

TRANSPORTATION OF GOODS MANAGEMENT (CARGOFLOW APPLICATION)

By

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**Under Guidance
of
Internal Guide
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Submitted to



**Smt. Chandaben Mohanbhai Patel Institute of Computer Applications
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**Accredited with Grade A+ by NAAC,
CHAROTAR UNIVERSITY OF SCIENCE AND TECHNOLOGY
Changa**



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INSTITUTE OF COMPUTER APPLICATION**
CONSTITUENT OF CHARUSAT

Certificate

This is to certify that

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*Exam No. 2IBSITO16 has satisfactorily completed
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for the term ending in APRIL 2023 / 2024 .

Date : 18/4/2024

Sign. of Faculty



Head of Department

Acknowledgement

Knowledge in itself is a continuous process. At this moment of our substantial enhancement, we rarely find words to express our gratitude towards those who were constantly involved with us.

The completion of any inter disciplinary project depends upon coordination, cooperation and combined efforts of several resources of knowledge, creativity, skill, energy and time. The work being accomplished now, we feel our sincerest urge to recall and knowledge through these lines, trying our best to give full credit wherever it deserves.

We would like to thank our project guide **Mr. Arpit Trivedi** and I/C Principal **Dr. Dharmendra Patel** and I/C Dean **Dr. Sanskruti Patel** who advised and gave us moral support through the duration of our project. Without their constant encouragement we could not have been able to achieve what we have.

It's our good fortune that we had support and well wishes of many. We are thankful to all and those names which have been forgotten to acknowledge here but contributions have not gone unnoticed.

With Sincere Regards,

SAVALIYA DEEP BHARATBHAI (21BSIT016)

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Project Profile

❖ Project Profile

Project Name: Transport of Goods Management (CargoFlow Application)

Type of Application: Desktop Based Application

Project Description: This system provides below listed functionality to admin and client. Such as:

Client Direct Booking: This feature allows clients to book shipments directly through the application without needing intermediaries. It streamlines the process and potentially reduces costs and delays associated with traditional booking methods.

Service Provider Functionality: The application facilitates communication between clients and service providers (shipping companies, carriers, etc.). It allows service providers to manage and fulfill shipment orders efficiently.

End-to-End Shipment Management: The application ensures that shipments are delivered from the origin to the destination. It likely includes features such as tracking, notifications, and status updates to keep clients informed about the progress of their shipments.

Double Verification System: This security feature involves implementing a double verification process on the client side to ensure the integrity and security of data. It could involve techniques such as Mail Verification System and multi-step verification to prevent unauthorized access or data breaches.

Google Maps: This Apps Provide a Google Maps Service for track and Checking distance between Source and Destination.

Overall, this application aims to provide a seamless and secure platform for clients to book shipments, manage transportation logistics, and track the movement of goods while prioritizing data security through a double verification system.

Team Size: 3 Members

Front End: C# .net (WinForm), Guna Framework (Ver. 2.0.4.6), Webview2 (Ver. 1.0.2420.47)

Back End: SQL (Connect Through SQL Server)

Tools used: Visual Studio 2022 (Ver. 17.9.4), SQL Server Management Studio (Ver. 20.0),
SQL Express (Ver. 15.0.200)

For UML Diagram: Visio 2013

Introduction to tools

❖ Introduction to Tools

➤ Front End Tool: Visual Studio (Ver. 17.9.4)

- Visual Studio is a powerful developer tool that you can use to complete the entire development cycle in one place. It is a comprehensive integrated development environment (IDE) that you can use to write, edit, debug, and build code, and then deploy your app. Beyond code editing and debugging, Visual Studio includes compilers, code completion tools, source control, extensions, and many more features to enhance every stage of the software development process.
- With the variety of features and languages support in Visual Studio, you can grow from writing your first "Hello World" program to developing and deploying apps. For example, build, debug, and test .NET and C++ apps, edit ASP.NET pages in the web designer view, develop cross-platform mobile and desktop apps with .NET, or build responsive Web UIs in C#.
- Visual Studio is an integrated development environment (IDE) developed by Microsoft. It provides a comprehensive set of tools and services for building various types of software applications, including desktop, web, mobile, and cloud-based applications. Visual Studio supports multiple programming languages such as C#, Visual Basic .NET, C++, F#, Python, JavaScript, and more.
- You can compile and build your applications to create builds immediately and test them in a debugger. You can run multi-processor builds for C++ and C# projects. Visual Studio also provides several options that you can configure when building applications. You can create a custom build configuration in addition to the built-in configurations, hide certain warning messages, or increase build output information.

➤ **Back End Tool:**

- **SQL Server Management Studio (Ver. 20.0)**

- SQL Server Management Studio (SSMS) is an integrated environment for managing any SQL infrastructure. Use SSMS to access, configure, manage, administer, and develop all components of SQL Server, Azure SQL Database, Azure SQL Managed Instance, SQL Server on Azure VM, and Azure Synapse Analytics.
- SSMS provides a single comprehensive utility that combines a broad group of graphical tools with many rich script editors to provide access to SQL Server for developers and database administrators of all skill levels.

- **SQL Express (Ver. 15.0.200)**

- SQL Server Express is a free version of Microsoft's primary relational database management system (RDBMS) – the SQL Server. Essentially, the SQL Server is a database management system that can be used to store and access the information stored in many different databases.
- SQL Server comes with an impressive range of features like business intelligence, reporting, and in-depth advanced analytics.

System Study

System Study

1. Existing System: -

- Existing System consists of transporting goods from one place to another and with the help of the google map route.
- Without this system there is chance of goods to get damage and theft but this application provides live tracking of truck and also relevant Information such as Driver name, mobile no., truck no etc. to Administrator and client. for the Security Purpose.
- The client has to book order in the system and after that the order is assigned to the driver.
- The order and fare according to the order is after decided from the admin side.
- Proper validations have been set up so that system can identify and differentiate users' information.
- Main Problem in Existing System is Transport company application is based on Subscription model but in our system any user can Registered and Book a Shipments and Transport it.
- System includes capabilities like order management, scheduling and inventory management
- Report is generated Admin-side and Bill with payment is generated on Client-side

2. Proposed System: -

The System is responsible to perform following task in efficient manner.

- User can get information about services and the types of vehicles the System provides.
- Vehicles are assigned according to the goods weight and size.
- This system provides functionality and flexibility to billing system such that one can operate the system easily and efficiently.
- User can give feedback.
- User can see which Driver and Vehicle is available at a time.

3. Scope of Works: -

- From admin side the information is updated for the user about vehicles and Driver availability.
- Our system is user friendly.
- For login Authentication is done by email verification code.
- Admin can manage the details of user and driver and can view the reports and bill.
- Its main aim is to simplify the transportation services for user and build trust for the user who are dealing with the problem of delivering goods from one place to another.

4. Needs of proposed System: -

- In Existing System will be main problem is to user and driver (For Shipments) are not a direct relation of that. This means the user can only book the shipment and pickup and drop it. Their will be major problem is damage, insecure about the Parcel will be delivery, etc. So, this kind of major Drawback in an existing system.
- But this System will be three-way communication means the user need to help directly mail service provide to admin will be notify it. Another Communication channel is Admin will be provided after a Booked Order Vehicles and Driver information will be send a User Side.
- Admin Interface for Managing Booked Orders: The admin will have an interface or system to manage booked orders. This system likely includes features for assigning vehicles and drivers to bookings, updating booking statuses, and possibly communicating with users directly from the admin interface.
- Each communication channel serves a specific purpose in facilitating the interaction between users and the admin, ensuring smooth transactions and effective communication throughout the booking process.

5. Feasibility Study: -

A. Operational Feasibility:

- Operational feasibility is dependent on human resources available for the project and involves projecting whether the system will be used if it is developed and implemented
- Client needs application which consists of following features:
 - Registration Of Details (by Client)
 - Login & Authentication (by Client)
 - Mail Verification for Update Password (Both Client and Admin)
 - Book Logistics (By Client)
 - ✓ Fill The Details
 - ✓ Show The Transport Vehicle
 - Pricing and Quotation Module (By Client)
 - Billing Generate (By Client)
 - Dashboard (By Client)
 - ✓ Total Order
 - ✓ Pending Order for Payment
 - ✓ Total Km Travel by Shipment
 - ✓ Total Amount Pay
 - ✓ Order In Review
 - ✓ Graph Representation
 - Google Maps Service (By Client)
 - Generate Report (By Admin)
 - Check Availability of driver and vehicles

- Driver Reassign, Assign, Add, Update, Delete (By Admin)
- Vehicles Assign, Reassign, Add Update, Delete (By Admin)
- Generate All Data Report (By Admin)

B. Technical Feasibility (Tools):

- The main technology and tools that are associated with this system are: -
 - Operating System
 - Windows 10, 11 With Minimum 4 GB RAM
 - Programming Languages
 - C# .Net and VB .Net
 - Database technology
 - SQL (SQL Server Connect Through Local Computer)
 - Front-end tools:
 - C#. Net Controls and Guna Framework

C. Economic Feasibility (Budget):

- Visual Studio is free to download from internet and is open source.
- There is no cost as it is not Hosted on any platform.
- There is Free Setup file directly Download in Local PC and Directly will be use it in Internet Connectivity.
- Internet Connectivity is Mandatory for use the Application.
- SQL Server IP Computer to Fetch Data and Send it to Admin Side there's no need for installation of extra server.

System Analysis

System Analysis

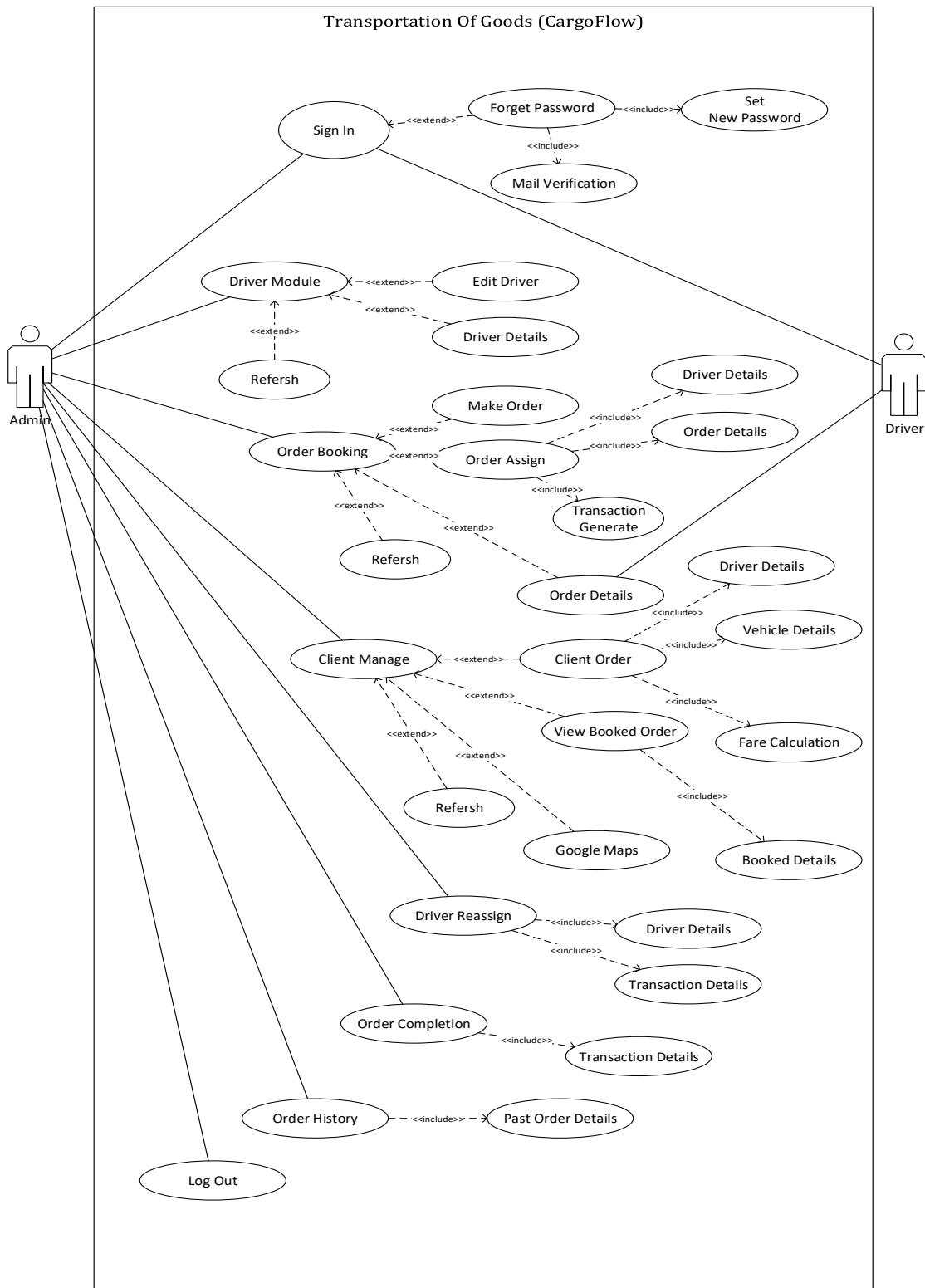
➤ Requirements Specification

- Gathering Client's data
- Gathering Driver's data
- Managing Driver's Information
- Managing Client's Information
- Manage Order's
- Manage Bills and report
- Gathering the Pick-up and Drop location and calculating the fare according to kms

➤ System Modules

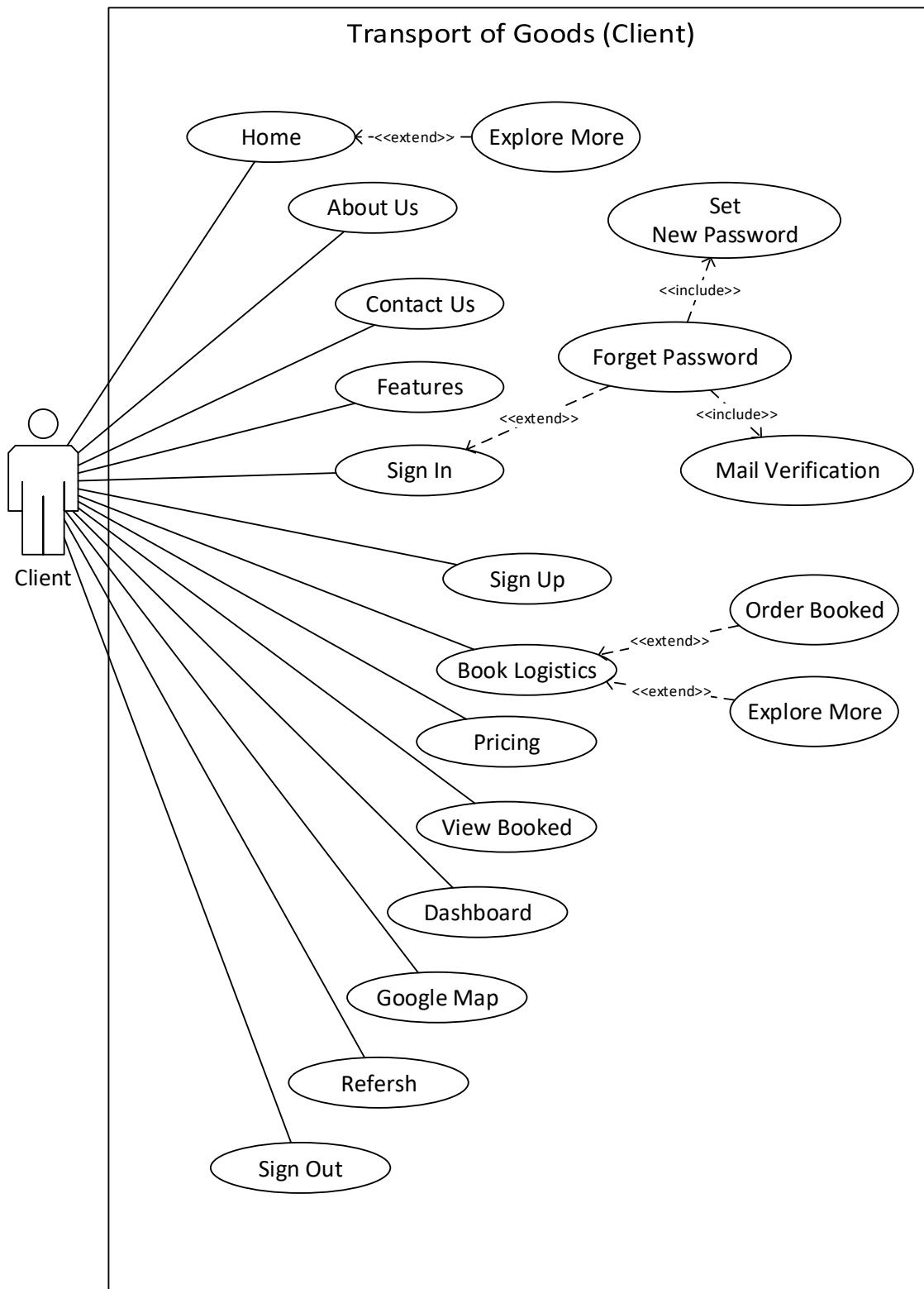
- Sign-up: This module allows user to sign in to the system
- Log-in: This module allows user and admin to login into the system
- Driver Module: This module is used to add driver details
- Order Booking: This module is used to manage book order for transportation
- Client Manage: This module is used to manage about client details
- Driver Reassign: This module is used to assign drivers to the orders
- Order History: This module shows the completed history of order which are completed
- Log-out: This module allows user and admin to log out from the system
- About Us: This module shows about the admin
- Contact Us: This module helps client to contact the admin about the
- Features: This module shows the features of the system
- Book Logistics: This module is used to
- Pricing: This module is used to calculate fare according to the kms
- View Booked & Pay: This module shows the client about booked order and payment details
- Dashboard: This module shows the different modules to switch from to dashboard to others
- Google Map: This module shows the Location from where to pick up and drop
- Sign-out: This module allows user to sign out from the system

Use Case Diagram:
Actor: Admin, Driver



Use Case Diagram:

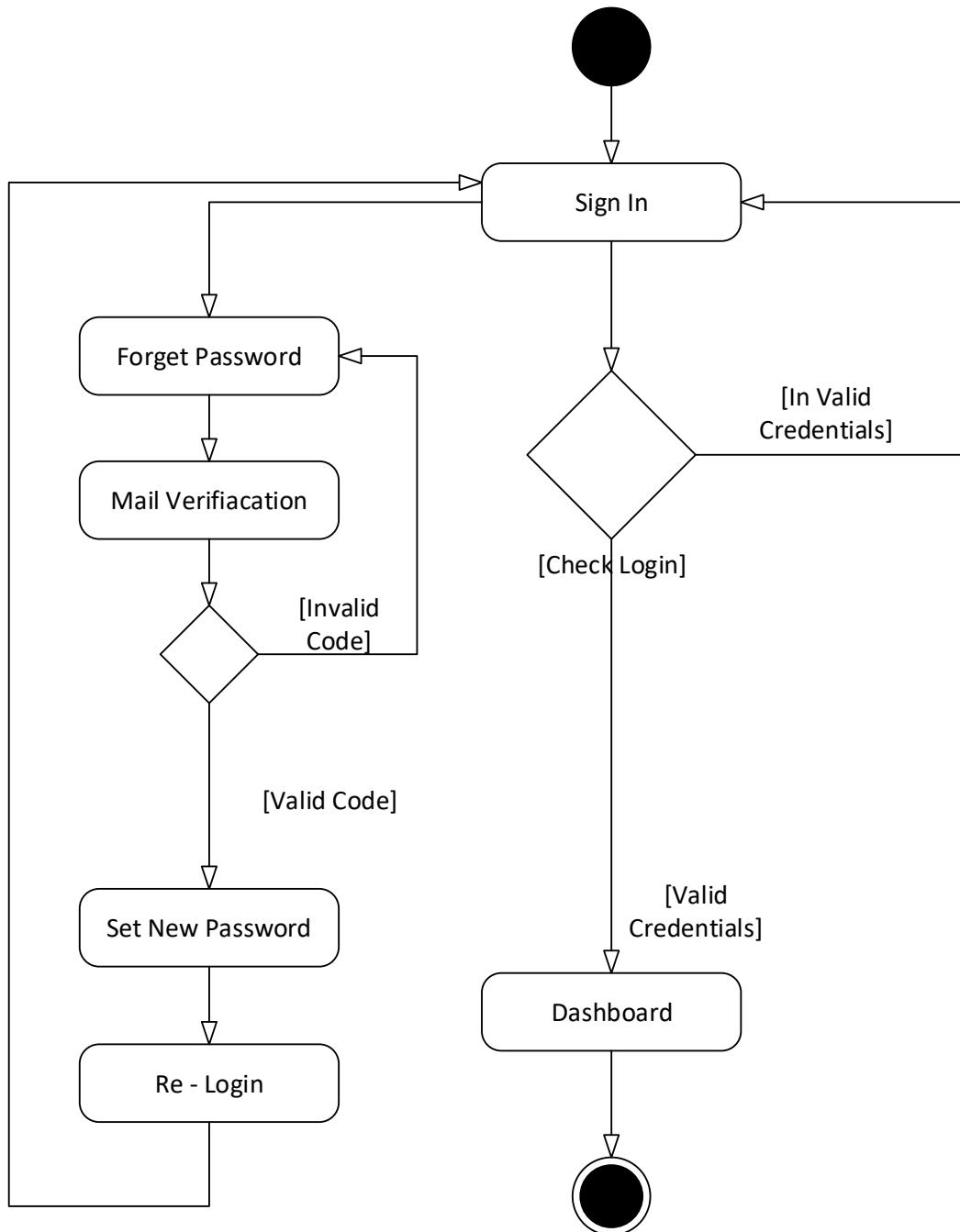
Actor: Client



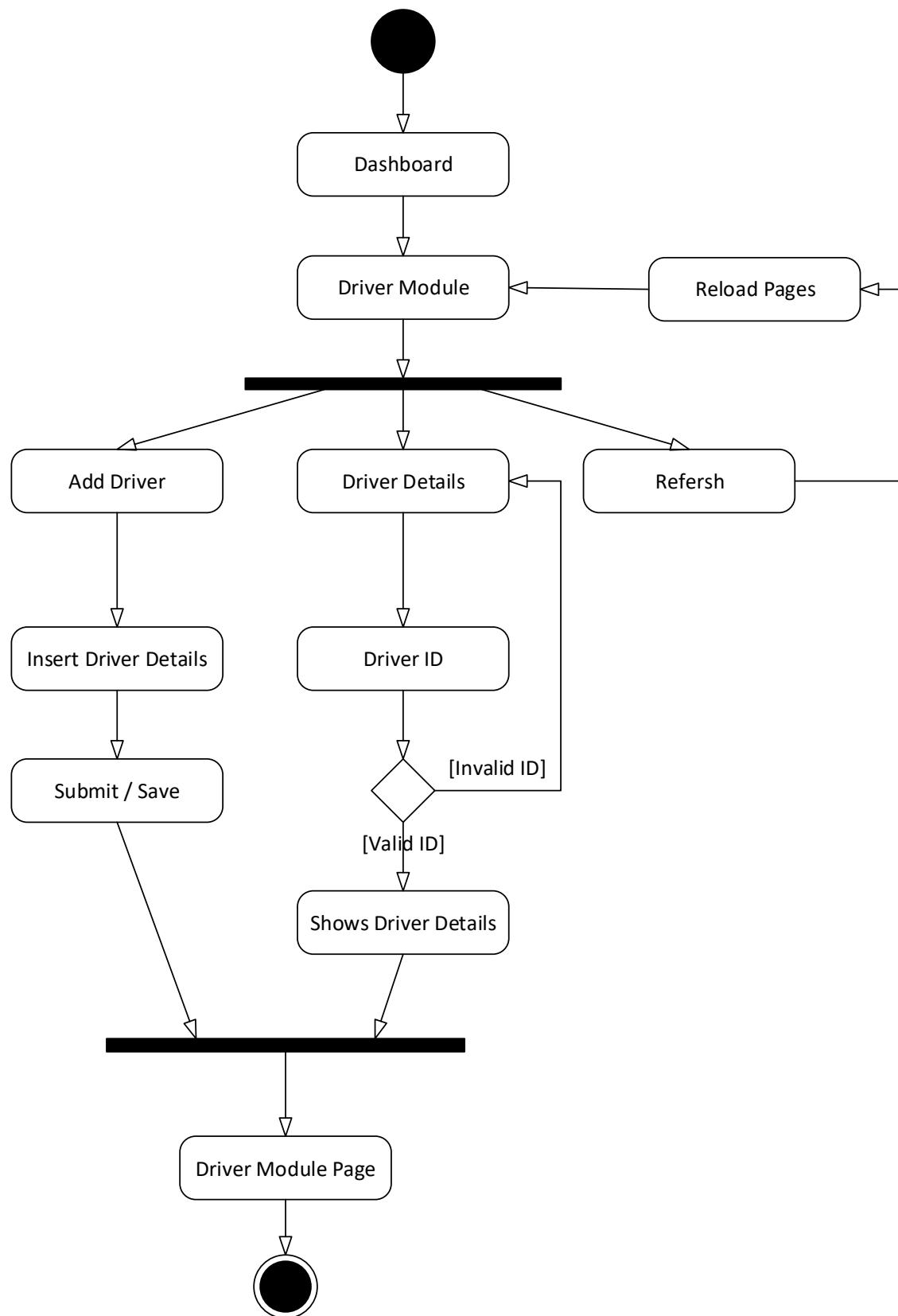
Activity Diagram:

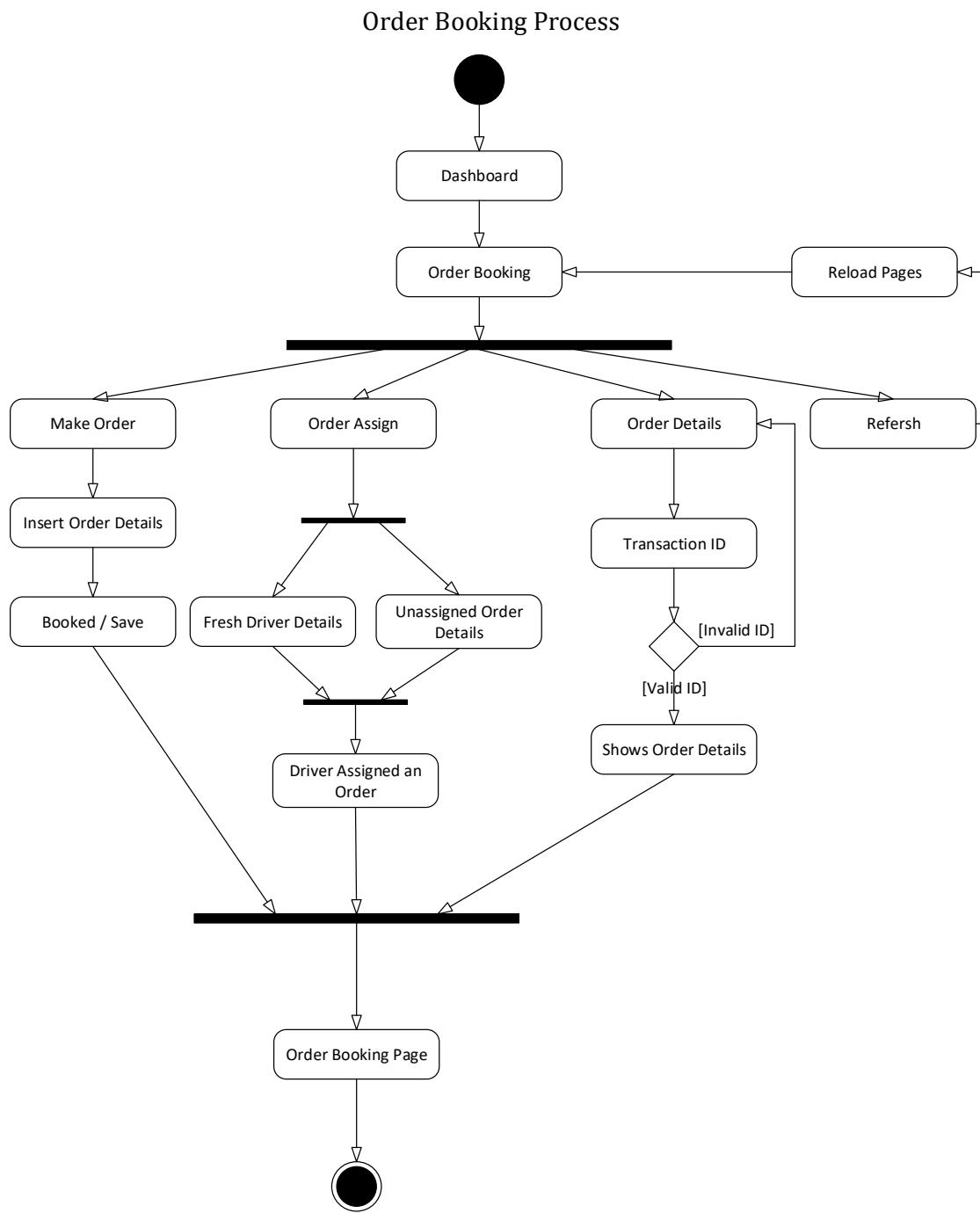
Admin Side Activity Diagram

Admin Login Process

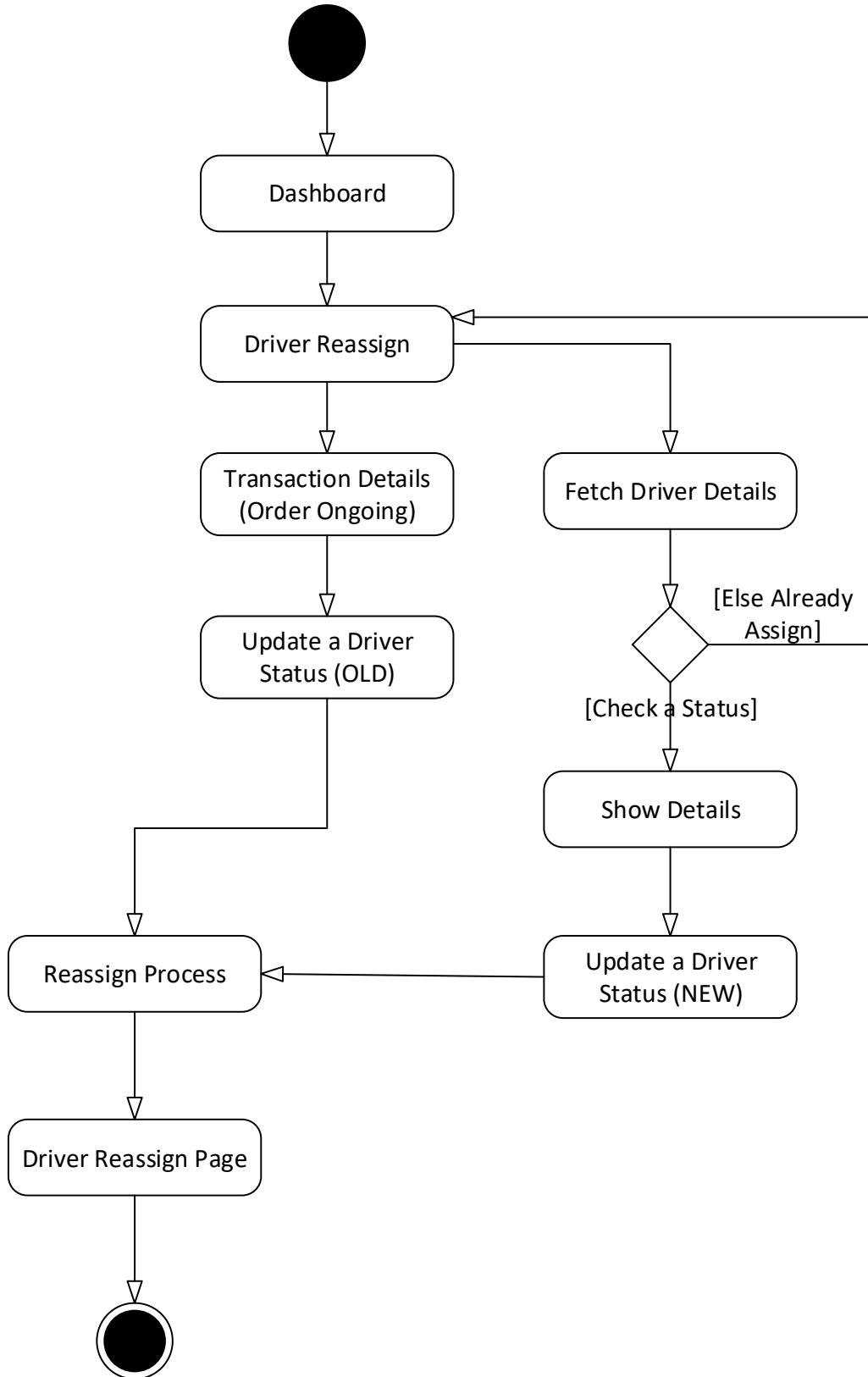


Driver Module Process

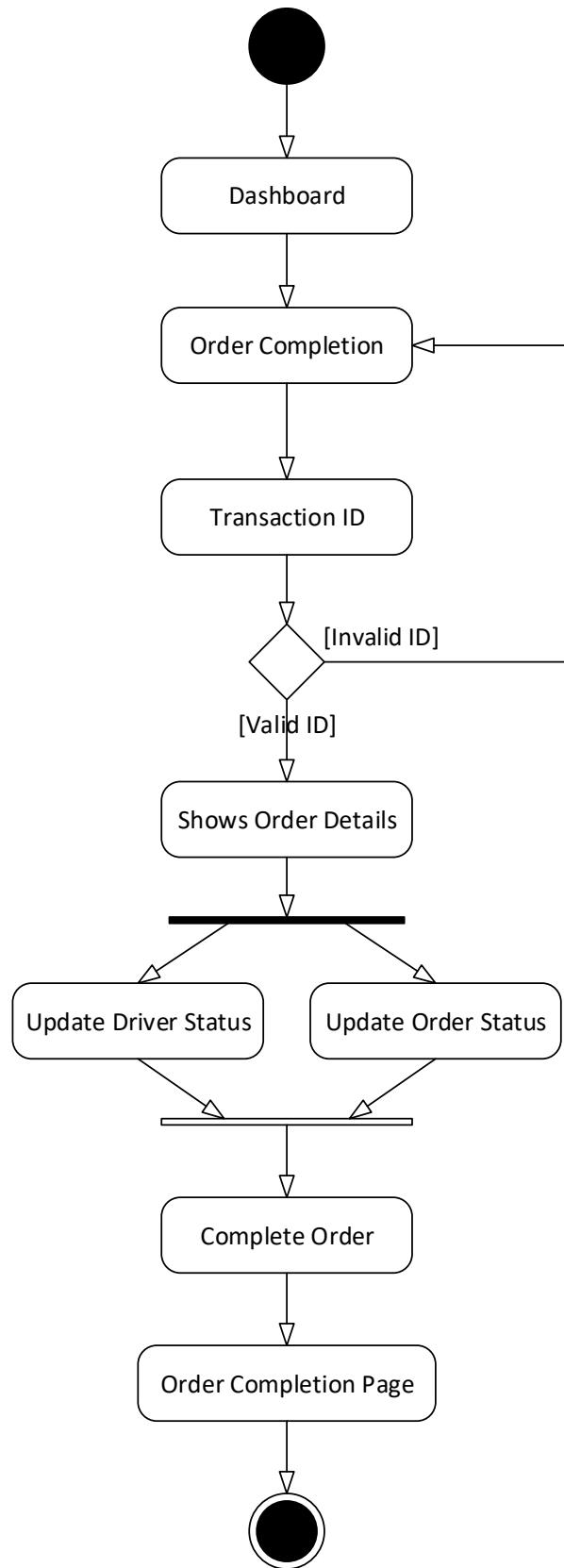




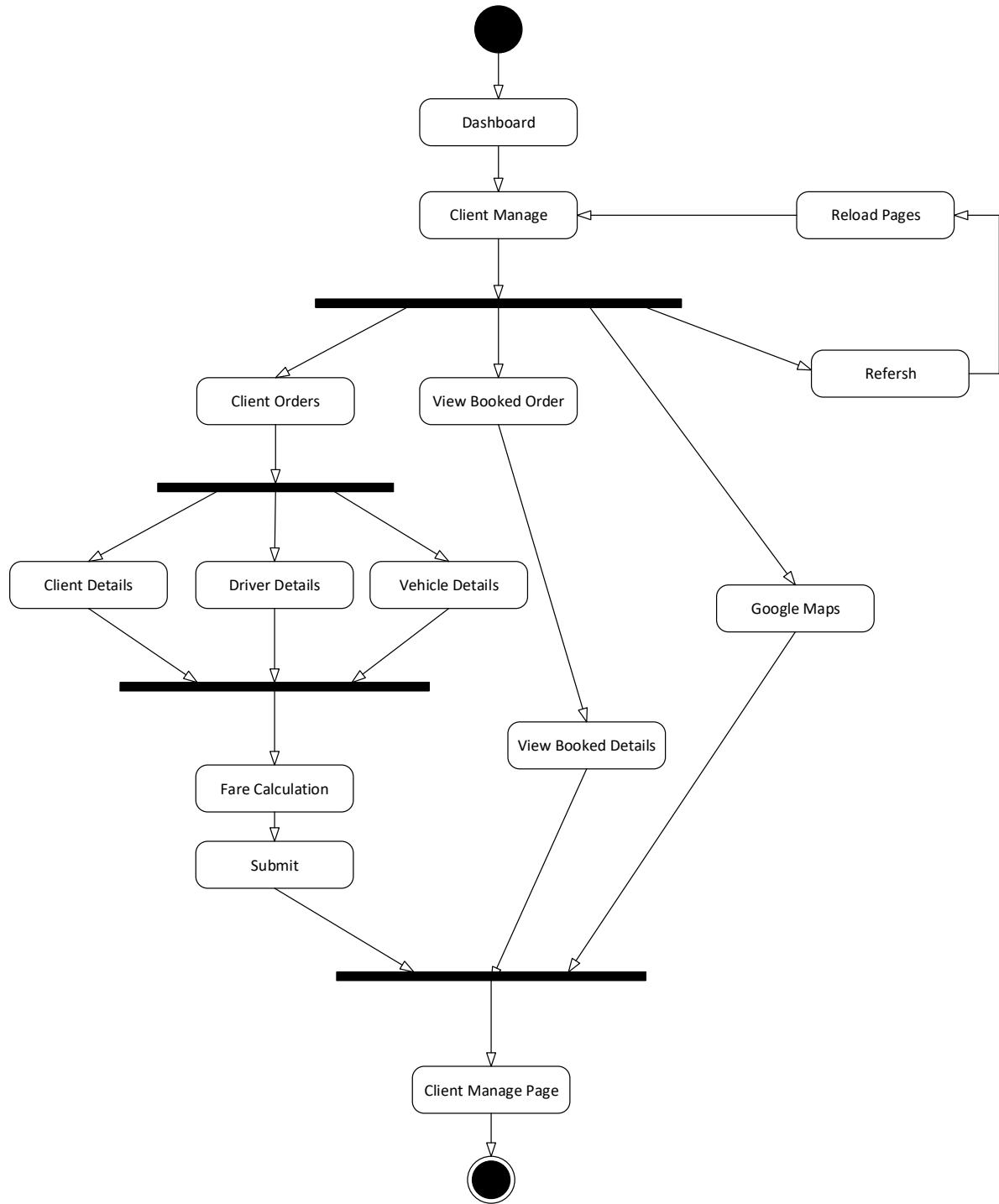
Driver Reassign Activity



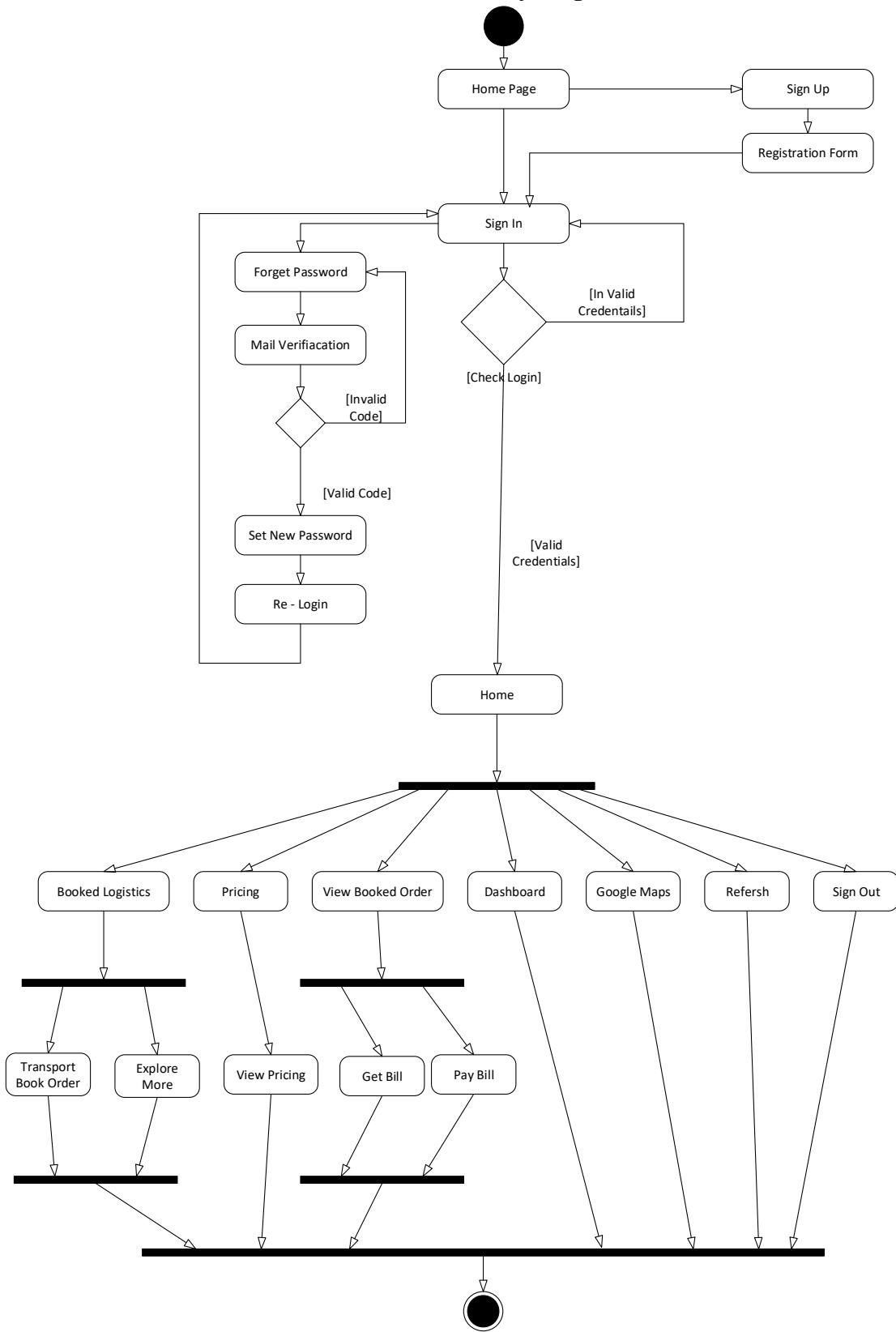
Order Completion Activity



Client Manage Activity

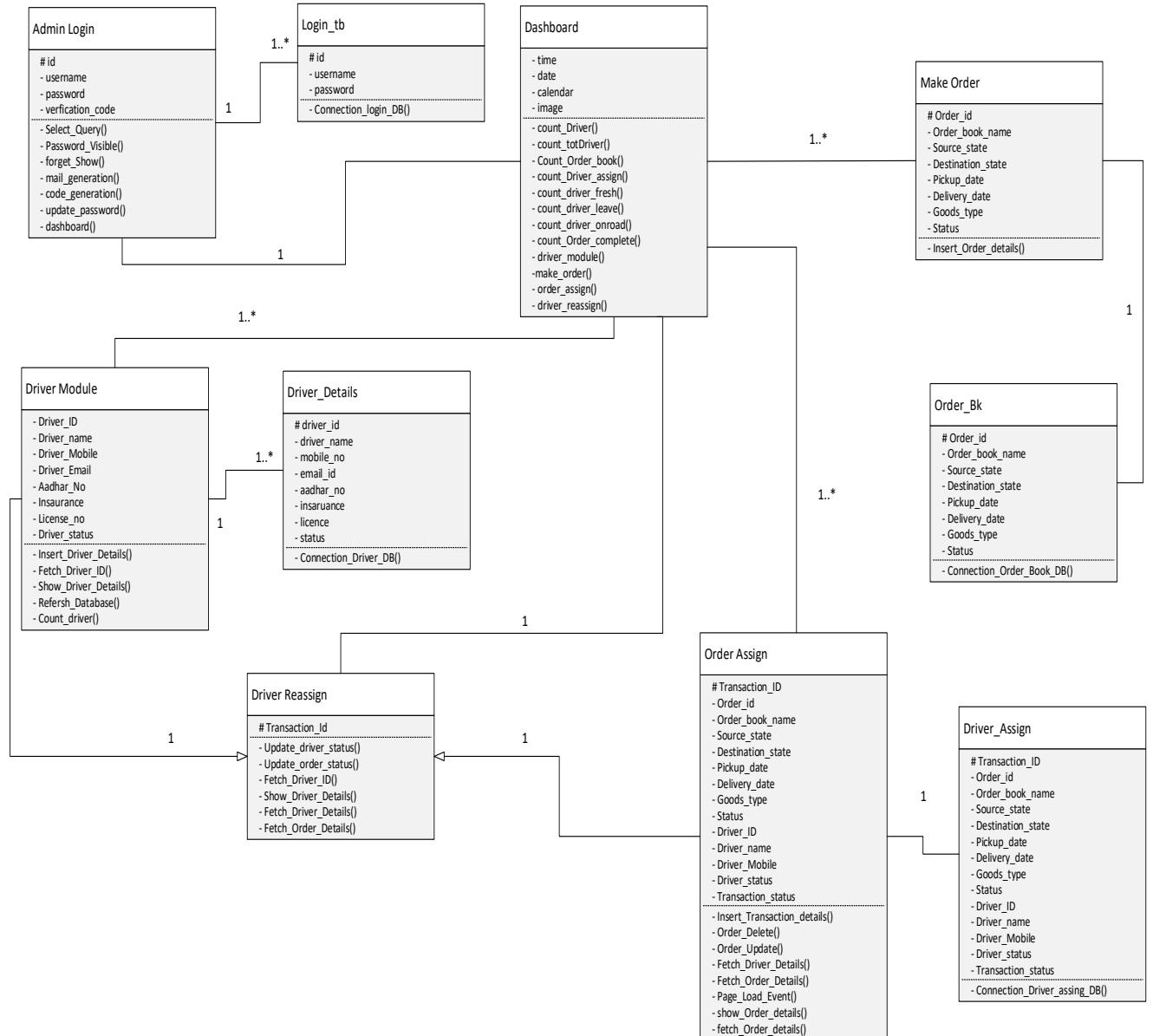


Client-Side Activity Diagram

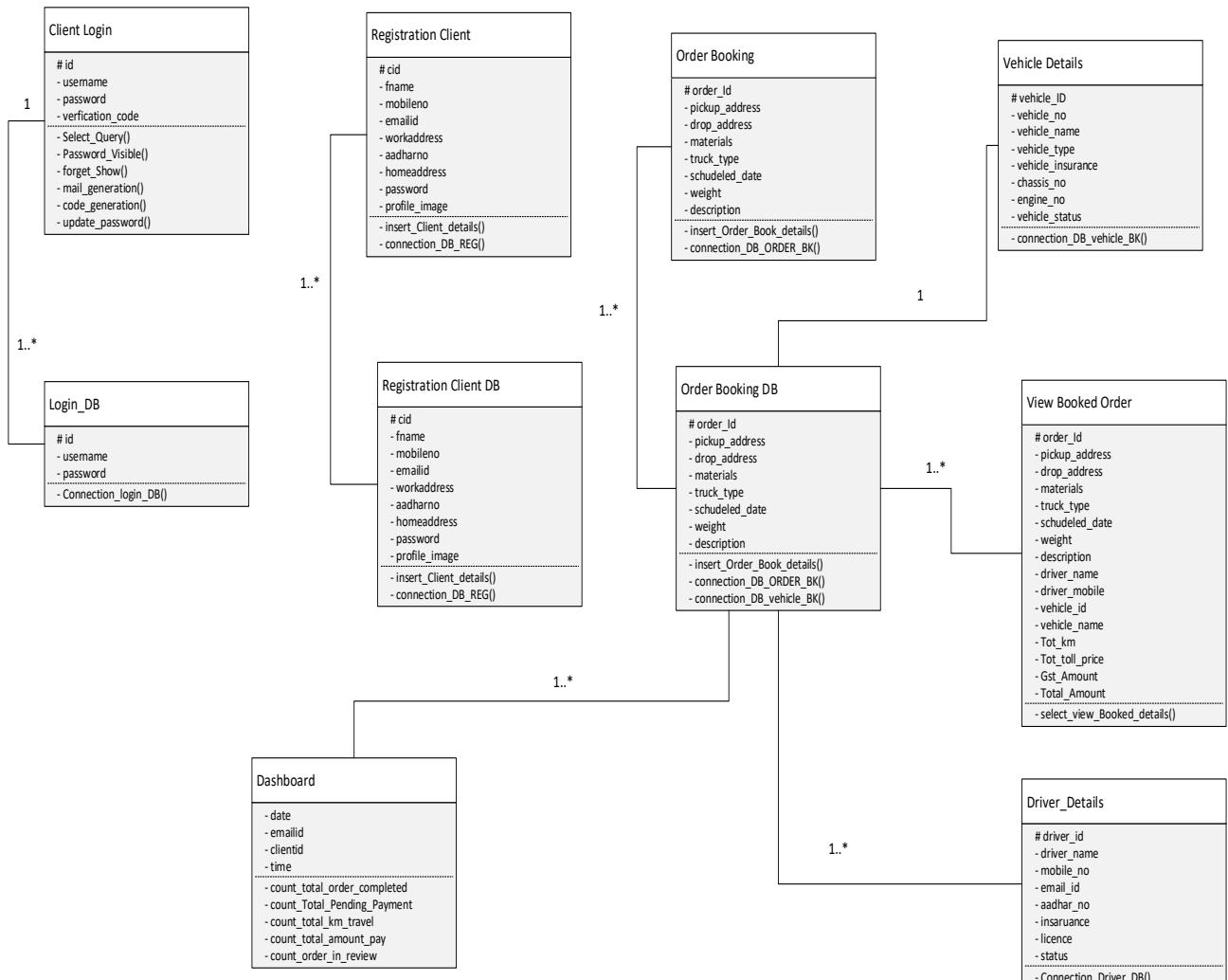


Class Diagram:

Admin Side Class Diagram



Client-Side Class Diagram



System Design

Data Dictionary

Admin Login:

Table name: Login_tb

Table:

Sr. no	Name	Datatype	Size	Constraint
1	ID	INT(IDENTITY)	--	Not Null
2	Username	NVARCHAR	30	Primary Key
3	Password	NVARCHAR	10	Not Null

Client Details & Login:

Table name: Client_Details

Table:

Sr. no	Name	Datatype	Size	Constraint
1	Client_ID	INT(IDENTITY)	--	Primary Key
2	CFname	NVARCHAR	15	Not Null
3	CMname	NVARCHAR	15	Not Null
4	CLname	NVARCHAR	15	Not Null
5	Mobno	NUMBER	10	Not Null
6	PsMobno	NUMBER	10	Not Null
7	Email	NVARCHAR	30	Not Null
8	Uname	NVARCHAR	30	Not Null
9	WAddress	NVARCHAR	70	Not Null
10	Aadhar	NUMBER	12	Not Null
11	HAddress	NVARCHAR	70	Not Null
12	Password	NVARCHAR	10	Not Null
13	P_image	IMAGE	--	Not Null

Client Order Assign:

Table name: Client_Order_Assign

Table:

Sr. no	Name	Datatype	Size	Constraint
1	Order_Trans_ID	INT(IDENTITY)	--	Primary Key
2	Client_BookID	INT	--	Not Null
3	Client_ID	INT	--	Not Null
4	p_add	NVARCHAR	70	Not Null
5	d_add	NVARCHAR	70	Not Null
6	T_type	NVARCHAR	20	Not Null
7	Weight	FLOAT	--	Not Null
8	Material	NVARCHAR	25	Not Null
9	S_date	NVARCHAR	15	Not Null
10	Descry	NVARCHAR	70	Not Null
11	Driver_ID	INT	--	Not Null
12	Driver_name	NVARCHAR	25	Not Null
13	Driver_mob	NUMBER	10	Not Null
14	Vehicle_ID	INT	--	Not Null
15	Vehicle_No	NVARCHAR	10	Not Null
16	Vehicle_name	NVARCHAR	20	Not Null
17	Driver_status	NVARCHAR	10	Not Null
18	Vehicle_status	NVARCHAR	10	Not Null
19	Trans_status	NVARCHAR	10	Not Null
20	Totkm	FLOAT	--	Not Null
21	Tottoll	FLOAT	--	Not Null
22	Gsttx	FLOAT	--	Not Null
23	Totfare	FLOAT	--	Not Null

Driver details:

Table name: Driver_det

Table:

Sr. no	Name	Datatype	Size	Constraint
1	driver_ID	INT(IDENTITY)	--	Primary Key
2	driver_name	NVARCHAR	30	Not Null
3	Mobile_no	NUMBER	10	Not Null
4	Email_id	NVARCHAR	30	Not Null
5	Aadhar_no	NUMBER	12	Not Null
6	insaruance	NVARCHAR	10	Not Null
7	licence	NVARCHAR	20	Not Null
8	status	NVARCHAR	10	Not Null
9	Password	NVARCHAR	10	Not Null

Truck Assign:

Table name: Client_BookData

Table:

Sr. no	Name	Datatype	Size	Constraint
1	Client_Book_ID	INT(IDENTITY)	--	Primary Key
2	Client_ID	INT	--	Not Null
3	p_add	NVARCHAR	70	Not Null
4	d_add	NVARCHAR	70	Not Null
5	Material	NVARCHAR	25	Not Null
6	Truck_type	NVARCHAR	15	Not Null
7	S_date	NVARCHAR	15	Not Null
8	Weight	FLOAT	--	Not Null
9	Descry	NVARCHAR	70	Not Null
10	Tot_km	FLOAT	--	Not Null
11	Tot_fare	FLOAT	--	Not Null
12	Status	NVARCHAR	15	Not Null

Driver Assign:

Table name: D_Assign

Table:

Sr. no	Name	Datatype	Size	Constraint
1	trans_ID	INT(IDENTITY)	--	Primary Key
2	Order_ID	INT	--	Not Null
3	Driver_ID	INT	--	Not Null
4	Order_name	NVARCHAR	15	Not Null
5	Driver_name	NVARCHAR	25	Not Null
6	Source_st	NVARCHAR	30	Not Null
7	Dest_st	NVARCHAR	30	Not Null
8	Goods_type	NVARCHAR	15	Not Null
9	Driver_mob	NUMBER	10	Not Null
10	Driver_status	NVARCHAR	10	Not Null
11	P_date	NVARCHAR	15	Not Null
12	D_date	NVARCHAR	15	Not Null
13	Trans_status	NVARCHAR	10	Not Null
14	Ostatus	NVARCHAR	10	Not Null
15	Vid	NVARCHAR	15	Not Null
16	Vno	NVARCHAR	15	Not Null
17	Vname	NVARCHAR	25	Not Null
18	Vstatus	NVARCHAR	10	Not Null

Order Report:

Table name: Order_report

Table:

Sr. no	Name	Datatype	Size	Constraint
1	ID	INT(IDENTITY)	--	Primary Key
2	Trans_ID	INT	--	Not Null
3	Order_ID	INT	--	Not Null
4	Order_name	NVARCHAR	20	Not Null
5	S_status	NVARCHAR	10	Not Null
6	D_status	NVARCHAR	10	Not Null
7	G_type	NVARCHAR	15	Not Null
8	P_date	NVARCHAR	10	Not Null
9	Driver_ID	INT	--	Not Null
10	Driver_name	NVARCHAR	30	Not Null
11	Driver_mob	NUMBER	10	Not Null
12	Ostatus	NVARCHAR	10	Not Null

Order Booking:

Table name: Order_bk

Table:

Sr. no	Name	Datatype	Size	Constraint
1	Order_ID	INT(IDENTITY)	--	Primary Key
2	Order_name	NVARCHAR	15	Not Null
3	S_dist	NVARCHAR	15	Not Null
4	S_state	NVARCHAR	15	Not Null
5	D_dist	NVARCHAR	15	Not Null
6	D_state	NVARCHAR	15	Not Null
7	P_date	Date	--	Not Null
8	D_date	Date	--	Not Null
9	G_type	NVARCHAR	15	Not Null
10	Status	NVARCHAR	10	Not Null

Vehicle Details:

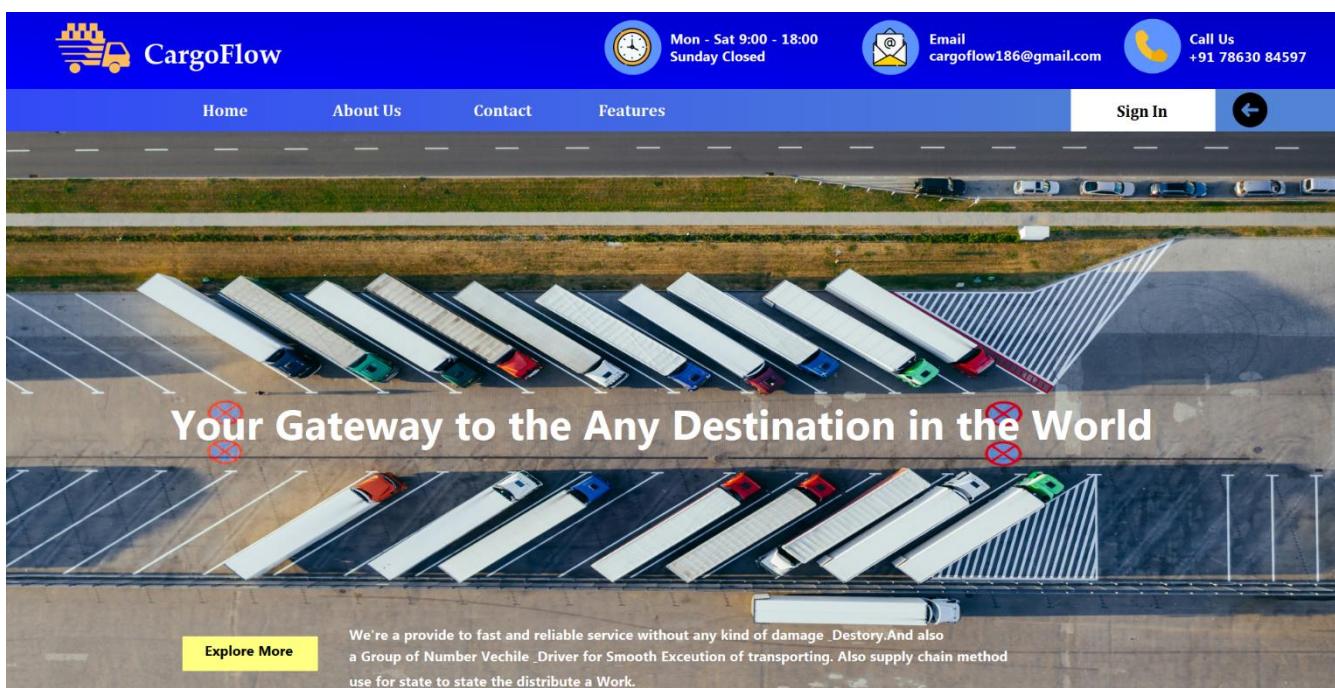
Table name: Vehicle_Details

Table:

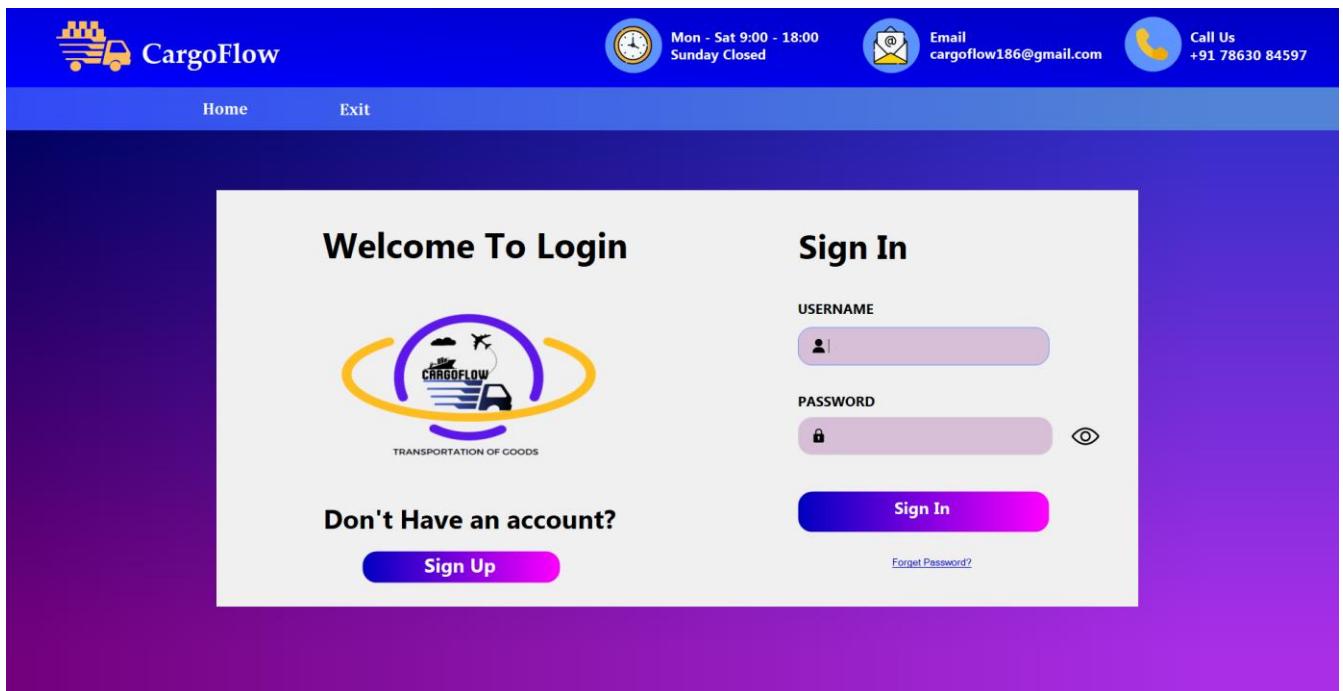
Sr. no	Name	Datatype	Size	Constraint
1	Vehicle_ID	INT(IDENTITY)	--	Primary Key
2	Vehicle_No	NVARCHAR(10)	10	Not Null
3	Vehicle_type	NVARCHAR(10)	10	Not Null
4	Vehicle_name	NVARCHAR(20)	20	Not Null
5	Vehicle_ins	NVARCHAR(20)	20	Not Null
6	Vehicle_chass	NVARCHAR(20)	20	Not Null
7	Vehicle_Eng_no	NVARCHAR(20)	20	Not Null
8	V_image	IMAGE	--	Not Null
9	Vechile_status	NVARCHAR(10)	10	Not Null

Screen Layouts

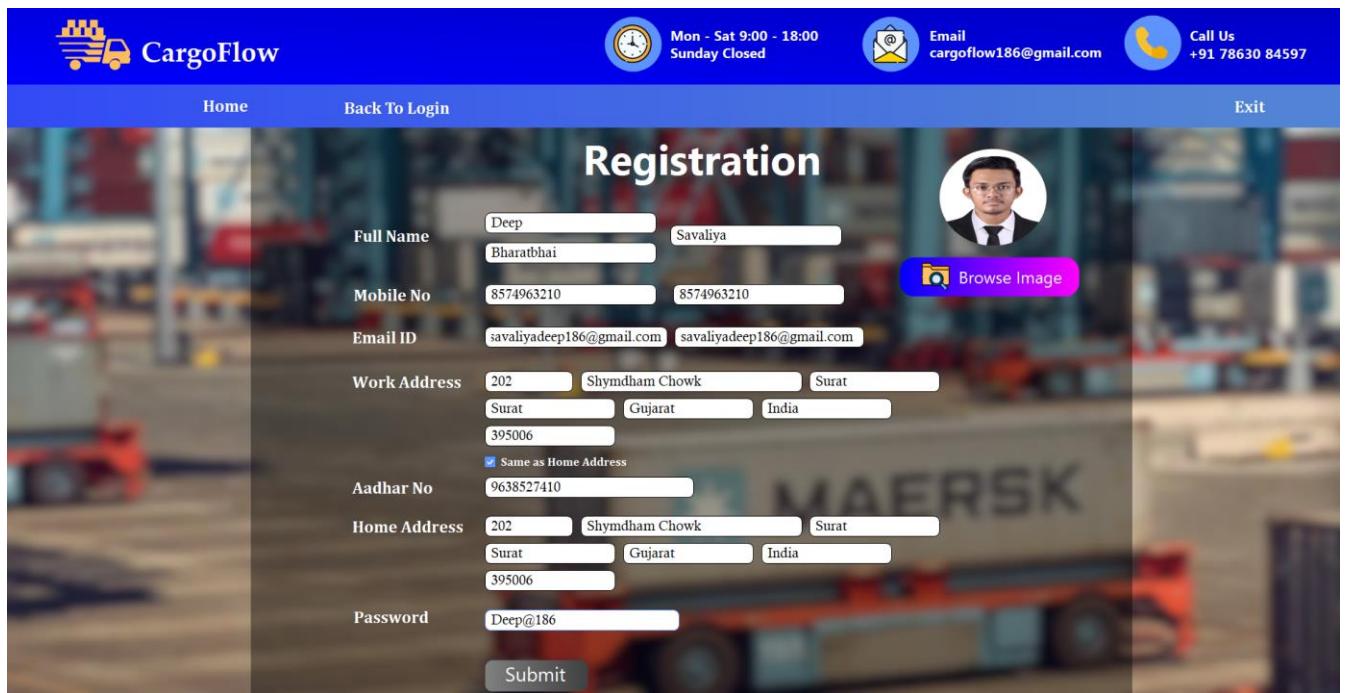
Home Page Of Client Application



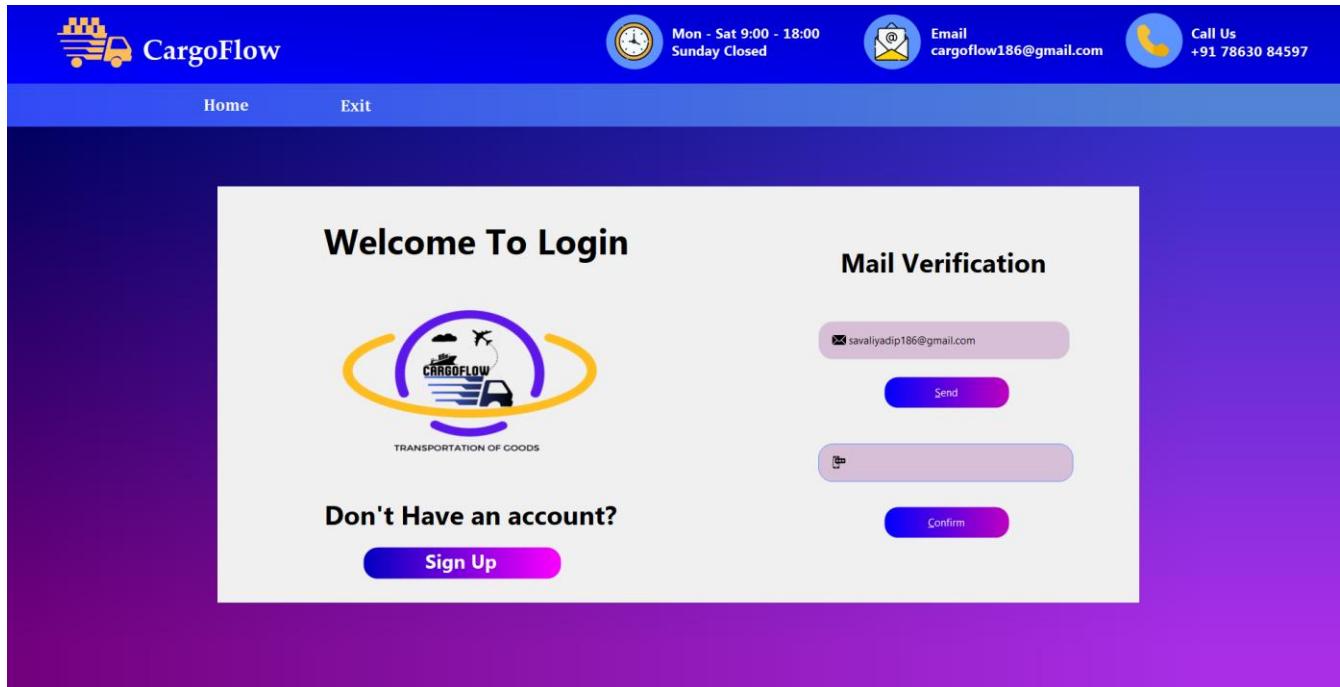
Client Sign in Page: Here sign in the credentials of sign-up Details.



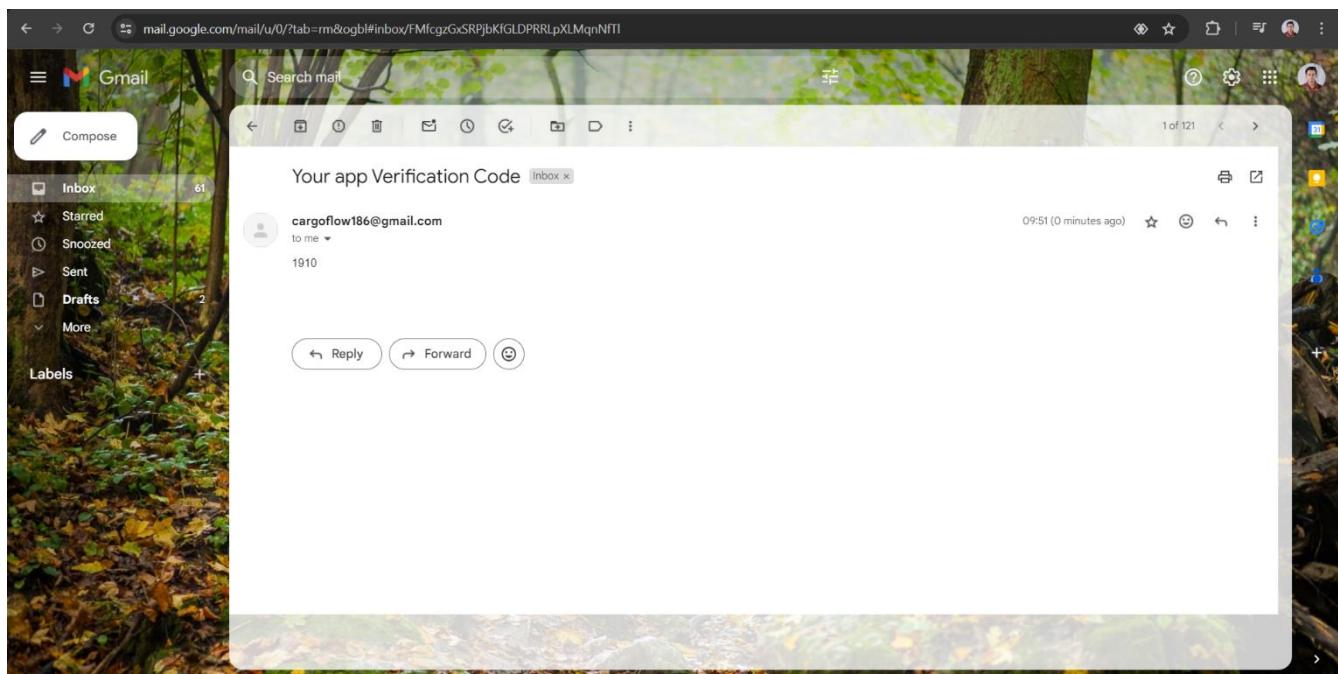
Client Registration Page: Here the client registers all details after sign in application and access all the functionality.



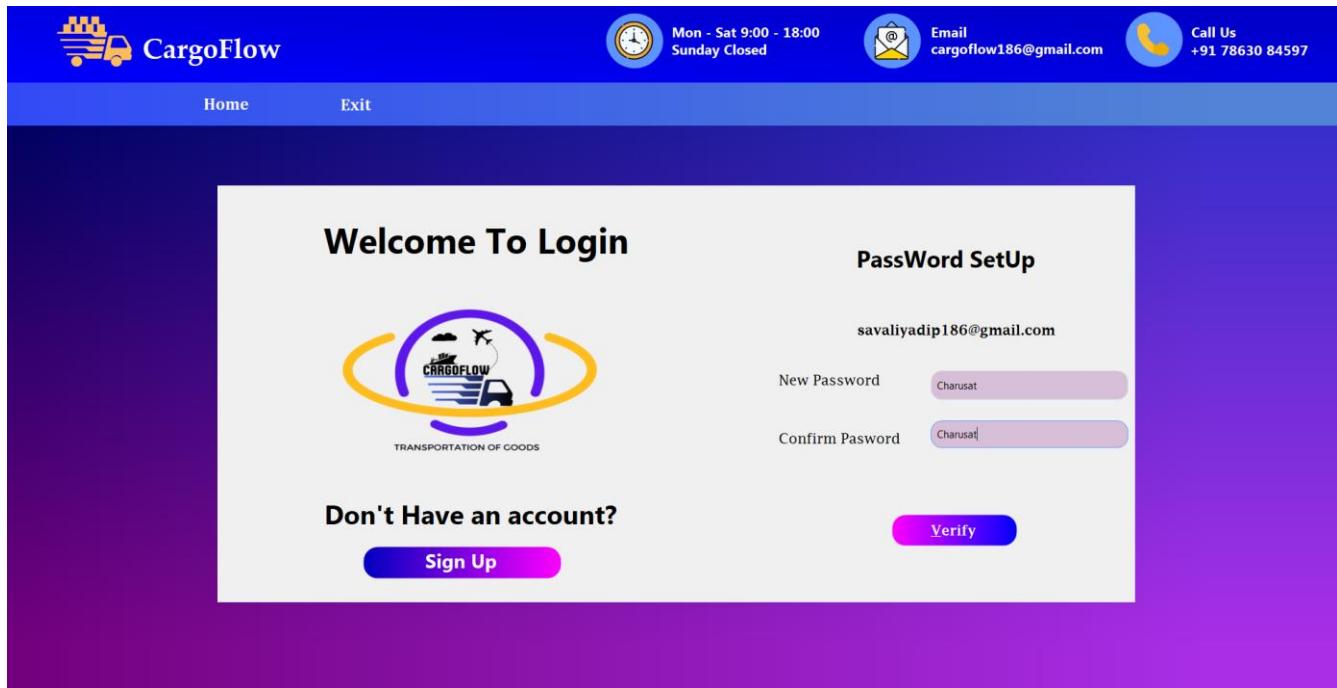
Forget Password: Here if student forget His/her password so here He can enter his/her Email will send the reset password verification code to respective email id.



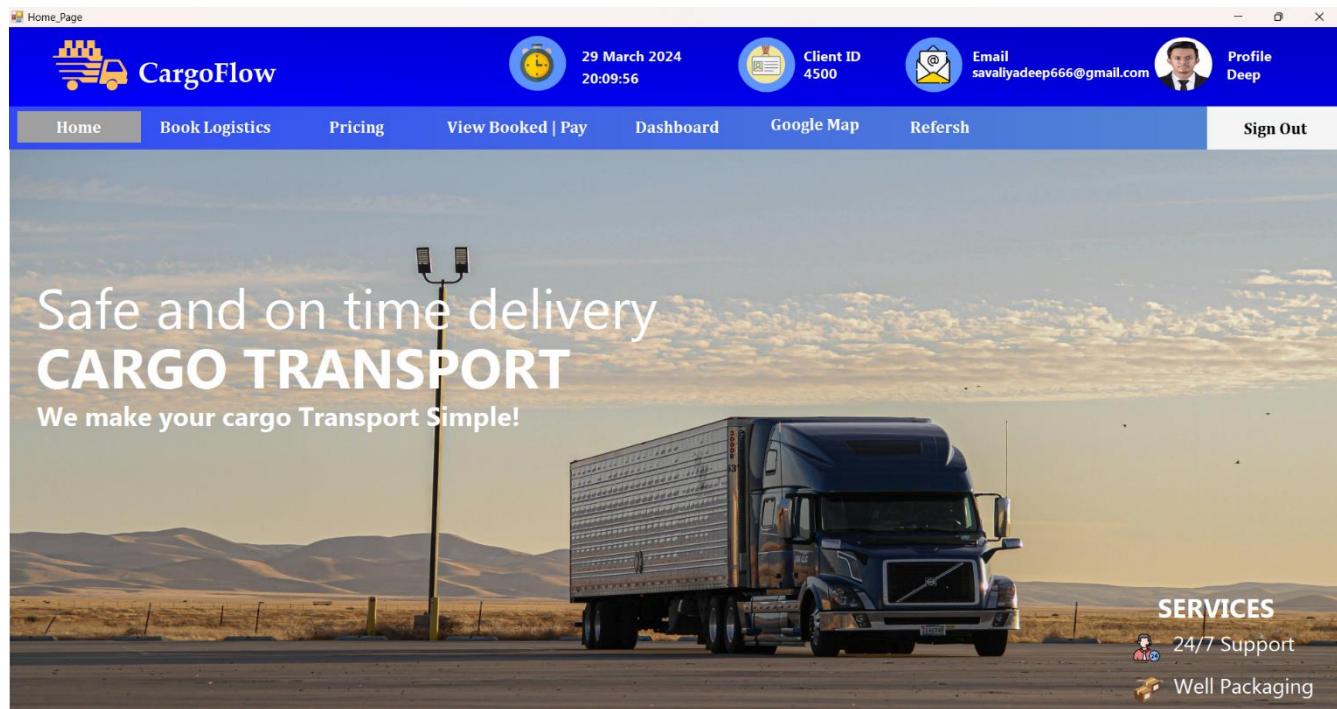
Reset password Verification Code will be send Client Registered email



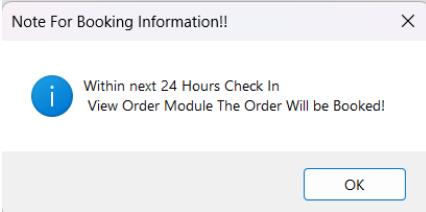
Setup New Password and re-enter your new updated password



Client Sign Up After Home Page



Client can Book Order with fill the details



After Few Hours the Admin Side Request will be Generate and Remark and Amount decided based on Km and Weight of Transport.

Km	Amount
0 - 100	7500
100 - 200	10000
200 - 500	15000
500 - 1000	20000
1000+	20000+

Company Cost = 63 Rs / Km (Included All Tax)

GST Upto 18% Included

Total Charges = Fuel Cost + Driver Charge + Truck Hire Cost + GST

Client After a Reviewed the Order and Pending Payment Details.

The screenshot shows the CargoFlow client interface. At the top, there's a header bar with icons for Home, Book Logistics, Pricing, View Booked | Pay, Dashboard, Google Map, Refresh, Sign Out, Client ID (4500), Email (savallyadeep666@gmail.com), and Profile (Deep). Below the header, a section titled "Viewed Booked" displays a booking summary. The summary includes:

- Pickup Address:** Surat
- Total Km:** 668
- Drop Address:** Dwarka
- Total Toll Price:** 2000
- Truck Type:** ASHOK LEYLAND
- GST Amount:** 11175.12
- Weight (Metric Ton):** 25
- Total Amount:** 73259.12
- Materials:** Liquid In Drums
- Scheduled Date:** 29 March 2024
- Description:** Transport in Safe Manner
- Driver Name:** KK Patel
- Driver Mobile:** 8574012369
- Vechile ID:** 7008
- Vechile No.:** GJ05GH2433
- Vechile Name:** Proton Mini

On the right side, there's a purple box with the heading "Pending Order For Payment" and a sub-section with a dollar sign icon and the number "1". Below the summary, there are two buttons: "Pay | Confirmed Order" and "Get Bill".

Get a Bill in PDF Format.

The screenshot shows a PDF document titled "CARGOFLOW Invoice". The document has a header with the logo "Jay Shree Krishna TRANSPORTATION OF GOODS" and the title "CARGOFLOW Invoice". It includes a date stamp "Date :- 28-03-2024 19:05:03". Below the stamp, it lists the following transport details:

- Pickup Address :- Surat
- Drop Address :- Vapi
- Truck Type :- TATA ACE
- Weight(Metric Ton) :- 25
- Materials :- House Hold Goods
- Scheduled Date :- 30 March 2024
- Description :- Delivered a order Safe manner
- Driver Name :- DS Savaliya
- Driver Mobile :- 8574129630
- Vechile ID :- 7008
- Vechile No. :- GJ05HY5645
- Vechile Name :- Suzuki Carry

Dashboard for Client Scaling the Information about the Transportation.

The screenshot shows the CargoFlow Client Dashboard with the following information:

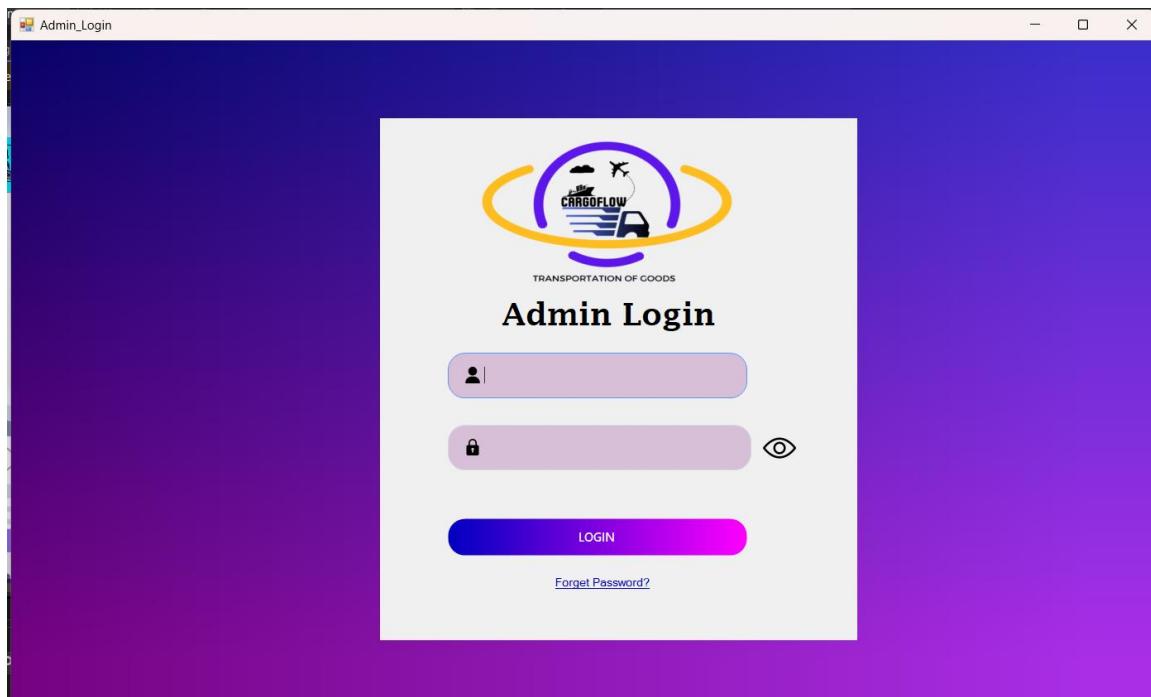
- Total Order Completed:** 4 (Icon: Yellow box with checkmark)
- Total Km Travel:** 2554 (Icon: Yellow car)
- Pending Order For Payment:** 1 (Icon: Green document with dollar sign)
- Total Amount Pay:** Rs. 213955.24 (Icon: Yellow rupee symbol)
- Order In Review:** 0 (Icon: Blue person with phone)

Google Map Service Provide for Client Get the Current Location and mapping the destination to deliver an Order.

The screenshot shows the CargoFlow Client Dashboard with a Google Map of Surat, India. The map displays various locations, roads, and landmarks. Key locations labeled include Surat, Adajan, Kataragam, Varachha, Valsad, and several surrounding towns like Dhanera, Amboli, and Valsad. The map also shows major roads like NH 6, NH 16, and NH 8. A legend at the bottom left provides options for Map, Terrain, Traffic, Transit, Biking, and More.

Admin Side Application

Admin Login Page



Admin Dashboard

Dashboard

28 March 2024
19:13:18

Sun	Mon	Tue	Wed	Thu	Fri	Sat
25	26	27	28	29	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	1	2	3	4	5	6

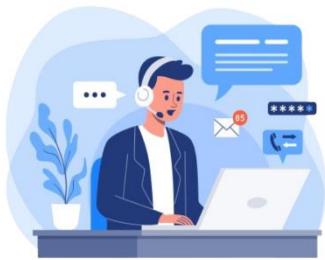
Today: 28-03-2024

TRANSPORTATION OF GOODS

Transaction Update

Order Completion

Order History



Welcome To Driver Module
Driver Add New Member in Company



Add Driver Details by Admin

ADD DRIVER

Driver Name: -

Mobile No: -

E- Mail ID: - Password: -

Aadhar No.: -

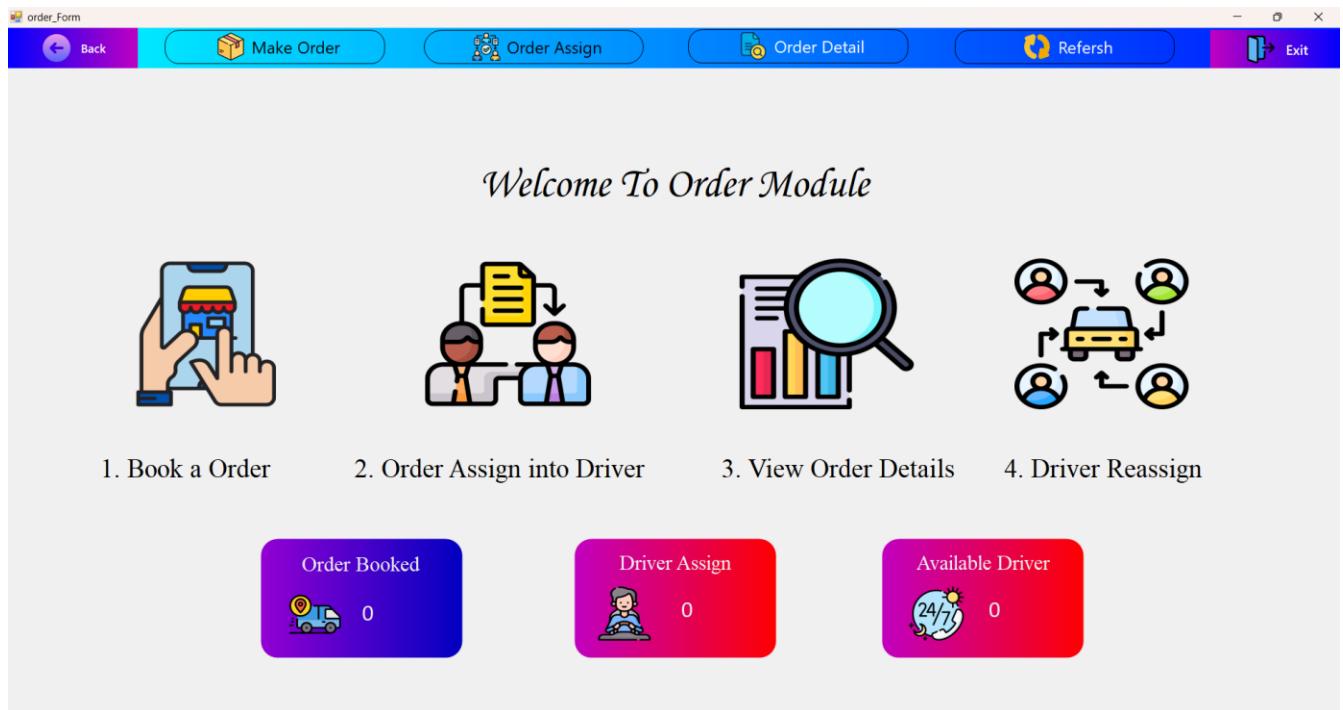
Insurance: - Yes No

Driver Licence No: -

Driver Status: -

Fill the Driver Details

Admin Can Booked the Ordered Directly



The screenshot shows the 'Order Booked Form' window with the following fields:

- Order Booking Name: -
- Source District: -
- Source State: -
- Destination District: -
- Destination State: -
- Pickup Date: - 09 February 2024
- Delivery Date: - 09 February 2024
- Goods Type: -
- Status: -

A large purple button at the bottom right says **Booked**.

Admin Fill up the details and directly booked a Ordered.

Admin Allocate a Driver with Truck Assign

Driver Assign

Driver ID: -

Driver Name: -

Driver Mobile: -

Driver Status: -

Transaction Status: -

Order Assign

Order ID : -

Order Booking Name : -

Source State: -

Destination State: -

Goods Type : -

Pickup Date: - 09 February 2024

Delivery Date: - 09 February 2024

Status : -

Truck Assign

Vechile ID : -

Vechile No.: -

Vechile Name.:-

Vechile Status :-

Booked

Admin Also Re-Allocate a Driver from one task to another

Old Driver

Driver ID: -

Driver Name: -

Driver Mobile: -

Driver Current Status: -

New Driver

Driver ID: -

Driver Name: -

Driver Mobile: -

Driver Status: -

Driver Reassign Module

Transaction ID: -

Order ID : -

Order Booking Name : -

Source State: -

Destination State: -

Goods Type : -

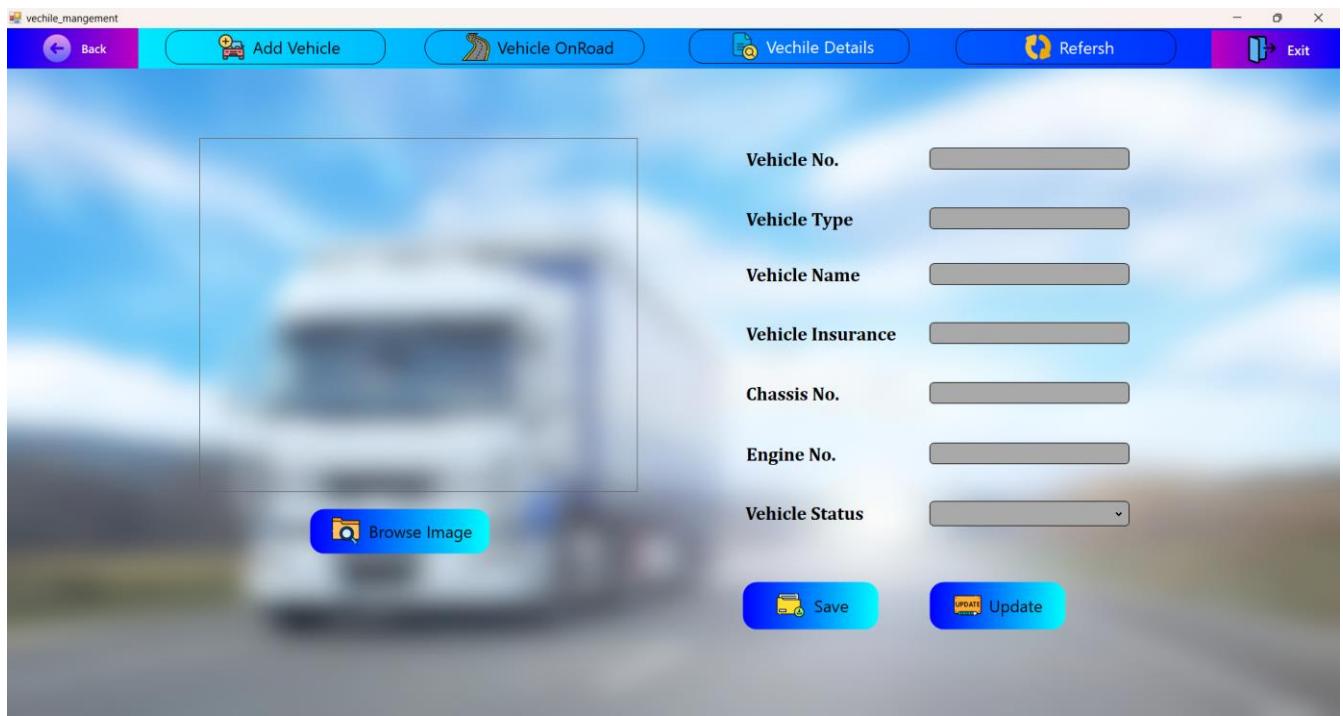
Pickup Date: - 09 February 2024

Delivery Date: - 09 February 2024

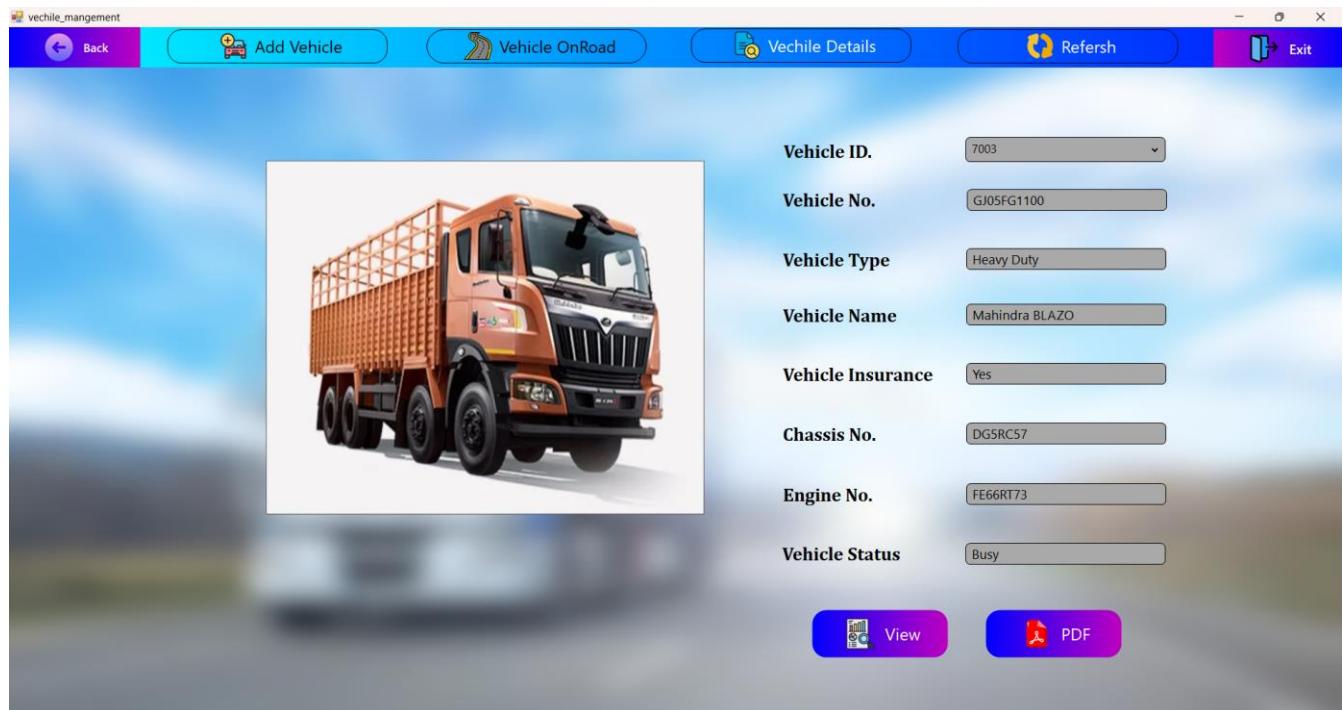
Status : -

Old Driver Reassign

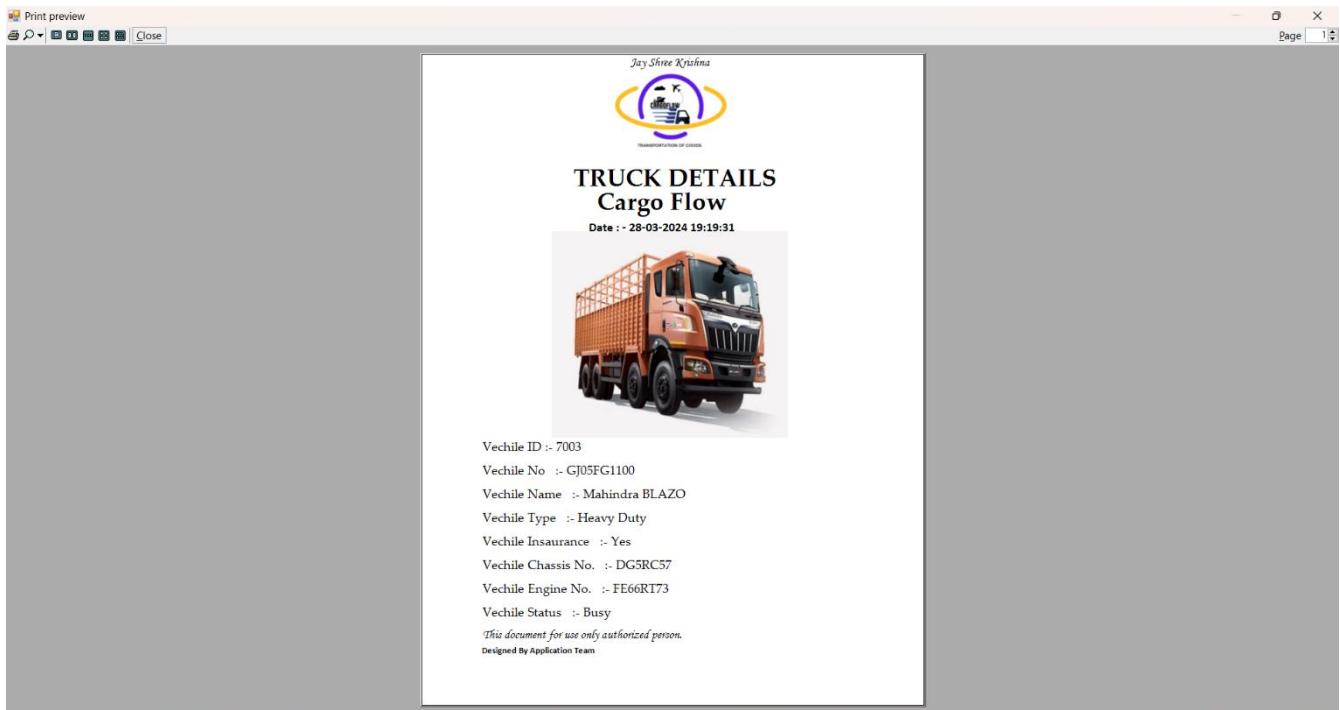
Admin Add Vehicle with Photo and Details



Admin View Details and Download PDF File



PDF Format Vehicle Details



Client Booked Order assign a Driver, Vehicle and Fare of Transportation

Client Book ID: 108
Client ID: 4501
Pickup Address: Vapi
Drop Address: Surat
Truck Type: ASHOK LEYLAND
Weight (Metric Ton): 20
Materials: Bardana Jute or Plastic
Scheduled Date: 22 March 2024
Description: Nope

Driver Assign		Truck Assign	
Driver ID: -		Vechile ID : -	7010
Driver Name: -		Vechile No. :-	GJ05DG6554
Driver Mobile: -		Vechile Name. :-	Atul Shakti
Driver Status: -		Vechile Status :-	Free
Transaction Status: -			

Fare Calculation

Total Kilometers	Kilometers	GST Tax	GST
Total Toll Charges	Toll Charges	Simple Fare	Total

Calculate

Submit All Details

Client Booked Order View by Admin

Transaction ID	5436	5436	102	4500	Nana Varracha, ...	Vapi	ASHOK LEYLAN...	25	Cement	20 March 2024	Not At All
Client ID	4500	5437	103	4501	Anand	Surat	ASHOK LEYLAN...	25	Coal And Ash	19 March 2024	Not Suggestion
Pickup Address	Nana Varracha, Surat	5438	104	4500	Rajkot Gujarat	Mumbai	ASHOK LEYLAN...	25	Metals	22 March 2024	Handled With Ca...
Drop Address	Vapi	5439	105	4500	Dwarka Gujarat	Surat	TATA ACE	5	Industrial Equip...	25 March 2024	Industrial Work S...
Truck Type	ASHOK LEYLAND	5440	106	4500	Ratam	Surat	TATA ACE	20	Scrap	21 March 2024	Keep It Safe
Weight (Metric Ton)	25	5441	107	4501	nana varracha s...	vapi	TATA ACE	20	Auto Parts	22 March 2024	no
Materials	Cement	5442	120	4500	Surat	Dwerka	ASHOK LEYLAN...	25	Liquid In Drums	29 March 2024	Transport in Saf...
Scheduled Date	20 March 2024	5443
Description	Not At All	5444
Driver ID: -	2100	5445
Driver Name: -	Deep Savaliya	5446
Driver Mobile: -	7863084597	5447
Driver Status: -	Assign	5448
Transaction Status: -	Completed	5449
Vechile ID : -	7000	5450
Vechile No. :-	GJ05FH4315	5451
Vechile Name. :-	TATA ULTRA 1918.T	5452
Vechile Status :-	Busy	5453

Admin Also Access a Google Map Service for Fare Calculation of Kilometer

System Testing

System Testing

Testing Strategies:

System Based on the user or Customer those use the application will interact with based on that system module will be divided and based on that the testing condition. And also, the customer will interact like Registration Form, Login Process, Sign Up and Also the Book the Logistics. And Also, Admin Side the Testing Module like Add the Driver, Update, Delete, And also Particular Driver Details also. Admin add also driver and update those details and assign to particular direction based on that the interact with admin side application test case will be developed.

Client-Side Application Testing Module					
Case No.	Functions	Input Values	Expected Output	Actual Output	Remarks
1	Credentials	Enter Username	Username	Enter Username	Pass
2	Credentials	Cargoflow123@gmail		Cargoflow123@gmail	Pass
3	Credentials	Enter Password	Password	Enter Password	Pass
4	Credentials	CargoFlow23		CargoFlow23	Pass
5	Registration	Enter Full Name	Full name	Name (Deep Savaliya)	Pass
5	Registration	Enter Mobile No.	Mobile No.	Mobile No. (123456790)	Pass
6	Registration	Enter Work Address	Address	Address	Pass
7	Registration	Enter Home Address	Address	Address	Pass
8	Registration	Enter Aadhar No.	Aadhar No.	Aadhar (6514286393)	Pass
9	Registration	Password	Set Password	Password (Deep@123)	Pass
10	Sign Up	Email Verification	Enter OTP	OTP Valid	Pass
11	Sign Up	Enter Update Password	New Password	Updated Password	Pass
12	Book Logistics	Enter Pickup Address	Pickup Address	Address (Surat)	Pass
13	Book Logistics	Enter Drop Address	Drop Address	Address (Ahmedabad)	Pass
14	Book Logistics	Enter Truck Type	Truck Type	Truck Type (Tata Motors)	Pass
15	Book Logistics	Enter Scheduled Date	Date	Date (16-04-2024)	Pass
16	Book Logistics	Enter Weight	Weight	Weight (25 Ton)	Pass
17	Book Logistics	Enter Description	Description	Desc (Handled with Care)	Pass
18	Viewed Booked	Enter Transaction ID	Shown Details	Show Ordered Booked Details	Pass
19	Google Maps	Enter Source and Destination	Show Maps Direction	Show Map Direction with Km	Pass
20	Profile Page	Select Profile Photo	Show Client Details	Client Details	Pass

Admin Side Application Testing Module					
Case No.	Functions	Input Values	Expected Output	Actual Output	Remarks
1.	Admin Login	Enter Username	Verified Username	Verified Username	Pass
2.	Admin Login	Enter Password	Verified Password	Verified Password	Pass
3.	Add Driver	Enter Driver Name	Driver Name	Mehul Patel	Pass
4.	Add Driver	Enter Mobile No.	Mobile No.	8574963210	Pass
5.	Add Driver	Enter Driver Aadhar No.	Aadhar No.	6854895354426	Pass
6.	Add Driver	Enter Driver License No.	License No.	EX545634HG	Pass
7.	Driver Details	Enter Driver ID	Driver Details	Driver Details	Pass
8.	Add Vehicle	Enter Vehicle No.	Vehicle No.	GJ05KL2536	Pass
9.	Add Vehicle	Enter Vehicle Type	Vehicle Type	Heavy Duty	Pass
10.	Add Vehicle	Enter Vehicle Name	Vehicle Name	Mahindra Blanzo	Pass
11.	Add Vehicle	Enter Vehicle Insurance	Vehicle Insurance	Yes	Pass
12.	Add Vehicle	Enter Chassis No.	Chassis No.	DG52567	Pass
13.	Add Vehicle	Enter Engine No.	Engine No.	YH85796	Pass
14.	Add Vehicle	Enter Vehicle Status	Vehicle Status	Free/Busy	Pass
16.	Client Orders	Select Book ID	Book Details	Book Details in Controls	Pass
17.	Client Orders	Select Driver ID	Driver Details	Driver Details in Controls	Pass
18.	Client Orders	Select Truck ID	Truck Details	Truck Details in Controls	Pass
19.	Client Orders	Enter Total Km	Total Kilometer	153 km	Pass
20.	Client Orders	Enter Toll Charges	Toll Charges	1500	Pass
21.	View Booked Orders	Select Transaction ID	Transaction ID	5436	Pass
22.	Google Maps	Enter Source Location	Source Location	Nana Varachha, Surat	Pass
23.	Google Maps	Enter Destination Location	Destination Location	Vadtal, Nadiad	Pass
24.	Google Maps	Get Direction	Total Time & Distance	5 hours & 250 Km	Pass

Future enhancement

Future Enhancement

- Implement system when internet connectivity is on
- Will ease the work for the traders who are struggling from transportation services
- And also, the two-wheeler vehicles will be included for transportation of small packages
- In future we'll add driver side application so that driver can see the booked orders

Bibliography/ References

Bibliography / Reference

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- <https://unsplash.com/>