Cab Booking System
User Guide

<u>Getting Started</u>

When the user first launches the application they will be greeted by the Login / Sign-up page as shown below.

Here, as per their choice they can either register themselves or if they have a previous account, login into that account and continue from there.

Let us first take a look at how a user can register themselves to use our service

As one can see from the image below the process of registration is largely similar for admin, customer and driver with the only difference being the information the user has to provide. In the below example the user has registered themselves as an admin and with only a single step the registration is complete!

```
-------------------------------------xxxxxxxxxxxxxxxxxxxxxxxx-------------------------------------
                              Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 2


You have deciced  to register yourself!
The roles that you can register as are as follows...
1. Admin
2. Customer                                                    .
3. Driver

Please enter the role that you want to register yourself for : 1

You have decided to sign up as an Admin!

Please enter your name here : Aud
Please enter your address here : 123-belmont street, London
Please enter your phone number here : 12343434
Please enter your email here : Aud@gmail.com

Congratualtions, you have successfully registered as an admin!
```

Workflows

Now let us take a look at the workflow for Admin, Customer and Driver as the scope of what they can do differs greatly.

First let us look at the Admin workflow.

The admin has the ability to run various queries on the database to find out the desired information and they are also capable of deleting the records of any customer or driver

If the Admin selects '1' as their option they can add new locations where the service can be provided.

If the Admin selects '2' as their option they are able to delete the record of any driver or customer given a justified reason

If the Admin selects '3' as their option they can run a plethora of different queries on the database which include but are not limited to:

- Olap queries
- Embedded Queries
- Various other SQL queries

```
--------------------------------------xxxxxxxxxxxxxxxxxxxxxxxxxx--------------------------------------
                            Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 1


-------------------------xxxxxxxxxxx----------------------------

You have selected to login into an existing account
The roles that you can login as are as follows...
1. Customer
2. Driver
3. Admin

Please enter your role here : 3


-------------------------xxxxxxxxxxx----------------------------
You have decided to login as an Admin

Please enter the id of the admin : 1
Welcome Mr. Adolphe to the Cab Booking System as an admin

As the admin you can perform various tasks
1. Update the location data
2. Remove an existing Customer/Driver
3. Run other queries on the database

Please enter the task that you wish to perform : |
```

```
--------------------------------------xxxxxxxxxxxxxxxxxxxxxxxxxx--------------------------------------
                             Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 1


-------------------------xxxxxxxxxxx----------------------------

You have selected to login into an existing account
The roles that you can login as are as follows...
1. Customer
2. Driver
3. Admin

Please enter your role here : 3


-------------------------xxxxxxxxxxx----------------------------
You have decided to login as an Admin

Please enter the id of the admin : 1
Welcome Mr. Adolphe to the Cab Booking System as an admin

As the admin you can perform various tasks
1. Update the location data
2. Remove an existing Customer/Driver
3. Run other queries on the database

Please enter the task that you wish to perform : 3


-------------------------xxxxxxxxxxx----------------------------
You have wished to view other queries

The queries that can be executed are...
1. Embedded SQL queries
2. OLAP queries
3. Triggers
4. Basic SQL queries
5. Queries regarding Database Transactions

Please enter the nature of the query that you wish to execute : |
```

Next let us take a look at the workflow of a customer

Once a registered customer logs into their account they perform one of three tasks:

1. View all the locations
2. Book a cab
3. End the trip when they either have reached their destination or by cancellation of the trip

```
----------------------------------xxxxxxxxxxxxxxxxxxxxxxxxxx----------------------------------------
                             Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 1

-------------------------xxxxxxxxxxx----------------------------
You have selected to login into an existing account
The roles that you can login as are as follows...
1. Customer
2. Driver
3. Admin

Please enter your role here : 1

-------------------------xxxxxxxxxxx----------------------------
You have decided to login as a Customer
Please enter your name : Vin
Please enter your password here : Ou5BNdB4

Welcome customer 'Vin' to the Cab Booking System!
-------------------------xxxxxxxxxxx----------------------------

As a customer the various actions that you can perform are...
1. View all the locations
2. Book a cab
3. Cancel your ongoing trip

Please enter what you wish to do : |
```

Booking a cab is relatively easy as the customer just needs to provide the destination, pickup date, method of payment and a few other details. If the customer so wishes they can also check the locations of the available destinations while booking the cab.

```
------------------------------------xxxxxxxxxxxxxxxxxxxxxxxxxxxx----------------------------------------
                                   Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 1


--------------------------xxxxxxxxxxxx----------------------------
You have selected to login into an existing account
The roles that you can login as are as follows...
1. Customer
2. Driver
3. Admin

Please enter your role here : 1

--------------------------xxxxxxxxxxxx----------------------------
You have decided to login as a Customer
Please enter your name : Vin
Please enter your password here : Ou5BNdB4

Welcome customer 'Vin' to the Cab Booking System!
--------------------------xxxxxxxxxxxx----------------------------

As a customer the various actions that you can perform are...
1. View all the locations
2. Book a cab
3. Cancel your ongoing trip

Please enter what you wish to do : 2


--------------------------xxxxxxxxxxxx----------------------------
You have wished to book a cab!
Do you wish to see the locations that can be booked?n

You have wished to not see the loactions that can be booked
Please enter the details...
Please enter your name : Vin
Please enter the destination  : Bireun
Please enter the payement method : Cash
Please enter the pickup date (yyyy-mm-dd) : |
```

Cancellation of a booked trip is also a relatively easy task. If they have reached the destination they can just stop the trip and the fare will be added to the money that the driver earns.
If they are not at their destination they can still cancel the trip if it has yet to start
This is important because it sets the status of the driver to "Free" and thus he can be considered for the next trip.

```
---------------------------------XXXXXXXXXXXXXXXXXXXXXXXXX-----------------------------------------
                          Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 1

-------------------------XXXXXXXXXXX-----------------------------
You have selected to login into an existing account
The roles that you can login as are as follows...
1. Customer
2. Driver
3. Admin

Please enter your role here : 1

-------------------------XXXXXXXXXXX-----------------------------
You have decided to login as a Customer
Please enter your name : Vin
Please enter your password here : Ou5BNdB4

Welcome customer 'Vin' to the Cab Booking System!
-------------------------XXXXXXXXXXX-----------------------------

As a customer the various actions that you can perform are...
1. View all the locations
2. Book a cab
3. Cancel your ongoing trip

Please enter what you wish to do : 3

-------------------------XXXXXXXXXXX-----------------------------
You have wished to to end your ongoing trip!

Have you reached you destination : n
You are not at your destination
Do you wish to cancel your trip? n
You have decided to not cancel your trip!
-------------------------XXXXXXXXXXX-----------------------------
```

The work flow of the driver is considerably limited as the only things they are able to do is to check whether they have been assigned a trip. If not then they will be selected based upon their rating and the ones with the highest rating will be the ones to get the job next.

If they have been assigned a trip then they can check the pickup and dropoff locations

The driver can also check the money earned by completed bookings and the details of the bookings that he completed

```
-------------------------------------XXXXXXXXXXXXXXXXXXXXXXXXXXXX-----------------------------------------
                                Welcome to the Cab Booking System


You can currently perform three functions...
1. Login
2. Sign Up

Please enter the your choice here : 1

-------------------------XXXXXXXXXXX---------------------------
You have selected to login into an existing account
The roles that you can login as are as follows...
1. Customer
2. Driver
3. Admin

Please enter your role here : 2

-------------------------XXXXXXXXXXX---------------------------
You have decided to login as a Driver
Please enter your name : Sandor
Please enter your password here : 0TGwwPsa

-------------------------XXXXXXXXXXX---------------------------

Welcome Driver 'Sandor' to the Cab Booking System!
You can perform the following tasks...
1. You can check your current status
2. You can check all the locations
3. You can check the total money earned from all the trips
4. You can see the details of the bookings completed by you
Please enter your choice : 4

You have decided to view all the bookings that you have completed

Booking ID : 3
Driver ID : 3
Pickup Time : 2022-12-26 00:00:00
Payement Method : cash
Fare : 214.00
Rating : 4

-------------------------XXXXXXXXXXX---------------------------
```