

Admin Sell Your Car Request

Dashboard Pending Requests Log Out


| Cust_Name | Cust_Email | Cust_Addre... | Cust_Phone | Car Plate_no | Car Brand | Car Model | Updated Pri... |
|-----------|-------------|---------------|------------|--------------|--------------|---------------|----------------|
| Tamim | tamim@gm... | Dhaka, Ban... | 01717 | DX-101 | Aston Martin | DB7 Vantag... | 15000 |

Customer Email: tamim@gmail.com

Admin Email: r@r.com

Plate No: DX-101

Approve Request



Admin and other information after request processed

| Admin Email | Plate No | Car Model | Brand | Customer email | Customer Name |
|-------------|----------|-------------------|--------------|------------------|---------------|
| r@r.com | DX-101 | DB7 Vantage Vo... | Aston Martin | tamim@gmail.c... | Tamim |

Car Added To The Inventory

| Plate No | Brand | Model | Previous Owner | Updated Price |
|----------|--------------|---------------------|----------------|---------------|
| DX-101 | Aston Martin | DB7 Vantage Volante | Tamim | 15000 |

In the “processsellrequest” table a new record will be inserted showing the c_email(the customer who sells the car), a_email(the admin who processed the request), car plate_no and updated price.

+ Options

| c_email | a_email | updatePrice | plate_no |
|-----------------|---------|-------------|----------|
| k@k.com | r@r.com | 204500 | LG-202 |
| k@k.com | r@r.com | 350000 | LG-204 |
| tamim@gmail.com | r@r.com | 15000 | DX-101 |

☐ Show all | Number of rows: 25 | Filter rows:

In the “car” table a new car is added and this newly added car is a used car whose previous owner was “Tamim”(shown in blue color).

| | | | | | | | | |
|----------------|--|--|--|--|--|--|--|--|
| adminotherinfo | | | | | | | | |
| buy_cust_car | | | | | | | | |
| car | | | | | | | | |
| customer | | | | | | | | |

| | | | | plate_no | Brand | Model | Owner | price | CarImage |
|--------------------------|------|------|--------|----------|---------------|---------------------|-------|--------|--------------------|
| <input type="checkbox"/> | Edit | Copy | Delete | DX-101 | Aston Martin | DB7 Vantage Volante | Tamim | 15000 | [BLOB - 66.0 KiB] |
| <input type="checkbox"/> | Edit | Copy | Delete | LG-207 | Lamborghini | Huracan LP580-2 | New | 206880 | [BLOB - 133.7 KiB] |
| <input type="checkbox"/> | Edit | Copy | Delete | MB-555 | Mercedes-Benz | AMG GT S | New | 84945 | [BLOB - 331.8 KiB] |

A customer can also request to be an admin by setting a tracking number and clicking the “Submit” button. After clicking the button, a popup message is showned “Request send”.

Customer Admin Request

Tacking Number

Tr-1001

Email

tamim@gmail.com

Password

.....

Submit

Dashboard

Log Out

Message

Request send !!!

OK

In the following page where admin can process new admin request by ensuring the admin email, customer email and tracking number and clicking the “Approve Request” button, the request will be processed and a new admin will be created (Popup message also shows that).

New Admin Request

Pending Request

| Cust_Name | Cust_Email | Address | Phone | Tracking Number |
|-----------|-----------------|-------------------|-------|-----------------|
| Tamim | tamim@gmail.com | Dhaka, Bangladesh | 01717 | Tr-1001 |

Admin Email

Customer Email

Tracking Number

r@r.com

tamim@gmail.com

Tr-1001

Approve Request

Dashboard

Log Out

Message

i New Admin created !!!

OK

In the “processnewadminrequest” table a new record is inserted showing the c_email(the customer who wants to be an admin), a_email(the admin who processed the request) and tracking number of the newly added admin.

orderservice

own

processbuyrequest

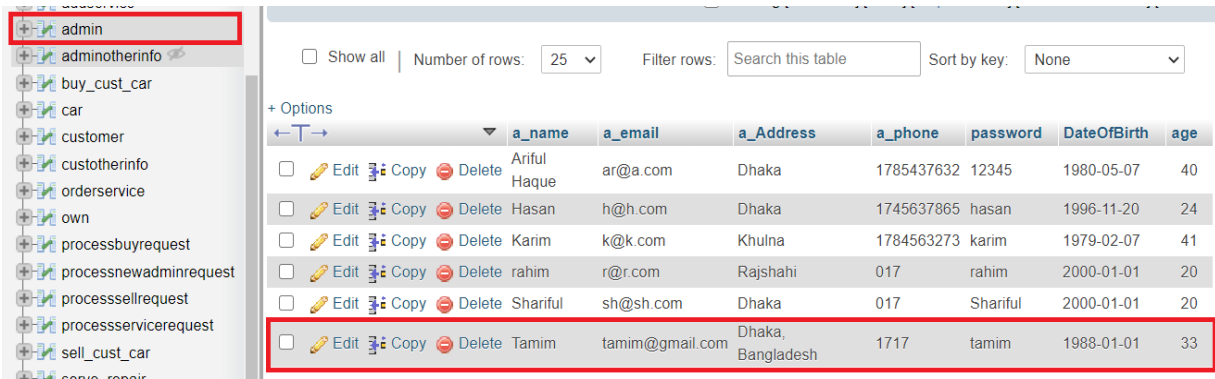
processnewadminrequest

processsellrequest

processservicerequest

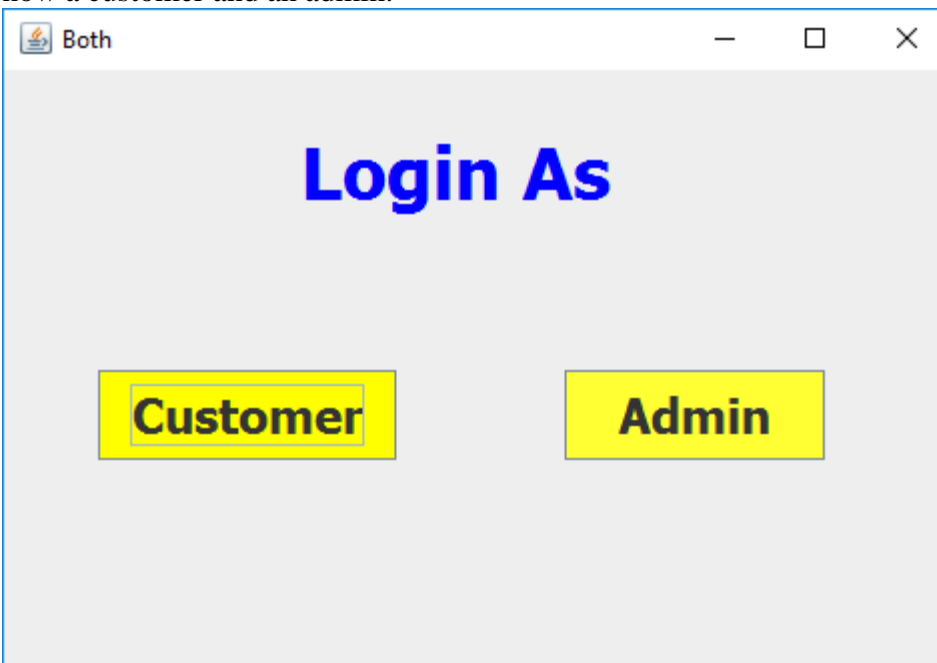
| c_email | a_email | tracking_no |
|-----------------|---------|-------------|
| k@k.com | r@r.com | 300 |
| h@h.com | r@r.com | 877 |
| ar@a.com | k@k.com | 222 |
| tamim@gmail.com | r@r.com | Tr-1001 |

In the “admin” table and “adminotherinfo” table the newly created admin’s information will be inserted.



| | a_name | a_email | a_Address | a_phone | password | DateOfBirth | age |
|---|--------------|-----------------|-------------------|------------|----------|-------------|-----|
| <input type="checkbox"/> Edit Copy Delete | Ariful Haque | ar@a.com | Dhaka | 1785437632 | 12345 | 1980-05-07 | 40 |
| <input type="checkbox"/> Edit Copy Delete | Hasan | h@h.com | Dhaka | 1745637865 | hasan | 1996-11-20 | 24 |
| <input type="checkbox"/> Edit Copy Delete | Karim | k@k.com | Khulna | 1784563273 | karim | 1979-02-07 | 41 |
| <input type="checkbox"/> Edit Copy Delete | rahim | r@r.com | Rajshahi | 017 | rahim | 2000-01-01 | 20 |
| <input type="checkbox"/> Edit Copy Delete | Shariful | sh@sh.com | Dhaka | 017 | Shariful | 2000-01-01 | 20 |
| <input type="checkbox"/> Edit Copy Delete | Tamim | tamim@gmail.com | Dhaka, Bangladesh | 1717 | tamim | 1988-01-01 | 33 |

Now if Tamim log into the system the following page will be opened because Tamim is both now a customer and an admin.



This is the page (following figure) where admin can add new car and new service item. After providing the various information of the new car and service item and also their images (by the “Browse” button we can choose the image path) and clicking the “Add Car” and “Add Service” button new car and new service will be added to the inventory.

Admin Add New Cars And Services

Add New Car

Brand
Model

Owner
Plate No

Price
Image Url

Add Car **Browse**

Add New Service

Service Name
Voucher

Unit Price
Quantity

Image Url

Add Services **Browse**

Dashboard **Log Out**

Message

New Car added !!!

OK

In the “car” table the newly added car’s information(Acura RDX A-Spec) is inserted.

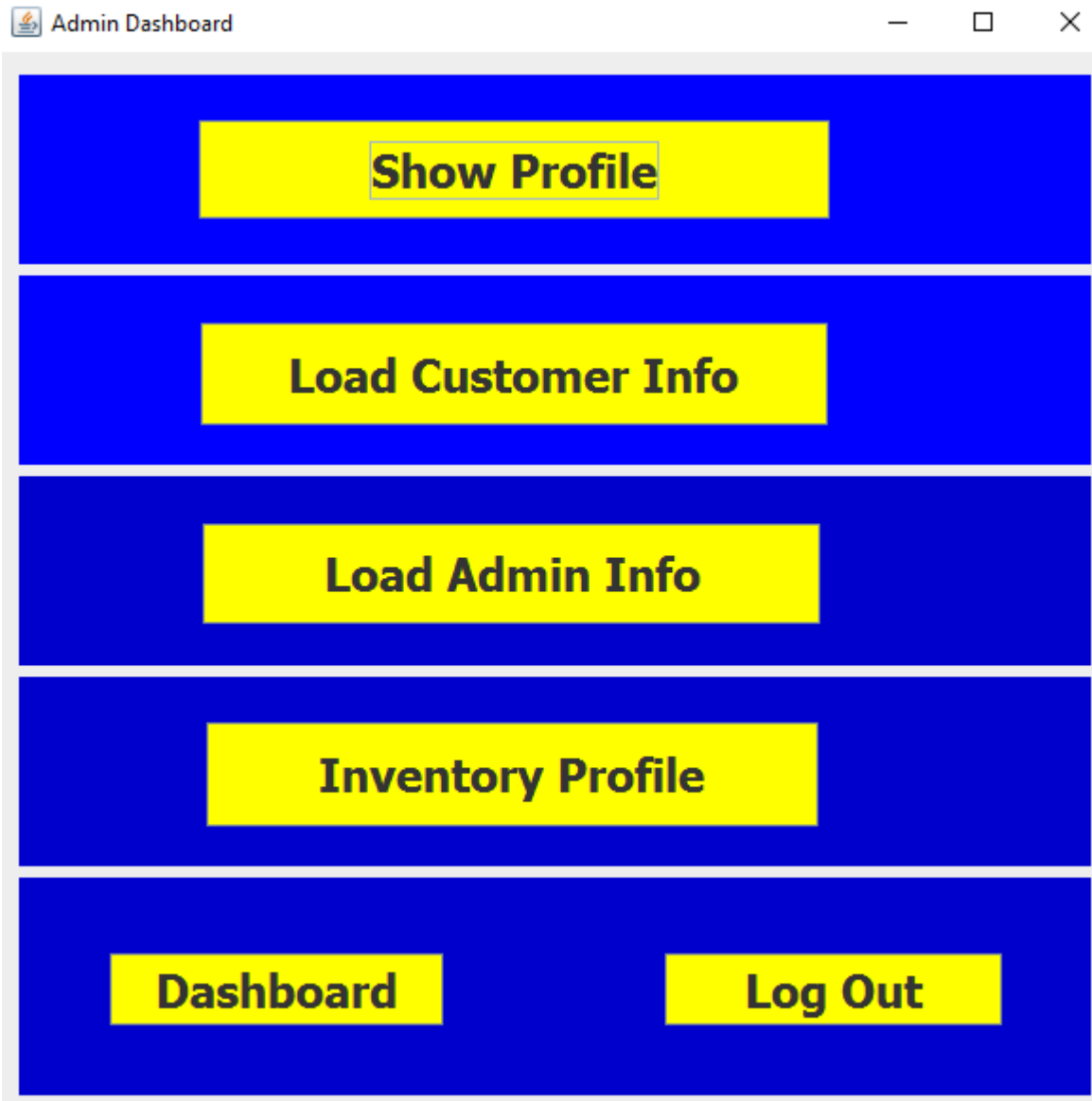
| | plate_no | Brand | Model | Owner | price | CarImage |
|---|----------|---------------|---------------------|-------|--------|--------------------|
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | DX-101 | Aston Martin | DB7 Vantage Volante | Tamim | 15000 | [BLOB - 66.0 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | LG-207 | Lamborghini | Huracan LP580-2 | New | 206880 | [BLOB - 133.7 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | MB-555 | Mercedes-Benz | AMG GT S | New | 84945 | [BLOB - 331.8 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | MB-777 | Mercedes-Benz | SLS AMG Base | New | 144800 | [BLOB - 156.6 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | MER-577 | Mercedes-Benz | CL-550 | New | 17985 | [BLOB - 151.0 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | MG-755 | Mercedes-Benz | SLR McLaren | New | 299800 | [BLOB - 156.1 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | NS-678 | Nissan | GT-R Premium | New | 125000 | [BLOB - 509.2 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | R-1001 | Acura | RDX A-Spec | New | 40000 | [BLOB - 135.6 KiB] |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | TT-722 | Toyota | Highlander LE | New | 1111 | [BLOB - 146.6 KiB] |

In the “serve_repair” table the newly added service item (car light) information will be inserted.

| | service_name | quantity | price | vowchar | ServiceImage |
|---|--------------|----------|-------|--------------|--|
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Car Light | 20 | 100 | C. L. - 1001 | -914584578Car Light (2).jpg |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Tyre | 36 | 30 | S-101 | -2040516780Tyre.jpg |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Wheel | 50 | 50 | S-102 | -2040395006Car Wheel.png |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Chasis | 8 | 25 | S-103 | 1817192600Chassis_with_suspension_and_exhaus |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Car Wash | 21 | 50 | S-105 | 1817364013Car Wash.jpg |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Engine | 100 | 70 | S-106 | -2040186860Car Engine.jpg |
| <input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete | Painting | 17 | 40 | S-108 | 1817493445CarPainting2.jpg |

This is the admin dashboard page.

- (1) “Show Profile” button : shows admin profile information
- (2) “Load Customer Info” button : shows the list of all customers.
- (3) “Load Admin Info” button : shows the list of all admins.
- (4) “Inventory Profile” button : shows all car’s and services’ information with their images.



The following page is the “Inventory Profile” page. Here the highlighted rows in both the tables shows the newly added car(Acura RDX A-Spec) and service (car light) image and info as well as other car’s (unhighlighted) info. If we click any of the row in both the tables, the respective Car and Service item’s image will be shown in the respective JLabel.

Inventory Profile

Show Car Information



| Plate no | Brand | Model | Owner | Price |
|----------|---------------|---------------|-------|--------|
| MG-755 | Mercedes-Benz | SLR McLaren | New | 299800 |
| NS-678 | Nissan | GT-R Premium | New | 125000 |
| R-1001 | Acura | RDX A-Spec | New | 40000 |
| TT-722 | Toyota | Highlander LE | New | 1111 |

Show Service And Repair Information

| Service Name | Quantity | Price | Vowchar |
|--------------|----------|-------|-------------|
| Car Light | 20 | 100 | C. L - 1001 |
| Tyre | 36 | 30 | S-101 |
| Wheel | 50 | 50 | S-102 |
| Chasis | 8 | 25 | S-103 |
| Car Wash | 21 | 50 | S-105 |

Dashboard

Log Out

If for some reason, a customer forgets his password or email, he can click the “Click Here” button. After clicking the button, a new JFrame named “Contact Us” will be opened.

Login

Email :

Password :

Forget Password !!!


Click Here

Sign In

Home

In the “Contact Us” page, all the admin’s phone numbers and other informations are provided (although password is not provided for privacy and security measures). Here customers who

forget their password or email can contact with any of these admins to retrieve his/her account informations.

 Contact Us— □ ×

Contact Us

| Admin Name | Admin Email | Address | Phone | |
|------------|-----------------|-------------------|------------|---|
| Karim | k@k.com | Khulna | 1784563273 | ▲ |
| rahim | r@r.com | Rajshahi | 017 | ■ |
| Shariful | sh@sh.com | Dhaka | 017 | ☰ |
| Tamim | tamim@gmail.com | Dhaka, Bangladesh | 1717 | ▼ |

Home

Back

6.Conclusion

We have learned many new techniques, methods and strategies by doing this project(“Car Sales And Management System”). Thank you madam for allowing us (MUHAMMAD GOLAM ROHMAN SHAFI, MD. RAIHAN KARIM PRIYO, MD. AMINUL ISLAM RAFI) to do this wonderful informative and interesting project.