

# **Travel Money**

A PROJECT REPORT

*Submitted by*

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CSE3001 Software Engineering (EPJ)

**Project Guide**

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COMPUTER SCIENCE AND ENGINEERING



**Winter Semester 2020-21**

## **Abstract**

This website aids to help faster delivery of products/ items from people to other people by replacing the courier service. Since courier services, particularly in India, are costly and cannot reach some areas like villages, this system plans to involve people who travel to such areas in order to help the ones who want to transport their items there.

People will have to register themselves on a website. They will have to update the start location and destination whenever they are travelling somewhere. It's on the user's wish whether or not to update the location. If any person wants to deliver their product to the destination of the traveller then, the traveller will accept the parcel and will be paid according to the distance that he's covering.

List of abbreviations :

1. WBS – Work Breakdown Structure
2. GPS - Global Positioning System
3. UI - User Interface
4. ER Diagram - Entity Relationship Diagram
5. UML - Unified Modelling Language
6. PC - Personal Computer
7. DB - Database
8. LAMP - Linux, Apache, MySQL, PHP/Perl/Python stack

List of figures :

1. Fig. 3.1 – WBS Diagram
2. Fig. 1 and fig. 2 - Gantt chart
3. Fig. 3 - ER Diagram
4. Fig. 4 - UML Use case diagram
5. Fig. 5 - UML Class diagram

### **Acknowledgement**

We take immense pleasure in thanking Dr. G. Viswanathan, my beloved Chancellor, VIT University and respected Dean, Dr. R. Saravanan, for having permitted me to carry out the project.

We express gratitude to my guide, Prof. Ushus Elizebeth Zachariah, for guidance and suggestions that helped me to complete the project on time. Words are inadequate to express my gratitude to the faculty and staff members who encouraged and supported me during the project. Finally, I would like to thank my ever-loving parents for their blessings and my friends for their timely help and support.

Signature of Student

**Vedant Karale**

**Neel Choksi**

## TABLE OF CONTENTS

Sr. no.	Title	Page no.
1.	Introduction	5
2.	Literature Survey	6
3.	Proposed System Requirements	7
4.	Design of the proposed System	15
5.	Implementation and Testing	41
6.	Conclusion, Limitations and Scope of future Work	57
7.	References	58

## **1. Introduction**

### **1.1. Motivation**

Many times, we encounter situations where we have to transfer some goods from our place to some other place. This situation occurs often when parents need to transfer something to their child living in a hostel. There is the courier service for such situations but its drawbacks are that it is Expensive and Time consuming.

In such situations, we often seek for some person who's traveling to the destination where we need the product to be transferred. No one is willing to perform this transport for unknown people because they think of it as slavery (unpaid work without gratitude). To overcome this, we decided to create a platform where people who are travelling to destinations can earn money while they travel by transporting goods of other people in exchange for money. This way people can earn some extra amount and still be free from the bounds of necessary travel. It is up to the traveller whether to take up the task of transport or not.

So, we are giving them a way to earn money as they travel. By abandoning the expensive courier services.

### **1.2. Aim of the proposed Work**

The aim of developing a web application is to facilitate the frequently travelling people to earn money by delivering a parcel and to provide delivery of the parcel at a cheaper rate than the conventional courier services.

### **1.3. Objective(s) of the proposed work**

Objective of the proposed work is to develop the web application facilitating the users to signup and login as a Traveller or a Customer. The users signed up as a traveller to post about their travel schedule

### **1.4. Report Organization**

The rest of the report consists of the following sections. Section 2 contains the literature survey for this project. Section 3 covers the software requirement specifications including the gantt chart for the project with the github link for the SRS document submitted for review 1. Section 4 contains the software design specifications including the UI design and the UML diagrams .Section 5 covers the implementation screenshots and test cases with the github link for the code.

## **2. Literature Survey**

### **2.1. Survey of the Existing Models/Work**

Courier services like the DTDC are widely popular in the sphere of product transportation and it also has a wide reach offering services to domestic as well as international markets. Although it is a professional and much preferred courier service, it lags in the matter of being economically feasible for the customer as they charge extra for faster deliveries. Also, they cannot reach certain inaccessible areas in India, like the villages which are not shown on the GPS. Due to the widespread network of these courier services, they have now become very slow and the coordination seems to have reduced. As per the latest review from a customer of one such courier service,

*“My medicine package was supposed to be delivered by 31th may but it's 5 june today not yet delivered. The customer care just keeps giving me an improper response. They do not even respond to me. Have been continuously calling but not even picking my phone up. The delivery guy called and said come and collect your package at our office ..., We can't deliver at your doorstep..., Even though we paid all kinds of fees for doorstep delivery, they refused to do that ....I have never seen a worse service provider than DTDC.”* - Anonymous (5th June,2021).

### **2.2. Summary/Gaps identified in the Survey**

As mentioned earlier in section 2.1 of this document, the conventional courier services are unable to reach particular areas of the country. Due to the large network, the services have become slow in delivery and charge extra for faster deliveries which, again, are not guaranteed to be fast owing to the traffic conditions and other factors like the environment, breakdown of vehicles, etc. The customer care is not seen to be professional anymore.

### **3. Proposed System Requirements Analysis and Design**

#### **3.1. Introduction**

The purpose of developing a web application is to facilitate the frequently travelling people to earn money by delivering a parcel and to provide delivery of the parcel at a cheaper rate than the conventional courier services.

#### **3.2. Requirement Analysis**

##### **3.2.1. Stakeholder Identification**

Different types of stakeholders can use this document to perform their operations. The developers will get an idea of what are the exact functionalities to be implemented in the web application. The testing team will understand the most important parts of the web application and they will make sure that it works well. The sales and marketing teams will have access to the scope of the project which will help them market the product according to the actual features provided. This creates a synergy between all the operating teams and increases the probability of the success of the product.

##### **3.2.2. Functional Requirements**

###### **Traveller Use Cases:**

###### **1. Register into the system:**

On visiting the homepage the user will find an option to register as a traveller in the nav bar, on filling a form the user will be registered as a traveller and will be redirected to the functionality dashboard.

###### **2. Travellers can login and logout of the system:**

On registering into the system the user will be able to see a logout button in the navbar which will enable them to logout from the system. Furthermore when the user visits the website again, they can login using their credentials.

###### **3. Travellers can create post:**

The create post function will be found in the dashboard. On clicking the create post button, a post containing the price proposal, start and end locations, date of travel will be created on filling the requirements in the form.

###### **4. Travellers can view their posts and deactivate:**

A traveller can view all the posts posted to him/her and can update the status of the post to inactive if their travel plan is changed.

###### **5. Communicate with the customers:**

Travellers will be able to communicate with the customers using a chat box where the customers can chat with the travellers about their requirements and conditions.

###### **6. Accept the order:**

The traveller should be able to accept the order posted by the customer which will lead the customer to the payment portal and the post will no longer be seen in the posts section of customers.

#### **7.Update the order status:**

Travellers will be able to update the order status on pickup, delivery of the parcel.

### **Customer Use Cases:**

#### **1.Register into the system:**

On visiting the homepage the user will find an option to register as a customer in the nav bar, on filling a form the user will be registered as a customer and will be redirected to the functionality dashboard.

#### **2.Login and logout of the system:**

On registering into the system the user will be able to see a logout button in the navbar which will enable them to logout from the system.Furthermore when the user visits the website again , they can login using their credentials.

#### **3.View Posts:**

Customers can view the posts by the different travellers

#### **4.Communicate with the travellers:**

Customers can communicate with the travellers and mention their requirements and negotiate prices.

#### **5.Create the order**

After communicating with the customers the customers can create an order for the traveller in the same chat window. The traveller and customer will be able to view the order in the “ order placed by the customer, to be confirmed by the traveller” state.

#### **6.Update order status:**

Customers can update the status to confirm on pickup of parcel, delivery of parcel

### **Operating Environment:**

The software will be operational in the mobile browsers as well as desktop browsers including google chrome , mozilla firefox, opera. Safari. The hardware required to access the website would be a mobile phone with an Android or iOS operating system or a laptop or a PC running a Windows, Linux or Macintosh Operating System.

### **User interface:**

The user registration forms and login forms will require UI influence. The inputs should be validated before the user submits the forms.The creation of post and creation of order will require the UI influence.The updation of the



order at the different stages of the delivery of the parcel will require a User Interface.

**Communication interface:**

The web application will require a browser application in the mobile and tablet .It will require a web browser application on a Personal Computer and a Laptop. The web application will use the http to transfer, perform get and post requests to the server.

### **3.2.3. Non Functional Requirements**

**Performance requirements:**

The weight and dimensions of the parcel should be specified by the customer while communicating with the traveller so that the traveller can accommodate it in his/her own luggage for the trip.

**Safety requirements:**

The monitoring of the travellers should be implemented in the system after the initial development. The customers should be able to track their parcels which will enable them to estimate the delivery time as well as they will be assured that their parcel is in the right hands.The customers and the travellers should sign an agreement before registering into the web application.

**Security requirements:**

The user data will be secured on the server .The passwords will be hashed and stored in the database. The queries sent on the database will be secure and anyone that is not logged into the website will not be able to access the content of the website through the url.

**Software quality attributes:**

The web application developed will be easily adaptable and on deployment to a cloud server it should be available all the time. The application will be maintainable and reusable.

**Business rules:**

The traveller should mark the order delivered only on the delivery of the parcel. The customer should mark the order complete only after confirming with the receiver.On the later stage of the development of this web application,

the customer should be able to report the traveller for not delivering the order and the traveller should be able to report the customer if the customer does not mark the order complete on delivery of the order.

**Other special requirements:**

After the development of the initial version of this web application some legal documentation could be integrated to verify the users before registering. To integrate the payment functionality, the permissions will need to be issued from the banking agencies.

**3.2.4. System Requirements**

**3.2.4.1. H/W Requirements(details about Application-Specific Hardware)**

The external interface required to access the web application include a browser application on the mobile and tablet devices. A browser desktop application is required to access the web application on the Laptop or PC.

Internet connection is required to access the web application. During the deployment the website should be either deployed on a cloud server or in a local environment with port forwarding.

**3.2.4.2. S/W Requirements(details about Application-Specific Software)**

**Software interface:**

The software should be developed using LAMP stack. LAMP stack involves the use of PHP language for server side rendering. The Apache server will be used to deploy and test the web application . The Maria DB which is the new version of MySQL database will be used. The Linux environment will be used to develop and deploy the web application.

**3.2.5. Software Requirement Specification document**

The SRS document for this system contains the details about the requirements for this project to be successful the link to which can be found below:

review 1 document github link: <https://github.com/NeelChoksi/travel-money-final/blob/main/Review%201.pdf>

### 3.2.6. Work breakdown structure

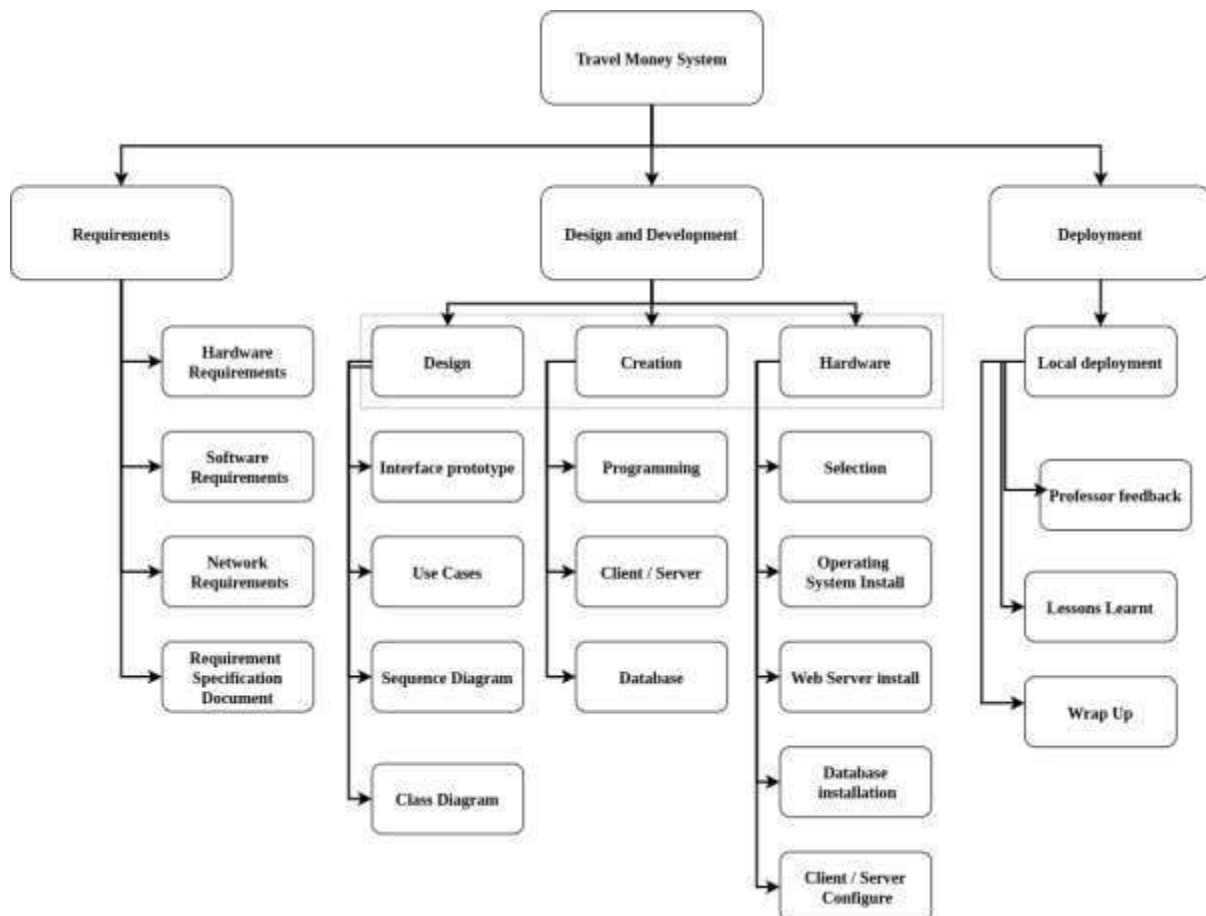


Fig. 3.1 WBS Diagram

#### **Design**

#### **Interface Prototype:**

#### **Use Case**

Portrayed in Section 4.3.2

#### **Sequence**

Portrayed in Section 4.3.2

**Class**

Portrayed in Section 4.3.2

**Creation****Database :**

For testing purposes XAMPP server must be installed and the database installed will be Maria DB

**Software:**

Client  
Server-Model  
Server-View  
Server-Controller

**Hardware**

Selection: Ubuntu Virtual Machine on a docker container for deployment

**Software:**

Docker : Will be installed on the cluster

Apache :Web server will be installed on the server

MariaDB: Will be installed on the server

**Customer Acceptance**

Site : URL and domain information given to the customer

**Wrap Up**

Data Collection: Statistics of the users could be queried using the SQL tables for orders in the database.

Lessons learnt: To render to the browser without refreshing the screen , AJAX request has to be used to post and get request from the server.

Reports: Reports will be generated based on the user activity

**Software Requirements****Functional Requirements****Traveller :**

1. Register: into the system by entering credentials and selecting password and selecting type as traveller.
2. Login : into the system by entering email,password and selecting type as traveller..
3. Create a Post:by entering start location ,date and end location,date, available weight and price proposed.
4. View Posts: view all posts created by the traveller
5. Deactivate the created Post: by clicking on deactivate button
6. Message: chat with the customer in the chat window who will contact the traveller after referring to the post.
7. View order: order is created by the customer and traveller can view it
8. Modify order: Traveller can modify the following states of the order :
  - a. Confirm order
  - b. Pickup parcel
  - c. Deliver parcel

**Customer:**

1. Register: into the system by entering credentials and selecting password and selecting type as Customer.
2. Login : into the system by entering email , password and selecting type as traveller.
3. View Posts: view all posts created by different travellers. Click on contact traveller to go to the chat window with the traveller.
4. Message: chat with the traveller in the chat window and discuss the requirements.
5. Place order: while in the chat window , place the order by entering the order requirements finalized in the chat.
6. View order: view the order created.
7. Modify order: Customer can modify the following states of the order :
  - a. Confirm Pickup
  - b. Confirm Delivery

**Non Functional Requirements**

**Interface:** User friendly and easily navigable, responsive web application which works on all types of devices including mobile, tablet, laptop, Personal Computers

**Portability:** Web Application will work in all browsers including android browsers

**Performance:** Functionality will work smoothly.

**Security:** Passwords will be encrypted before getting stored in the database. User will be prompted to set strong passwords

**Safety Requirements:** Database will be backed up .On failure the system will not lose data.

### 3.2.7. Gantt Chart

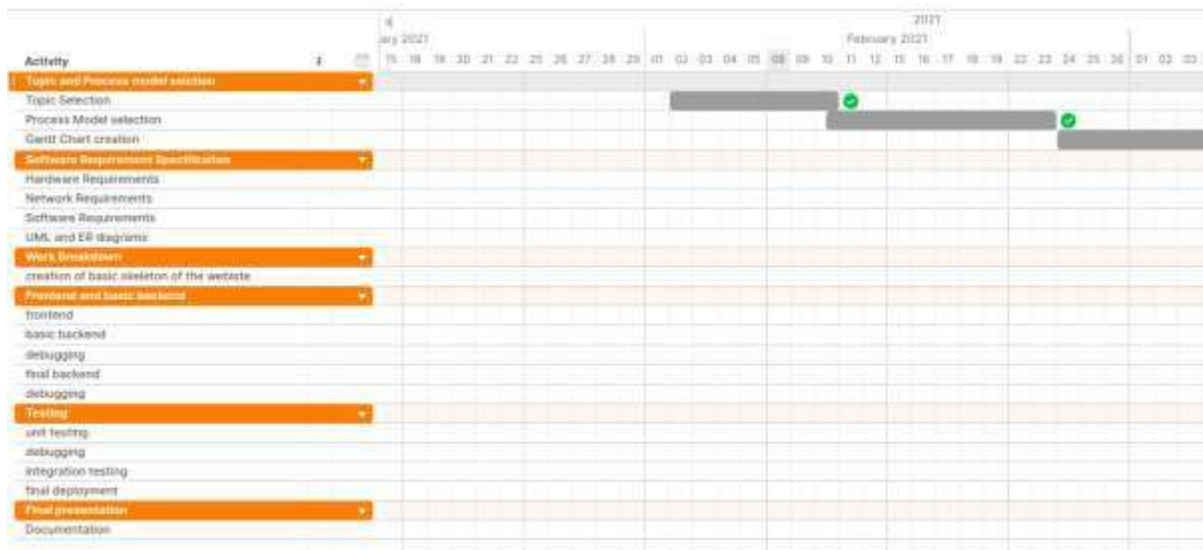


Fig. 1

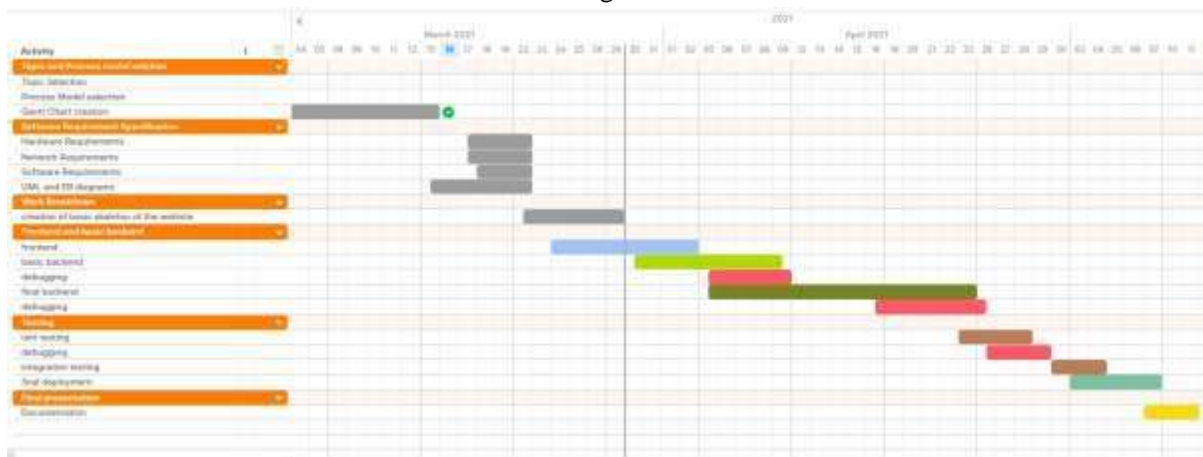


Fig. 2

## 4. Design of the Proposed System

### 4.1. Introduction

The frontend design of the Travel Money system will be implemented using HTML5 and CSS3. HTML forms and their styling will be done for the following pages:

1. Register Page for Traveller and Customer
2. Login Page for traveller and the customer
3. Create a Post Page for the Traveller.
4. Message Chat window for Traveller and the Customer
5. Place Order Page for Customer

The view and update pages will be designed using CSS Grid and will be done for the following pages:

1. View Posts for traveller and customer
2. View Orders and Modify State for traveller and Customer.

### 4.2. High level Design

#### 4.2.1. Architecture design

Register Page for Traveller and Customer

Identification	Register Page located at the homepage of the web application.
Type	The Register page is a part authentication module.
Purpose	To register users into the database and lead them to the dashboard.
Function	The register page enables the users to register and login into the system. User credentials including name, email ,date of birth, password, identification and type of user will be stored in the users database table . The type of user can be either Traveller or Customer.
Subordinates	The users will be able to register only if they enter all the conditions else the error messages will be displayed accordingly.
Dependencies	For a new user the user he/she has to register using the user page only , without that the user cannot access his/her dashboard and other functionalities.
Interfaces	The form for the registration of users will be containing input fields and file upload fields. All the fields are mandatory ,only image files can be uploaded in the profile section and only the pdf file format can be used to upload the aadhar card.Once the inputs pass validation , the user should be directed to the dashboard.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The inputs can be sent to the server php code where they can be checked if they are empty or not, and the file name should be parsed and type should be compared to the required type.
Data	The data should be validated and if all the inputs pass the validation, the inputs should be inserted as a row in the database.

#### Login Page for Traveller and Customer

Identification	Login Page for the traveller and Customer.
Type	Login Page is a part of the authentication module.
Purpose	To verify and Login registered users into the system.
Function	It takes in the email, password and type of user and gives access to the dashboard from where the user can navigate the web application and perform functionalities.
Subordinates	Enables only the registered users to login into the system.
Dependencies	The Registration module should be successfully completed by the user.
Interfaces	The inputs from the login form can be checked if they are empty or not. If not empty then the user should be fetched from the database having the input email id, if the password of the fetched user and the password entered matches, the user should be directed to the dashboard.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The inputs can be sent to the server php code where they can be checked if they are empty or not, and the file name should be parsed and type should be compared to the required type.
Data	The data should be validated and if all the inputs pass the validation, the inputs should be inserted as a row in the database.

#### Dashboard and Navbar for Traveller and Customer

Identification	Dashboard and Navbar for the Traveller and the Customer.
Type	Dashboard is a part of the General module connecting all the modules.
Purpose	Dashboard is constructed for the user to view and navigate to his/her functionalities, can also be done using Navbar.
Function	This page displays different cards to have a button to go to the module performing certain functionality and has the description of the module. The Traveller dashboard has the Create Post, View Post, Messages, View Order, Messages functionality cards. Customer dashboard has View Posts, View Orders, Messages functionality cards.
Subordinates	Users will be navigated to the functionality page according to the button pressed in the functionality cards.
Dependencies	Users should be logged in to the system using the Login Module.
Interfaces	The Data for the cards is static and has links to the php files in the internal file system of the website.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	On click of the button, the user will be redirected to the page according to the link associated with the button.
Data	The Data in the cards is statically typed to make the user aware about the functionalities that he/she can perform.



#### Create Post Page for Traveller

Identification	Create Post for the Traveller
Type	Create Post comes under the Posts module.
Purpose	Enable the traveller to create a post.
Function	The function of this page is to enable the traveller to create a post having the start location, end location , start date, end date, proposed price, available weight.
Subordinates	It creates the post and navigates the traveller to the view posts page where he/she can see the post created.
Dependencies	For the traveller to create a post he/she should be logged in and registered into the system using the authentication module.
Interfaces	The inputs of the post form will be validated for non empty inputs and will be inserted into the database having posts of the users with unique user ids.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The inputs can be sent to the server php code where they can be checked if they are empty or not, and the file name should be parsed and type should be compared to the required type.
Data	The data should be validated and if all the inputs pass the validation, the inputs should be inserted as a row in the database.

#### View Posts Page for Traveller and Customer

Identification	View posts for the traveller and the customer.
Type	View posts comes under Posts Module
Purpose	Enables the traveller to view his/her posts and the customer to view posts of all the travellers.
Function	Displays the posts of the traveller for the traveller and of all the travellers for the customer.
Subordinates	Separate queries are executed for traveller and customer accounts to fetch the data from the database to display.
Dependencies	Users should be logged in and registered to the system using the authentication module.
Interfaces	The traveller will be displayed his/her posts with a button to deactivate it. The customer will be displayed the posts as cards with a contact traveller button which will take them to the chat of the particular traveller who posted the post.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The links for the traveller deactivate button and customer contact traveller will be used by using the data fetched from the database.
Data	The traveller will be able to deactivate the post which will no longer be visible to the customers.

#### Messages Page For Traveller and Customer

Identification	Message Traveller and Customer
Type	Message is a part of Messages module
Purpose	To enable the travellers and customers to view the status of active or inactive and chat with them to discuss requirements.
Function	Displays the travellers to the customer and displays the customers to the traveller and lets them chat in a chat window.
Subordinates	The users database is used to fetch ids of the traveller and customer. A messages database is constructed where the messages are stored.
Dependencies	The customer and the traveller should be logged in and registered using the authentication module.
Interfaces	The traveller and the customer can post their chats into the chat input box and send using the send button.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The inputs can be sent to the server php code where they can be checked if they are empty or not, and the file name should be parsed and type should be compared to the required type.
Data	The data should be validated and if all the inputs pass the validation, the inputs should be inserted as a row in the database.

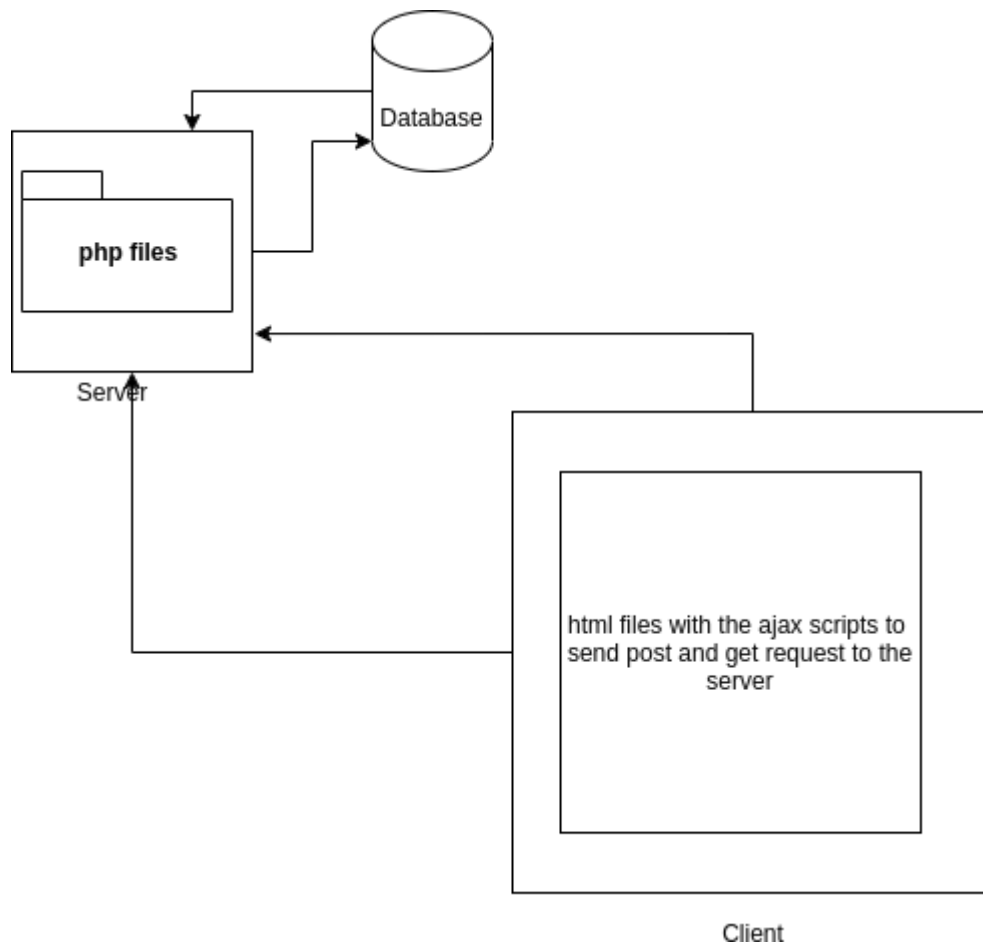
#### Create Order Page for customer

Identification	Create Order for customer.
Type	Create order is in the Orders module.
Purpose	Enables the customer to create an order .
Function	Creates the order by taking the order requirements including pickup address, delivery address , dimensions , weight of parcel, start,end date and the finalized price.
Subordinates	Creates an order in reference to the post clicked by the customer to contact the traveller.
Dependencies	The customer should have clicked on a post created by the traveller using the Posts module, the customer should be in a chat window with the traveller using the Messages module and the customer should be registered and logged in to the system using the authentication module.
Interfaces	The customer will first click the post again in the place order form and put in the other order requirements to proceed with the order.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The inputs can be sent to the server php code where they can be checked if they are empty or not, and the file name should be parsed and type should be compared to the required type.
Data	The data should be validated and if all the inputs pass the validation, the inputs should be inserted as a row in the database.

#### View and Update Orders Page for Traveller and Customer

Identification	View and Update Orders page for the traveller and customer
Type	The View and Update Orders page comes under the Orders module.
Purpose	To enable the traveller and customer to view the order , order status and modify the status of the order.
Function	Orders are seen for both customer and the traveller with the latest order on the top.
Subordinates	The update order buttons will change the state to next state based on the current state
Dependencies	The customer should have gone through the execution of the Create Order module.
Interfaces	The order will be displayed to the customer and the traveller with state , action, details. The customer and traveller will be able to change the state of the order based on the current state of the order.
Resources	Browser should be open with the web application and continuous connection of the internet should remain persistent throughout the operation.
Processing	The button clicked be sent to the server php code where it will check the current state of the order id and update the state.
Data	The order data will be fetched for the customer and traveller from the orders table in the database.

#### 4.2.2. Architecture diagram (explanation)

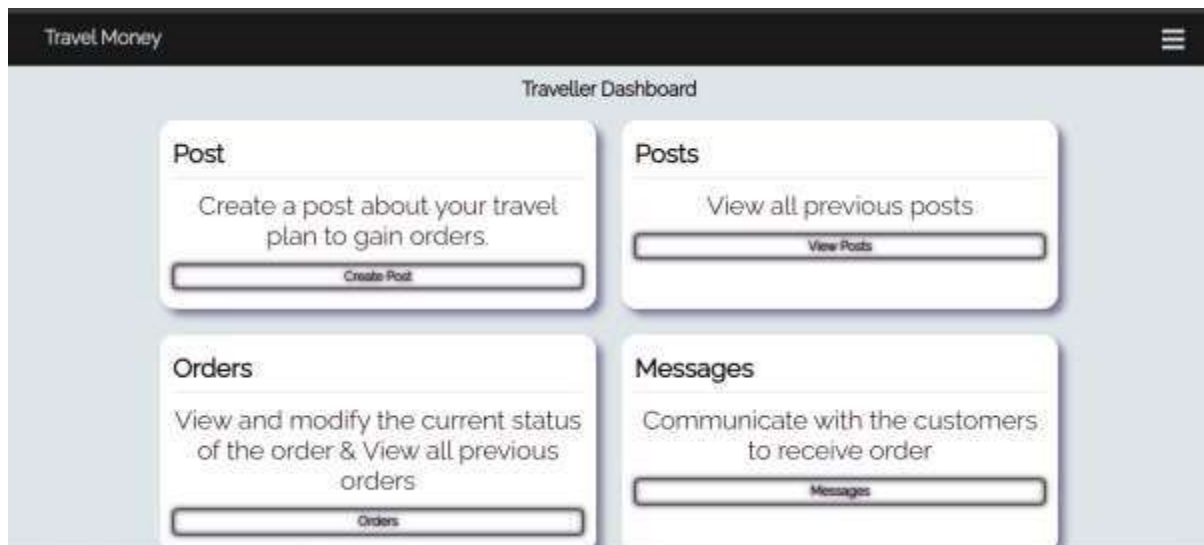


#### 4.2.3. UI design



## Traveller Dashboard :

Create Post, View Posts,Orders, Messages



### Create Post:

Using start\_locaiton,end\_location,proposed price, start\_date,end\_date,available weight.

The screenshot shows the 'Add Post' form. It includes the following fields: 'Start Location/City/Town' (with a dropdown menu showing 'Delhi'), 'End Location/City/Town' (with a dropdown menu showing 'Mumbai'), 'Start Date' (with a date picker showing '23/05/2023'), 'End Date' (with a date picker showing '25/05/2023'), 'Available weight in kg' (with a text input showing '2'), and 'Proposed Price in Rs' (with a text input showing '300'). A 'Create Post' button is located at the bottom of the form. At the very bottom of the page, there is a small text line: 'Made by Neel Choksi: 19BCE0590, Vedant Karale: 19BCE2058'.

### View Posts :

start\_location, end\_location, proposed price, start\_date, end\_date, available weight



### Deactivate Post :

post\_status = Inactive . post cannot be seen by the customer

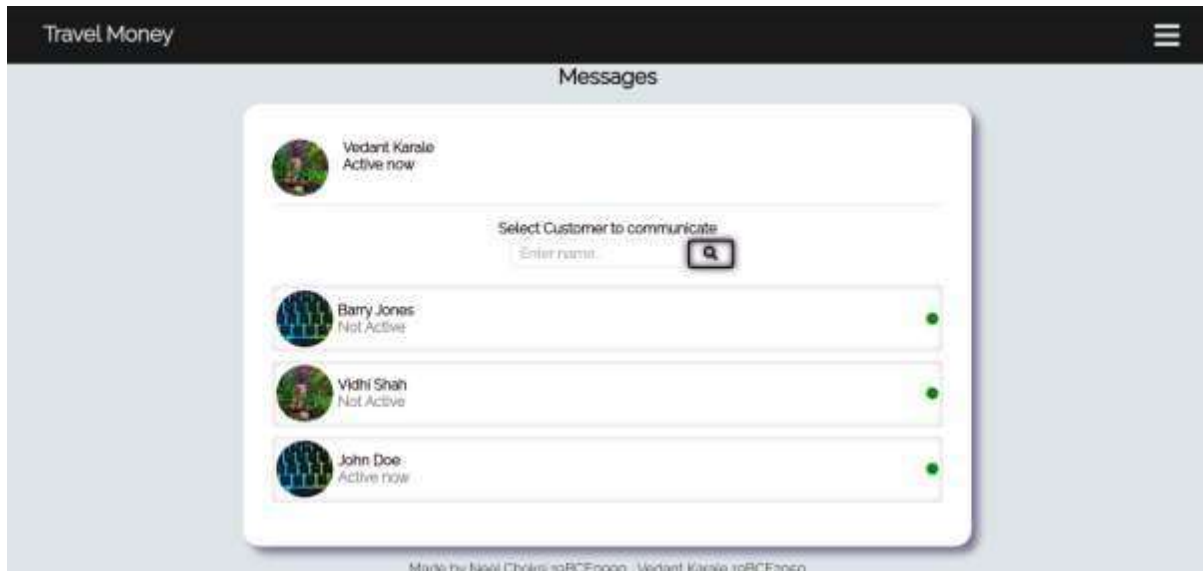


### View Customers to chat with:

Traveller clicks on Messages from the dashboard to check for client messages:

**(Customer View)**

**(Traveller View)**

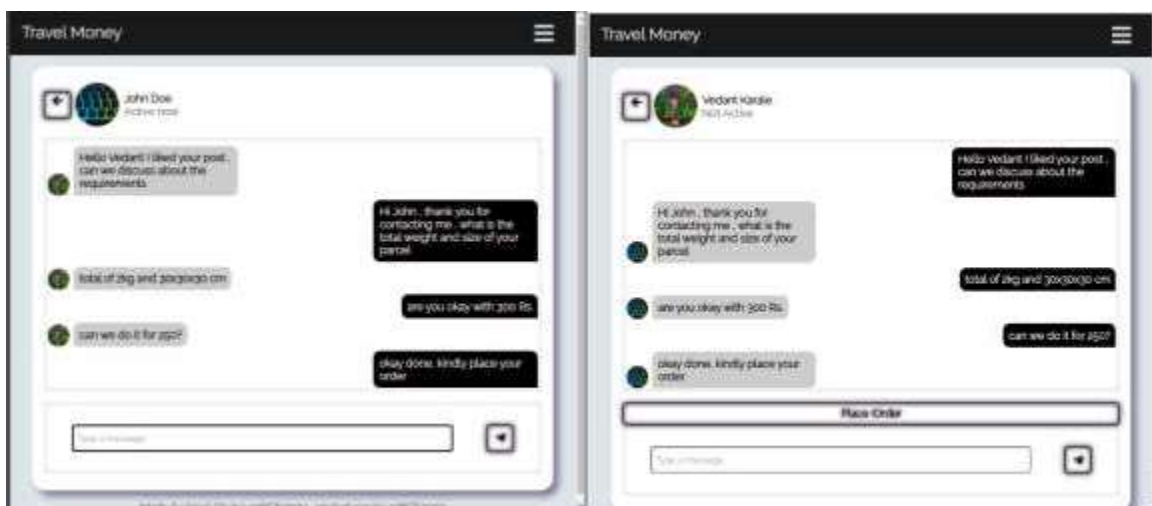


**Message:**

Chat box for the traveller and customer where they can discuss their requirements.

**(Traveller View)**

**(Customer View)**



### View orders :

(order\_details: price, locations, dates,dimensions of parcel)

Travel Money

My orders

Orders

Order#7

Customer: John Doe

Pickup: 345 ,Rise and Shine, DN Nagar. 44955  
(2021-05-23)

Deliver: 845, GPM Tellii galli , Andheri (East)  
(2021-05-25)

Size: h x w x d 30(cm)x30(cm)x30(cm)

Price:Rs. 250

Weight(in kg): 30

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

### Modify order status:

modify status of order when order is placed, parcel to be picked up and parcel to be delivered.

id	state	action
1	Order Placed by Customer,to be confirmed by the Traveller.	Order to be Confirmed by the Traveller
2	Order Confirmed by the Traveller.	Parcel to be picked up by the Traveller
3	Parcel picked up by the Traveller	Parcel pickup to be confirmed by the customer
4	Parcel pickup confirmed by the Customer	Parcel to be delivered by the Traveller
5	Parcel Delivered by the Traveller	Delivery to be confirmed by the Customer
6	Delivery Confirmed by the customer	Delivered

(Customer)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

(Traveller)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status



**(Customer)**

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

**(Traveller)**

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

**(Customer)**

Status: Parcel picked up by the Traveller.

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

**(Traveller)**

Status: Parcel picked up by the Traveller.

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

**(Customer)**

Status: Parcel pickup confirmed by the Customer

Action to be taken: Parcel to be delivered by the Traveller

Update Status

**(Traveller)**

Status: Parcel pickup confirmed by the Customer

Action to be taken: Parcel to be delivered by the Traveller

Update Status

**(Customer)**

Status: Parcel Delivered by the Traveller

Action to be taken: Delivery to be confirmed by the Customer

Update Status

**(Traveller)**

Status: Parcel Delivered by the Traveller

Action to be taken: Delivery to be confirmed by the Customer

Update Status

**(Customer)**

Status: Delivery Confirmed by the customer

Action to be taken: Delivered

Update Status

**(Traveller)**

Status: Delivery Confirmed by the customer

Action to be taken: Delivered

Update Status

### Logout :

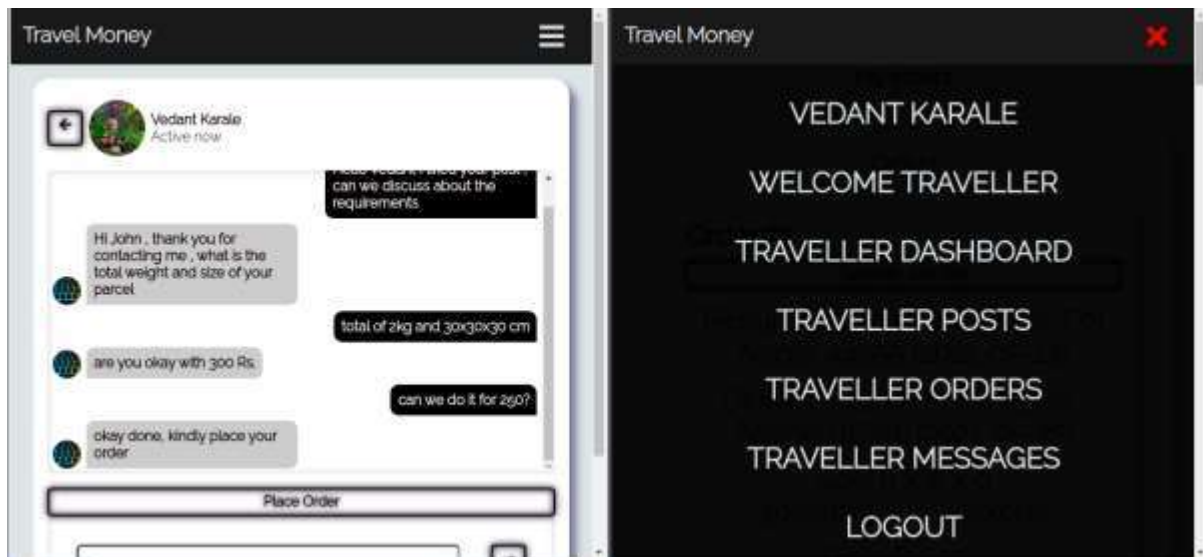
status of traveller in customer messages shows inactive

### Customer message:

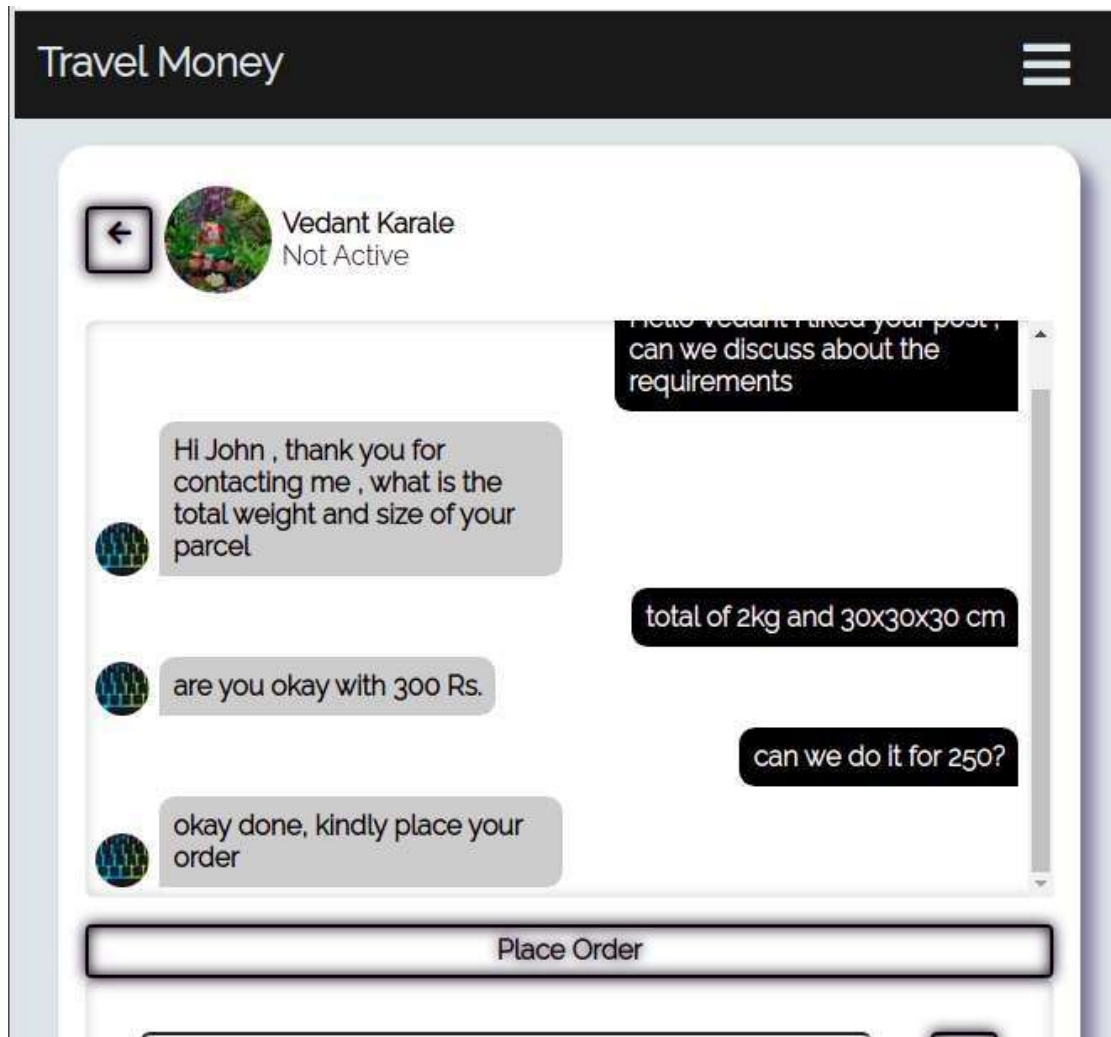
chat box with traveller before traveller logs out

(Customer)

(Traveller)



**After traveller logs out:**  
**(Customer)**



## 2. Customer :

Signup with profile image , email, password,type (unique id generated while signup)

Travel Money

### Signup

First Name: John

Last Name: Doe

Email Address: john@gmail.com

Password: [Masked]

Select Profile Image: [Choose file] [Preview: 1462x1000px]

Attach Card: [Choose file] [PDF Icon]

Traveller or Customer?: Customer

Signup

Already have an account? [Login here](#)

Made by Neel Choksi sgBCE0990 : Vedant Karale sgBCE2050

## Login :

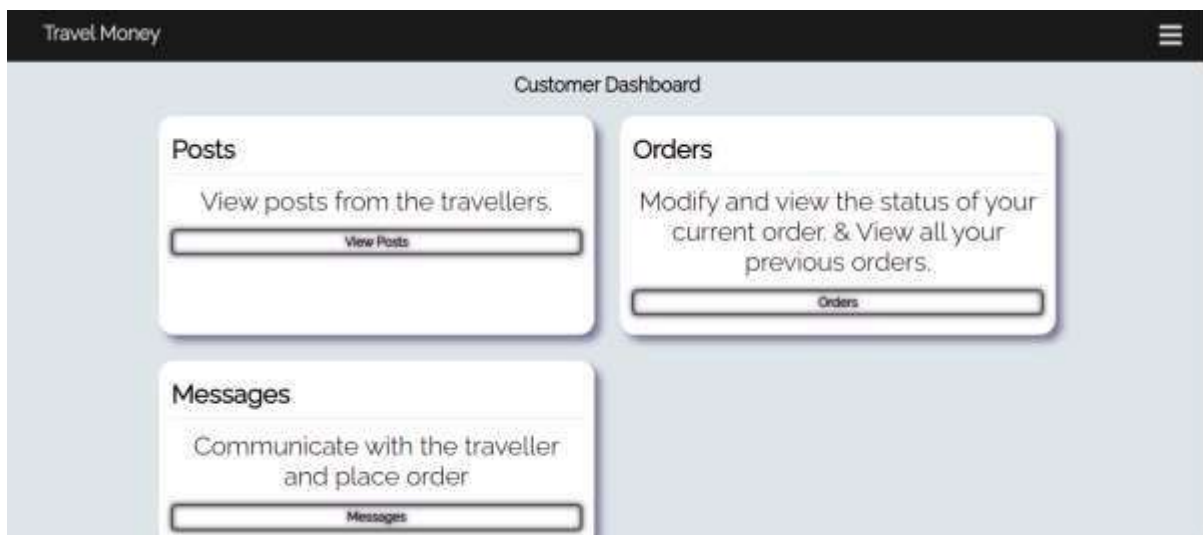
using the email and password and type=customer



The screenshot shows the 'Travel Money' website's login interface. At the top, there is a black header with the 'Travel Money' logo on the left and a hamburger menu icon on the right. The main content area has a light blue background. In the center, there is a white login box with a shadow. Inside the box, the title 'Login' is at the top left. Below it, there are two input fields: 'Email Address' with the value 'john@gmail.com' and 'Password' with a masked value '....'. Below these fields is a dropdown menu labeled 'Traveller or Customer?' with 'Customer' selected. A large 'Login' button is positioned below the dropdown. At the bottom of the box, there is a link that says 'Don't have an account? Register here'. Below the login box, there is a small line of text: 'Made by Neel Choksi 1jBCE0ggo · Vedant Karate 1jBCE20jo'.

## Customer Dashboard:

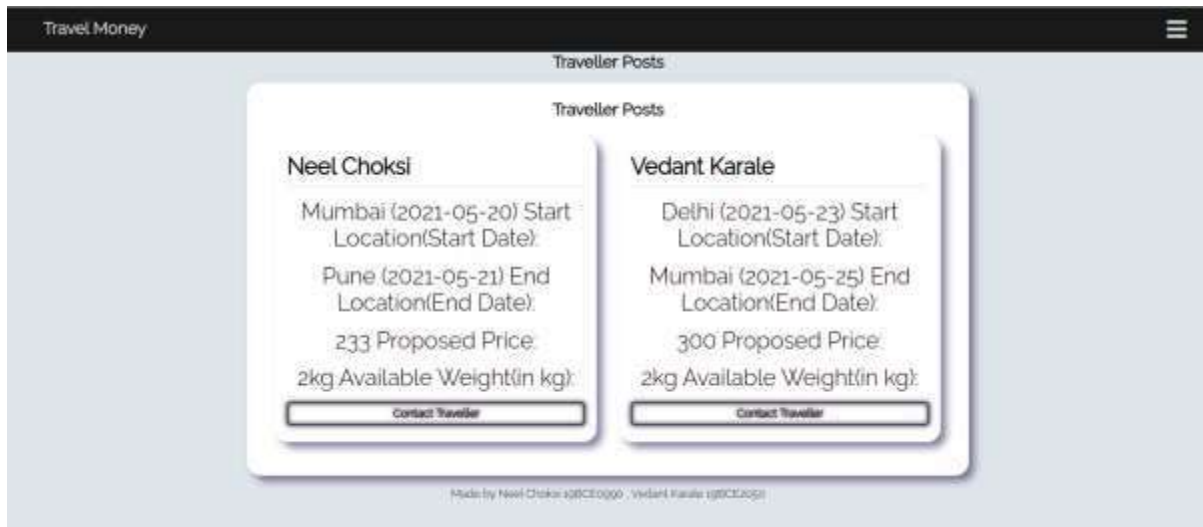
(View Posts,Orders,Messages)



The screenshot shows the 'Travel Money' website's customer dashboard. At the top, there is a black header with the 'Travel Money' logo on the left and a hamburger menu icon on the right. The main content area has a light blue background. In the center, there is a white dashboard box with a shadow. The title 'Customer Dashboard' is at the top center of the box. Below the title, there are three sections: 'Posts', 'Orders', and 'Messages'. Each section has a description and a button. The 'Posts' section says 'View posts from the travellers.' and has a 'View Posts' button. The 'Orders' section says 'Modify and view the status of your current order. & View all your previous orders.' and has an 'Orders' button. The 'Messages' section says 'Communicate with the traveller and place order' and has a 'Messages' button.

### View posts by the traveller :

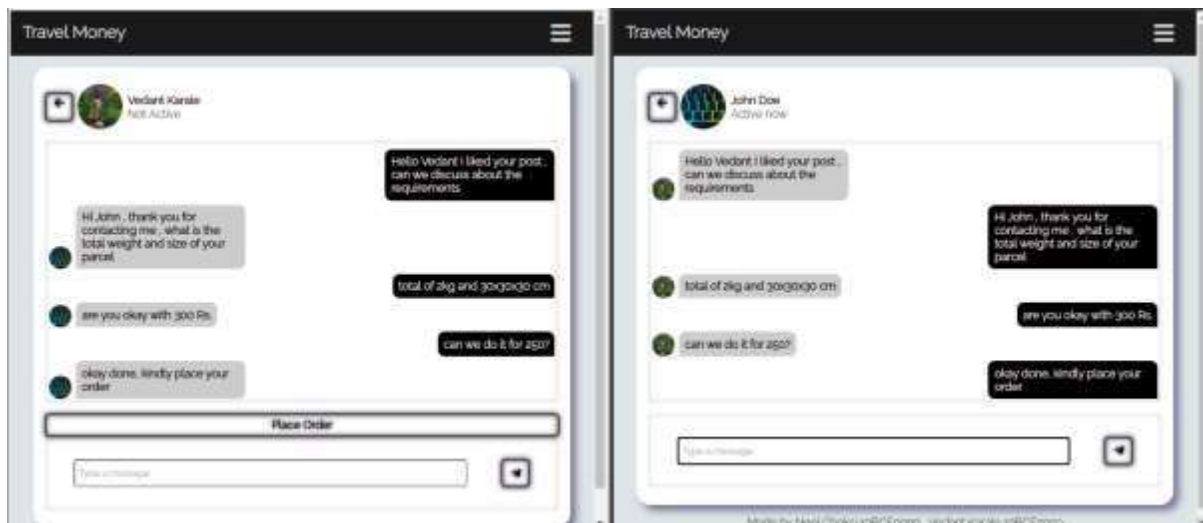
(start date, end date , start location, end location,proposed price,available weight).



Customer Clicks on Contact Traveller to reach to the chat box of that traveller, have a chat then clicks place order

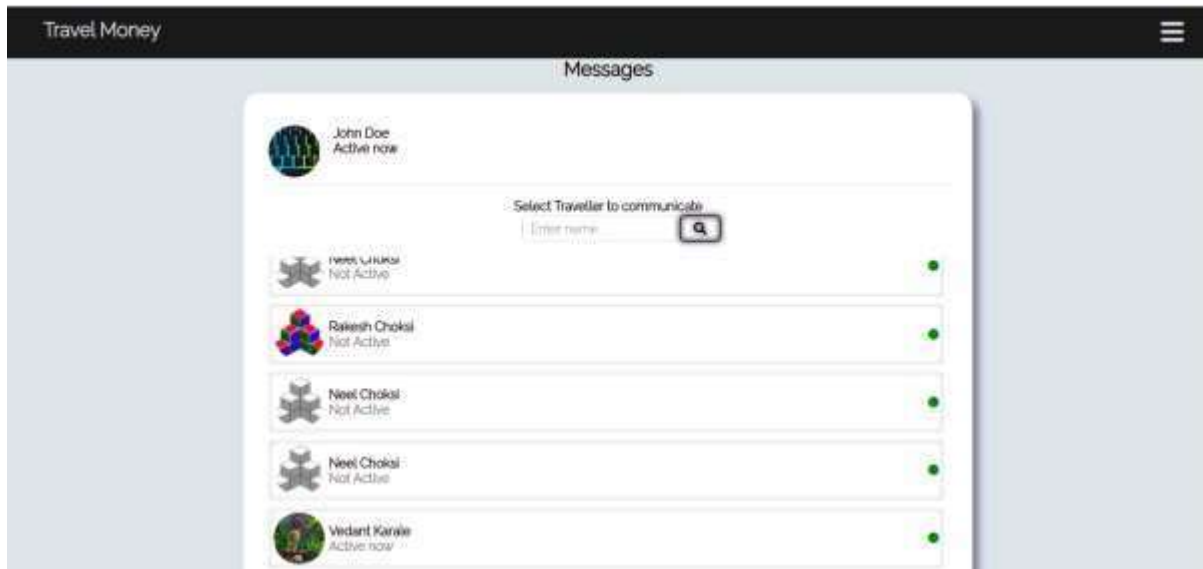
### Message:

Chat box for the traveller and customer where they can discuss their requirements



### View Travellers:

To contact again: Customer clicks on the messages button in the dashboard and sees the users available.



### Place Order:

while chatting with the traveller(select post of the traveller and fill requirements)

Travel Money

### Add Order

Select the Post of Traveller 

Delhi (2021-05-23) Mumbai (2021-05-25) 300.2kg

Pickup Address

345 ,Rise and Shine, DN Nagar, 44955

Delivery Address

845, GPM Tellii galli , Andheri (East)

Pickup Date

23/05/2021

Delivery Date

26/05/2021

Fragile/Not 

Fragile

Proposed Price

250

Parcel Weight in kg

30

Parcel Height(in cm)

30

Parcel Width(in cm)

30

Parcel Depth(in cm)

30

Place Order

### View orders :

order\_details: price, locations, dates,dimensions of parcel

Travel Money

My orders

Orders

Order#7

Traveller: Vedant Karale

Pickup: 345 .Rise and Shine, DN Nagar, 44955  
(2021-05-23)

Deliver: 845, GPM Tellii galli , Andheri (East)  
(2021-05-25)

Size: h x w x d 30(cm)x30(cm)x30(cm)

Price:Rs. 250

Weight(in kg): 30

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

### Modify order status:

modify status of order to confirm when parcel is picked up by traveller, parcel is delivered by the traveller.

id	state	action
1	Order Placed by Customer,to be confirmed by the Traveller.	Order to be Confirmed by the Traveller
2	Order Confirmed by the Traveller.	Parcel to be picked up by the Traveller
3	Parcel picked up by the Traveller	Parcel pickup to be confirmed by the customer
4	Parcel pickup confirmed by the Customer	Parcel to be delivered by the Traveller
5	Parcel Delivered by the Traveller	Delivery to be confirmed by the Customer
6	Delivery Confirmed by the customer	Delivered

#### (Customer)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

#### (Traveller)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status



**(Customer)**

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

**(Traveller)**

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

**(Customer)**

Status: Parcel picked up by the Traveller

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

**(Traveller)**

Status: Parcel picked up by the Traveller

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

**(Customer)**

Status: Parcel pickup confirmed by the Customer

Action to be taken: Parcel to be delivered by the Traveller

Update Status

**(Traveller)**

Status: Parcel pickup confirmed by the Customer

Action to be taken: Parcel to be delivered by the Traveller

Update Status

**(Customer)**

Status: Parcel Delivered by the Traveller

Action to be taken: Delivery to be confirmed by the Customer

Update Status

**(Traveller)**

Status: Parcel Delivered by the Traveller

Action to be taken: Delivery to be confirmed by the Customer

Update Status

**(Customer)**

Status: Delivery Confirmed by the customer

Action to be taken: Delivered

Update Status

**(Traveller)**

Status: Delivery Confirmed by the customer

Action to be taken: Delivered

Update Status

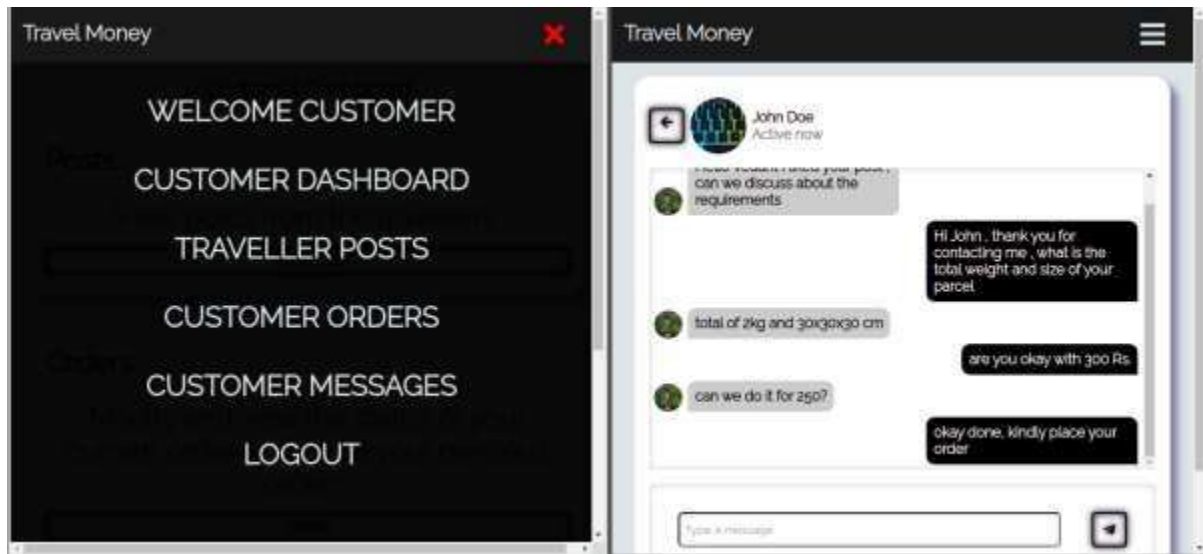
## Logout :

status of customer in traveller messages shows inactive

**Before Customer logs out:**

**(Customer)**

**(Traveller)**



**After customer logs out:**

**(Traveller)**



John Doe  
Not Active



Hi! I saw your post,  
can we discuss about the  
requirements

Hi John , thank you for  
contacting me , what is the  
total weight and size of your  
parcel



total of 2kg and 30x30x30 cm

are you okay with 300 Rs.



can we do it for 250?

okay done, kindly place your  
order

Type a message



### 4.3. Detailed Design (ER Diagram/UML Diagram/Mathematical Modeling)

#### 4.3.1. ER Diagram

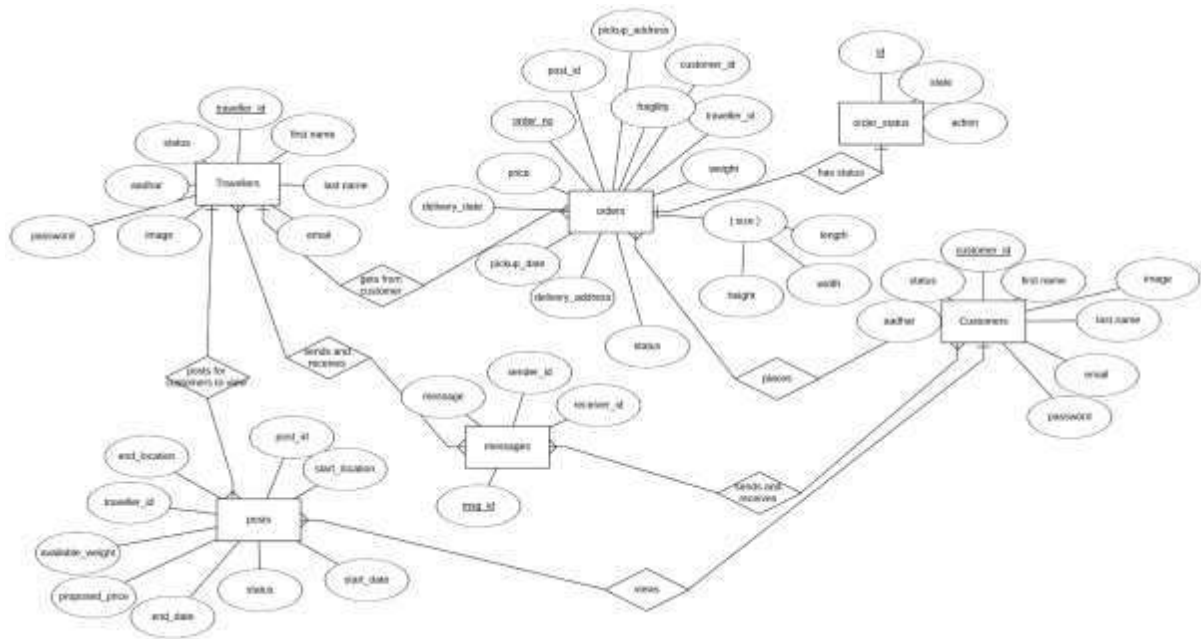


Fig. 3

#### 4.3.2. UML diagram (Use case, class, Statechart, Activity and interaction diagrams)

##### Use Case

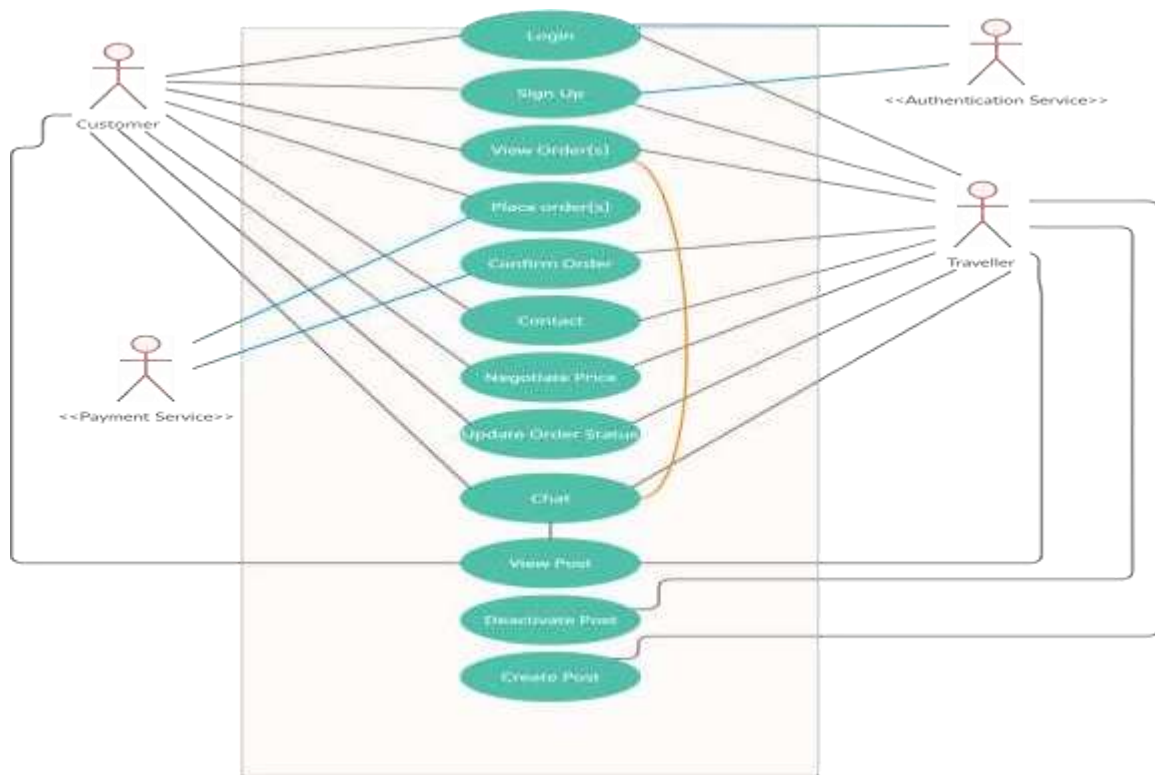


Fig. 4

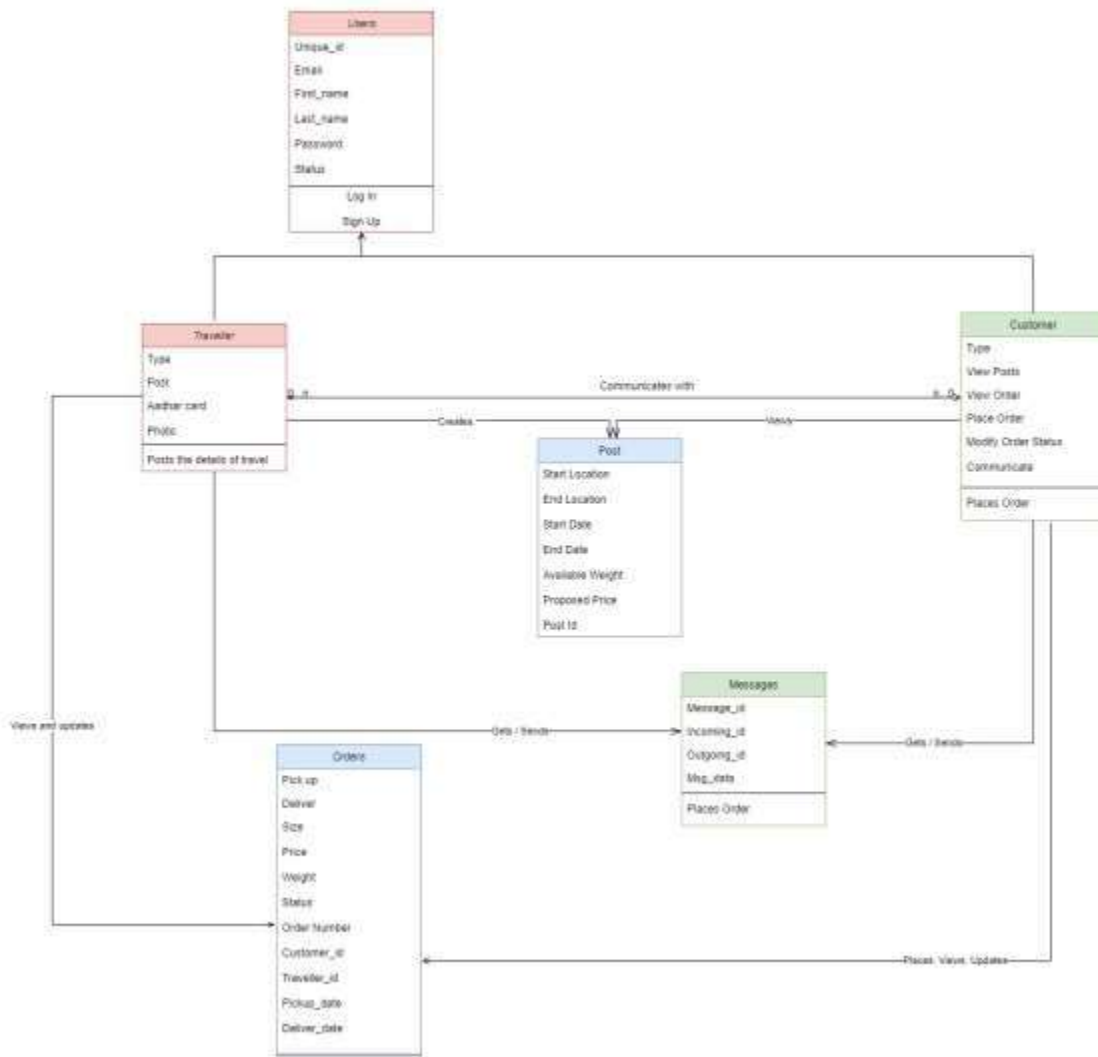
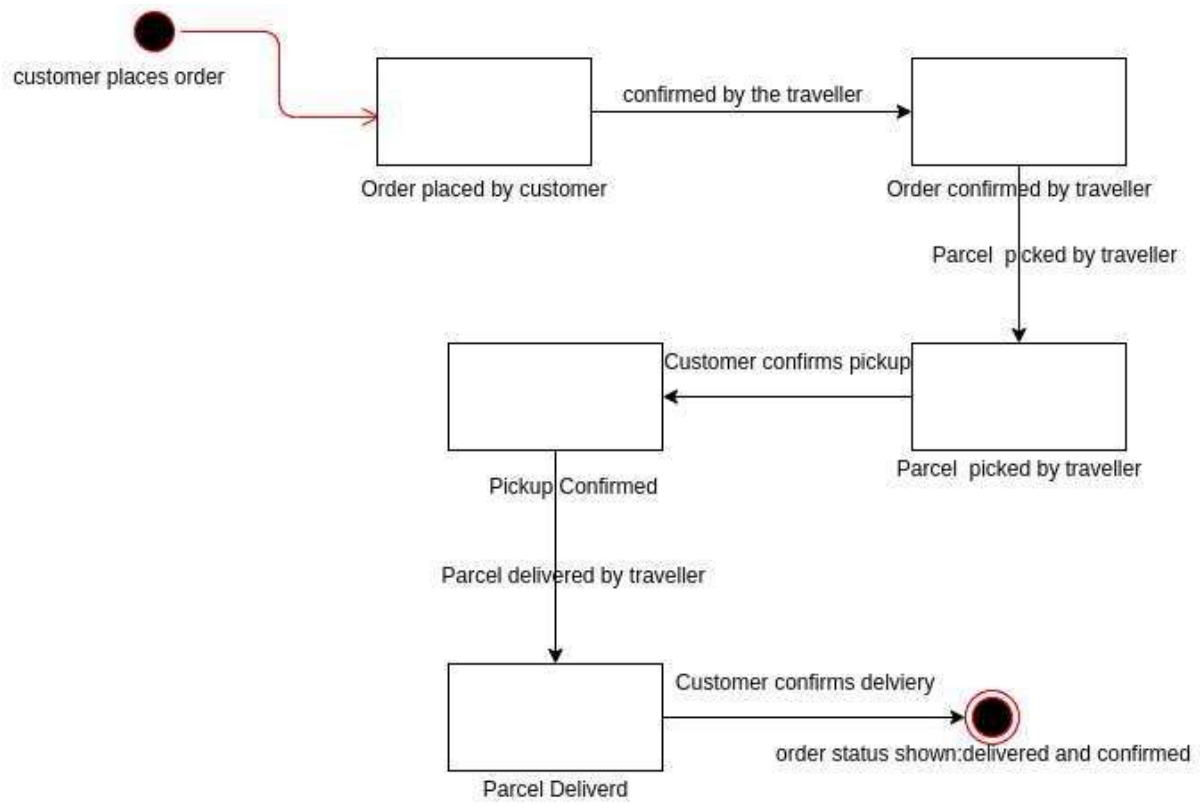
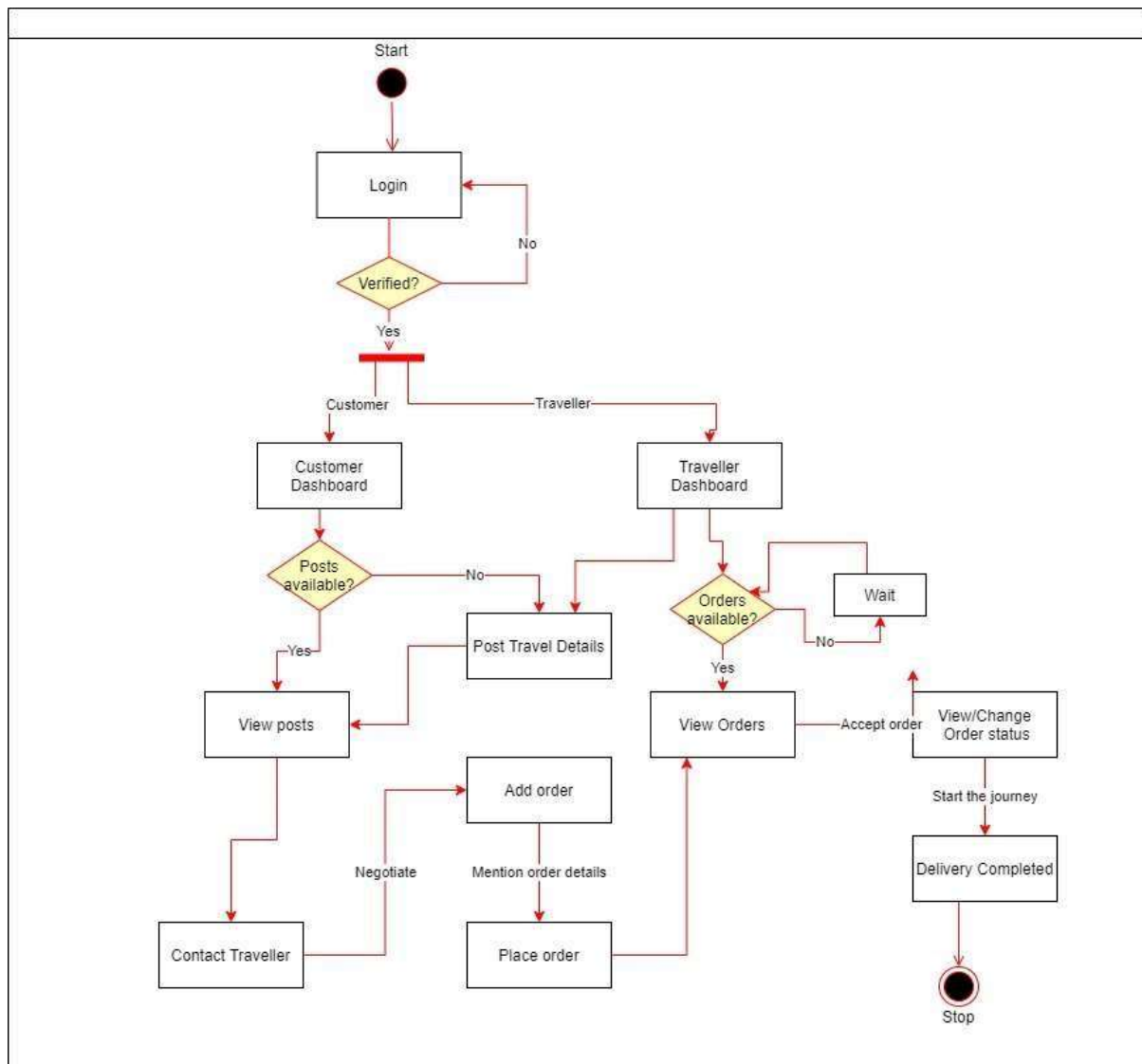


Fig. 5 UML Class



State Chart for Order functionality



Activity Diagram



## 5. Implementation and Testing (Snap shots with description)

### 5.1. Implementation details (snapshots)

GitHub Link for the Code: <https://github.com/NeelChoksi/travel-money-final>

#### 1.Traveller :

##### Signup :

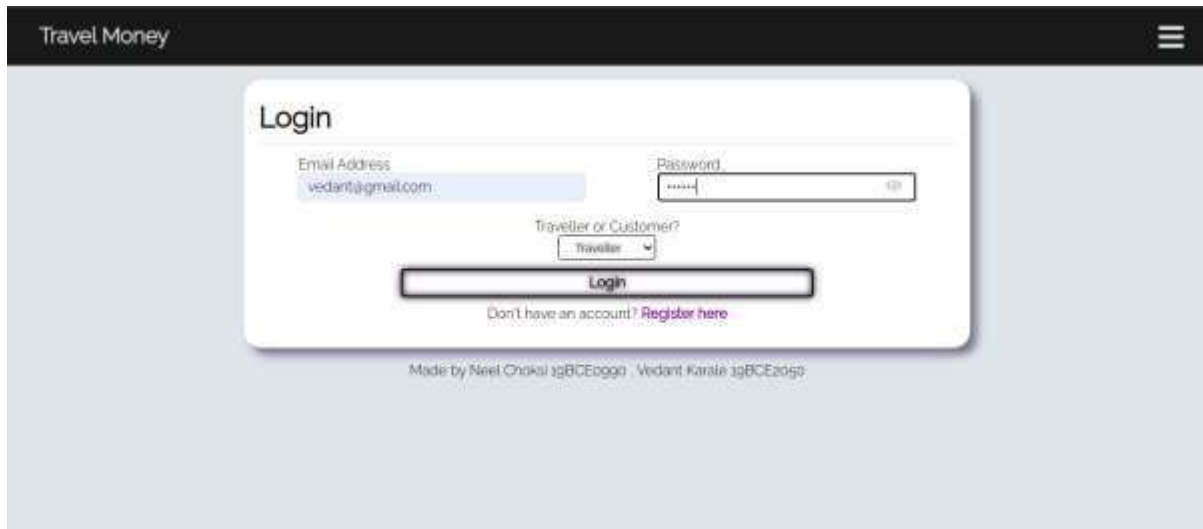
With profile image , email, password,type (unique id generated while signup)



The screenshot shows the 'Signup' form on the 'Travel Money' website. The form is titled 'Signup' and contains the following fields: 'First Name' (filled with 'Vedant'), 'Last Name' (filled with 'Karale'), 'Email Address' (filled with 'vedant@gmail.com'), 'Password' (masked with dots), 'Select Profile Image' (with a 'Choose file' button and a preview of 'IMG\_2020080210g-preview.jpg'), and 'Aadhar Card' (with a 'Choose file' button and a preview of '158108013.pdf'). Below these fields is a dropdown menu for 'Traveller or Customer?' with 'Traveller' selected. A large 'Signup' button is at the bottom, followed by a link 'Already have an account? Login here'. At the very bottom, it says 'Made by Neel Choksi 19BCE0990 , Vedant Karale 19BCE2050'.

##### Login :

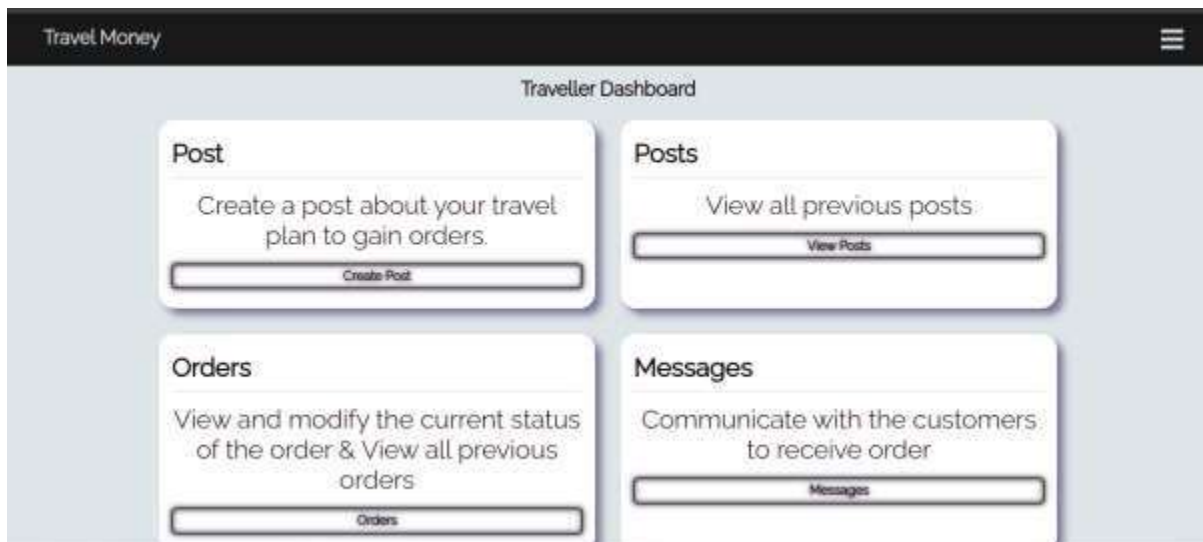
Using the email and password and type=traveller



The screenshot shows the 'Login' form on the 'Travel Money' website. The form is titled 'Login' and contains the following fields: 'Email Address' (filled with 'vedant@gmail.com') and 'Password' (masked with dots). Below these fields is a dropdown menu for 'Traveller or Customer?' with 'Traveller' selected. A large 'Login' button is at the bottom, followed by a link 'Don't have an account? Register here'. At the very bottom, it says 'Made by Neel Choksi 19BCE0990 , Vedant Karale 19BCE2050'.

##### Traveller Dashboard :

Create Post, View Posts,Orders, Messages



### Create Post:

Using start\_location, end\_location, proposed price, start\_date, end\_date, available weight.

The 'Add Post' form contains the following fields and values:

- Start Location/City/Town: Delhi
- End Location/City/Town: Mumbai
- Start Date: 23/05/2021
- End Date: 25/05/2021
- Available weight in kg: 2
- Proposed Price in Rs: 300

A 'Create Post' button is at the bottom. A footer note reads: 'Made by Neel Chokla: 18BCE0990, Vedant Karale: 18BCE2058'.

### View Posts :

start\_location, end\_location, proposed price, start\_date, end\_date, available weight



### Deactivate Post :

post\_status = Inactive . post cannot be seen by the customer

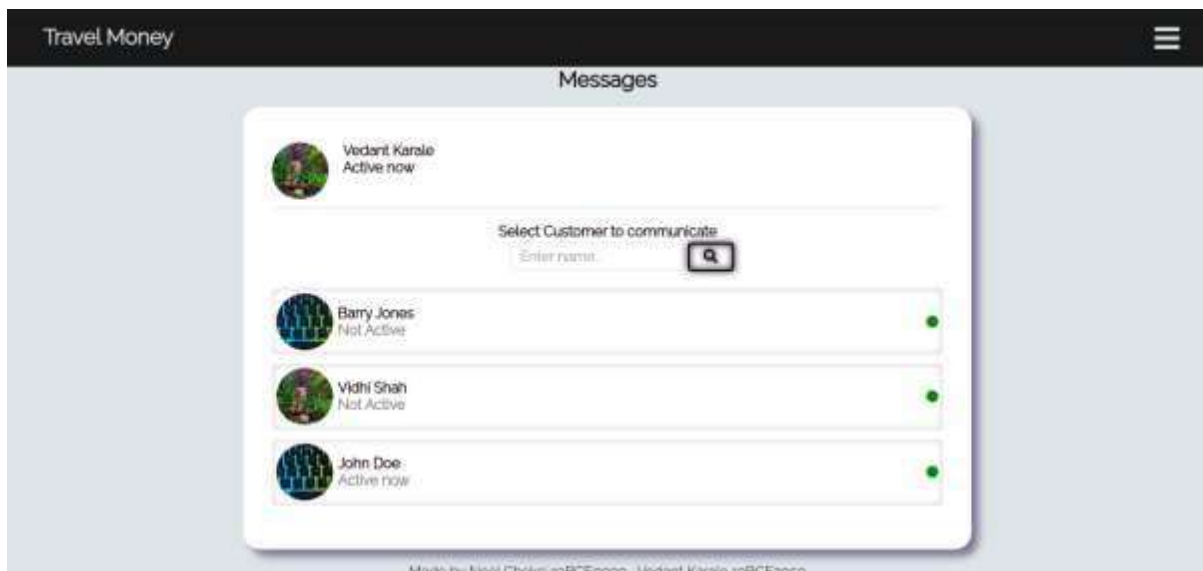


### View Customers to chat with:

Traveller clicks on Messages from the dashboard to check for client messages:

(Customer View)

(Traveller View)

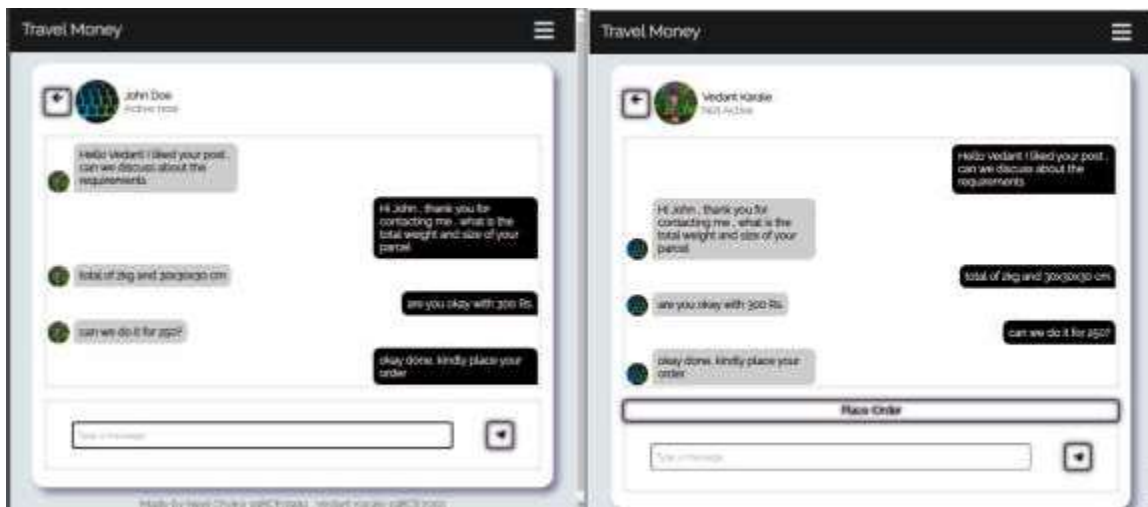


### Message:

Chat box for the traveller and customer where they can discuss their requirements.

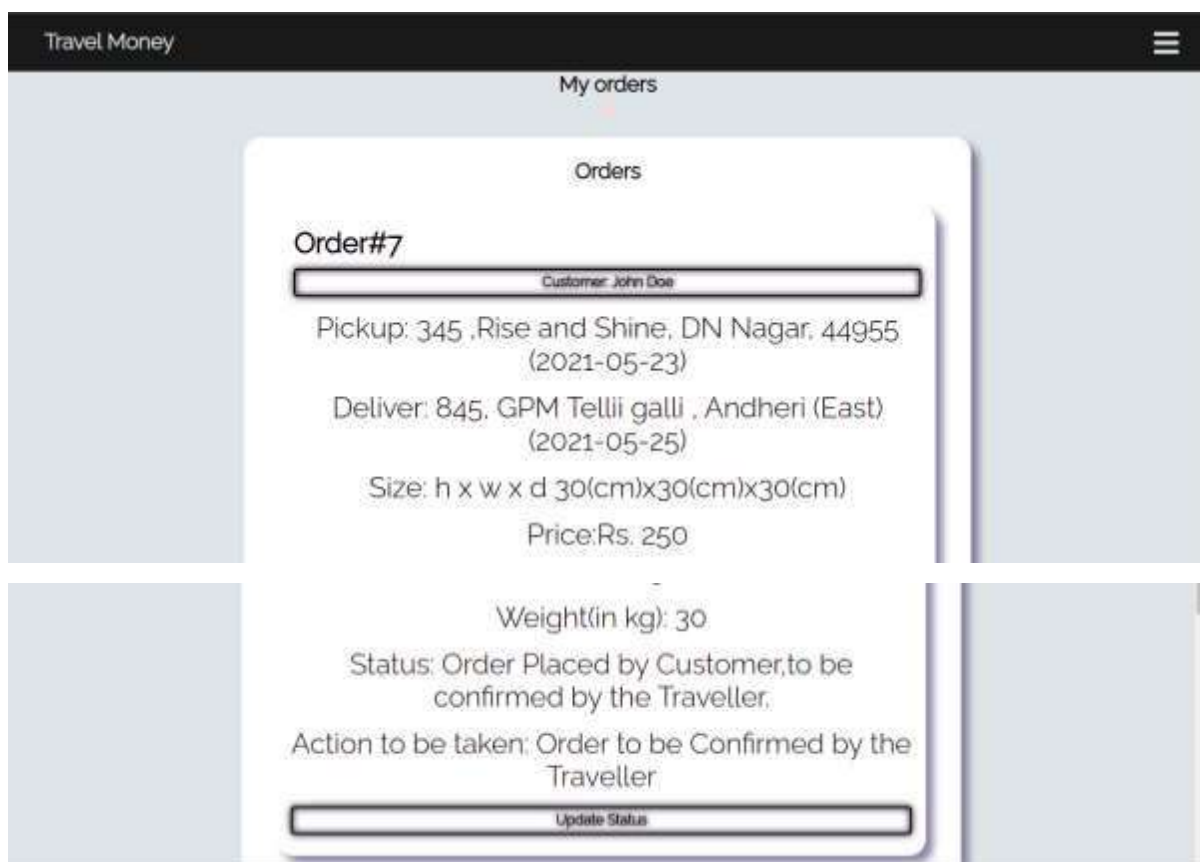
(Traveller View)

(Customer View)



### View orders :

(order\_details: price, locations, dates,dimensions of parcel)



### Modify order status:

modify status of order when order is placed, parcel to be picked up and parcel to be delivered.

id	state	action
1	Order Placed by Customer,to be confirmed by the Traveller.	Order to be Confirmed by the Traveller
2	Order Confirmed by the Traveller.	Parcel to be picked up by the Traveller
3	Parcel picked up by the Traveller	Parcel pickup to be confirmed by the customer
4	Parcel pickup confirmed by the Customer	Parcel to be delivered by the Traveller
5	Parcel Delivered by the Traveller	Delivery to be confirmed by the Customer
6	Delivery Confirmed by the customer	Delivered

(Customer)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

(Traveller)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

(Customer)

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

(Traveller)

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

(Customer)

Status: Parcel picked up by the Traveller

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

(Traveller)

Status: Parcel picked up by the Traveller

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

(Customer)

(Traveller)

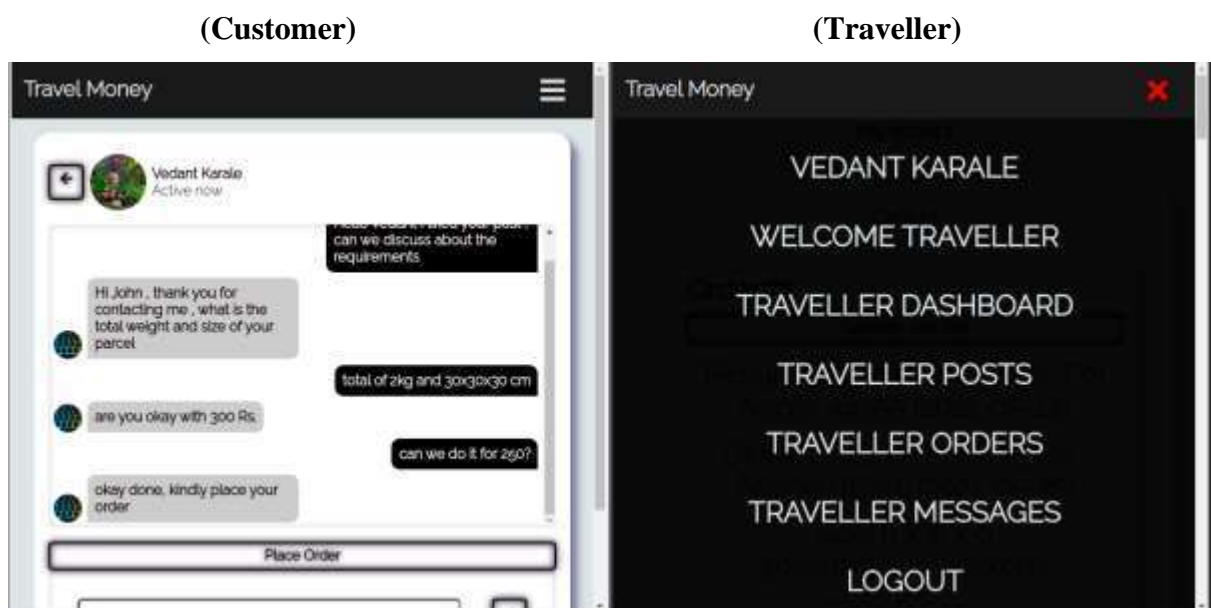


### Logout :

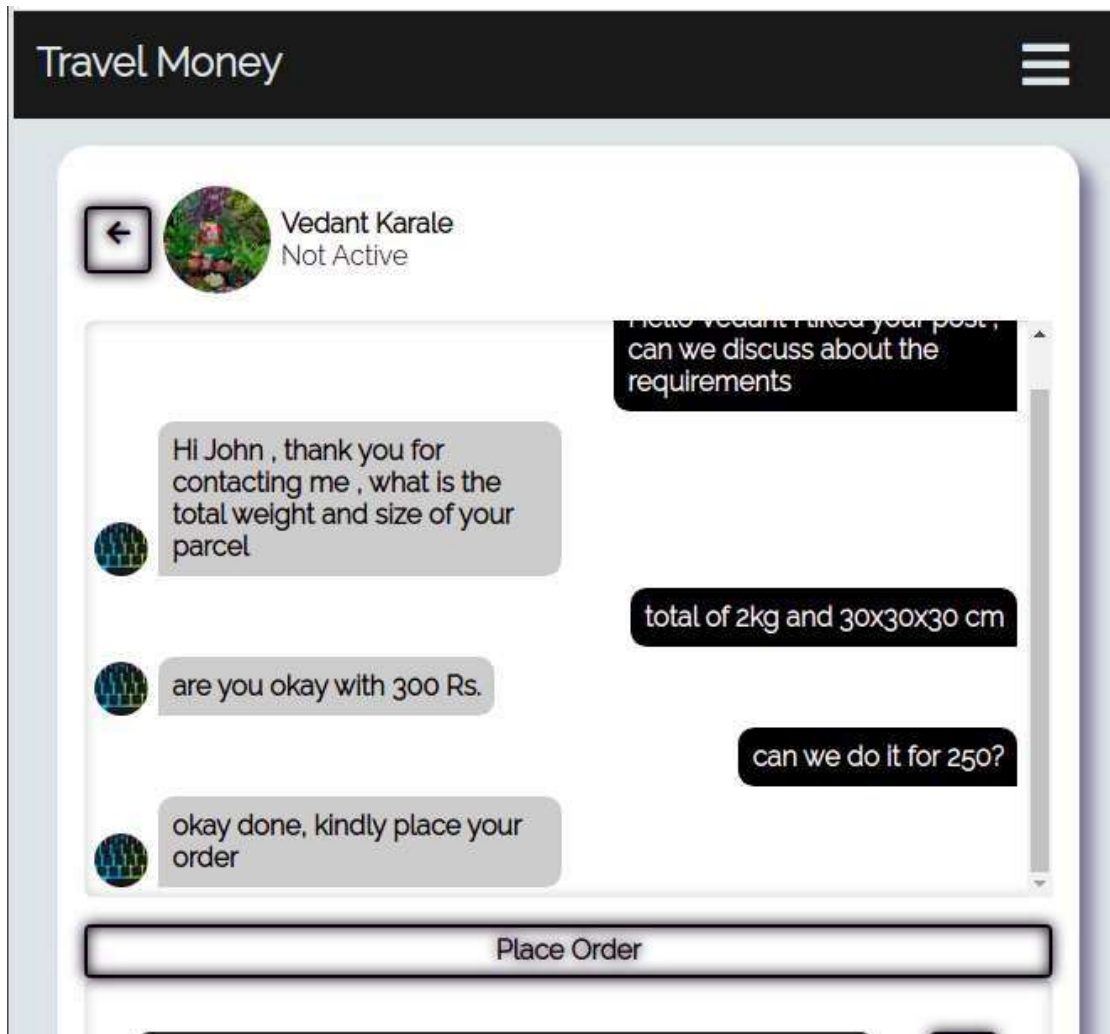
status of traveller in customer messages shows inactive

### Customer message:

chat box with traveller before traveller logs out



**After traveller logs out:**  
**(Customer)**



## 2. Customer :

Signup with profile image , email, password,type (unique id generated while signup)

Travel Money

### Signup

First Name: john

Last Name: Doe

Email Address: john@gmail.com

Password: [masked]

Select Profile Image: [Choose file] [Preview: 1461\_250092828g-profile.png]

Attach Card: [Choose file] [Preview: 146208183.pdf]

Traveller or Customer?: Customer

Signup

Already have an account? [Login here](#)

Made by Neel Choksi sgBCE0990, Vedant Karale sgBCE2050

### Login :

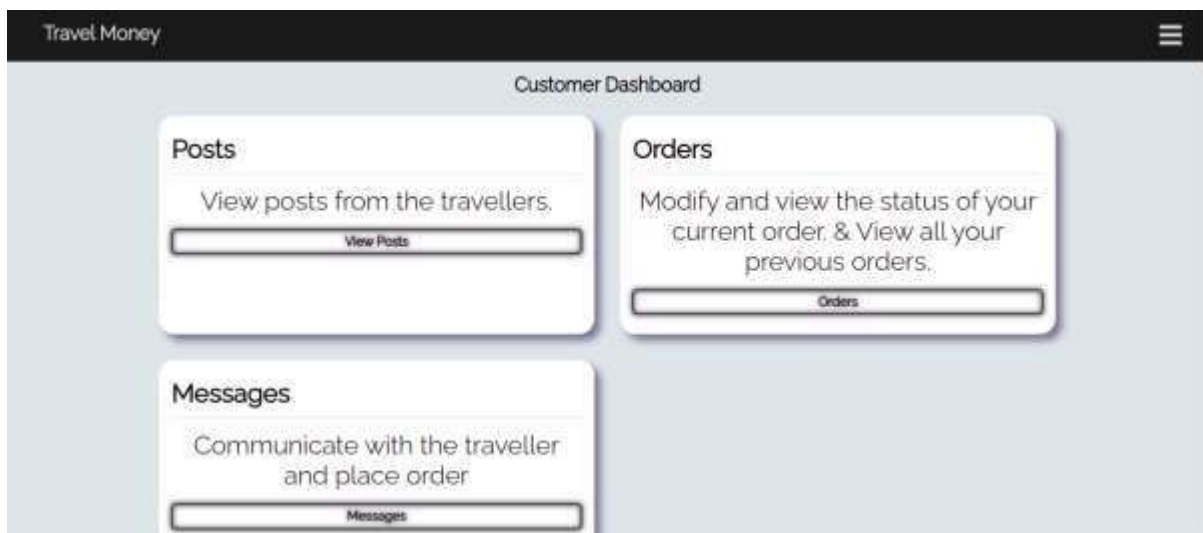
using the email and password and type=customer



The screenshot shows the 'Travel Money' website's login interface. It features a dark header with the site name and a hamburger menu. The main content area has a light blue background with a white login box. Inside the box, there are input fields for 'Email Address' (containing 'john@gmail.com') and 'Password' (with a toggle for visibility). Below these is a dropdown menu labeled 'Traveller or Customer?' with 'Customer' selected. A 'Login' button is positioned below the dropdown. At the bottom of the box, there is a link that says 'Don't have an account? Register here'. A footer note at the very bottom of the page reads 'Made by Neel Choksi 1jBCE0ggo · Vedant Karate 1jBCE20j0'.

### Customer Dashboard:

(View Posts,Orders,Messages)

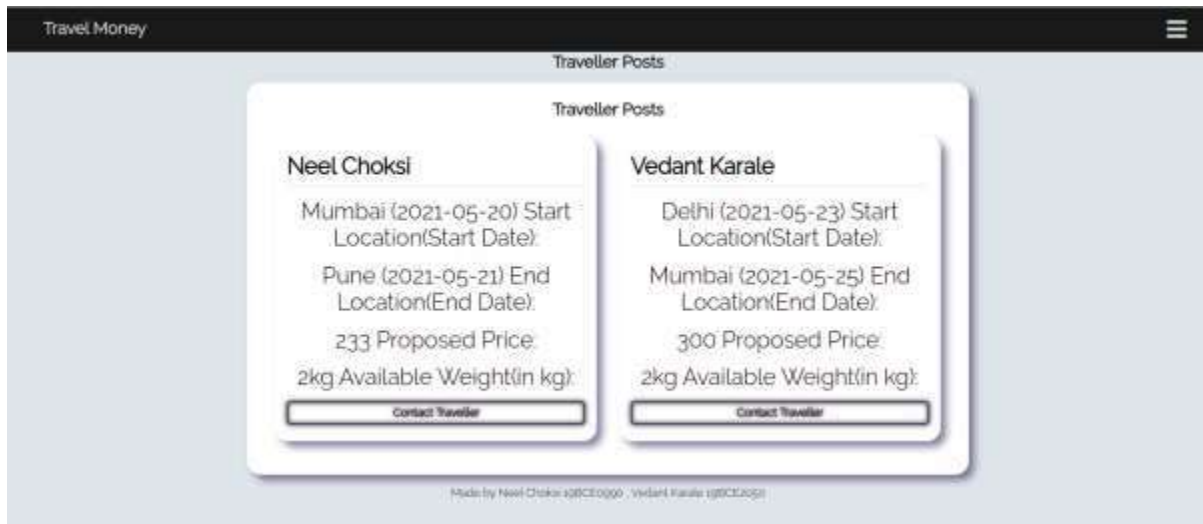


The screenshot displays the 'Travel Money' Customer Dashboard. The header is dark with the site name and a hamburger menu. The main area has a light blue background and is titled 'Customer Dashboard'. It contains three white cards: 'Posts' with the text 'View posts from the travellers.' and a 'View Posts' button; 'Orders' with the text 'Modify and view the status of your current order. & View all your previous orders.' and an 'Orders' button; and 'Messages' with the text 'Communicate with the traveller and place order' and a 'Messages' button.

### View posts by the traveller :

(start date, end date , start location, end location,proposed price,available weight).

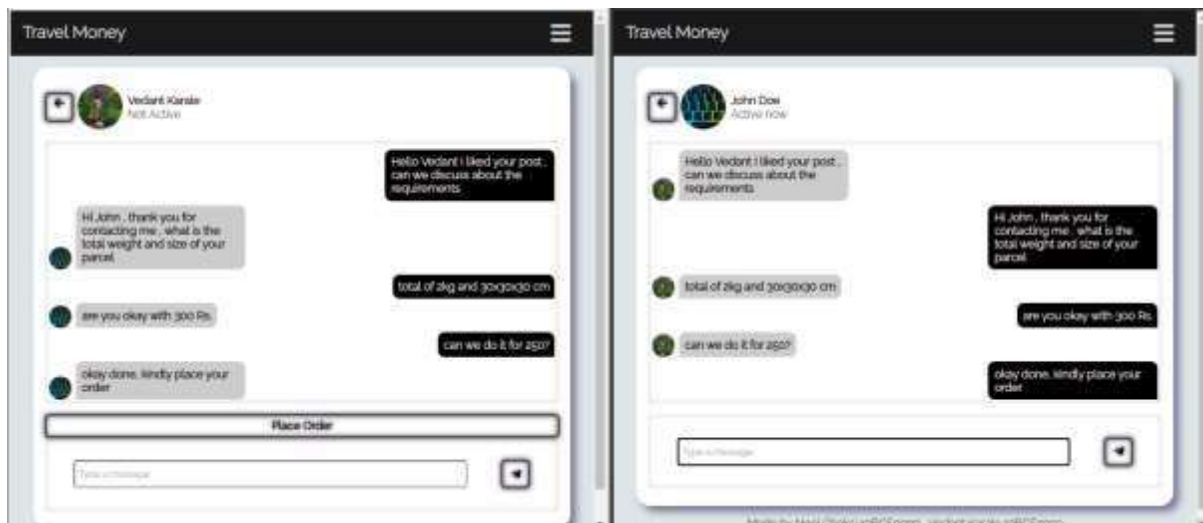




Customer Clicks on Contact Traveller to reach to the chat box of that traveller, have a chat then clicks place order

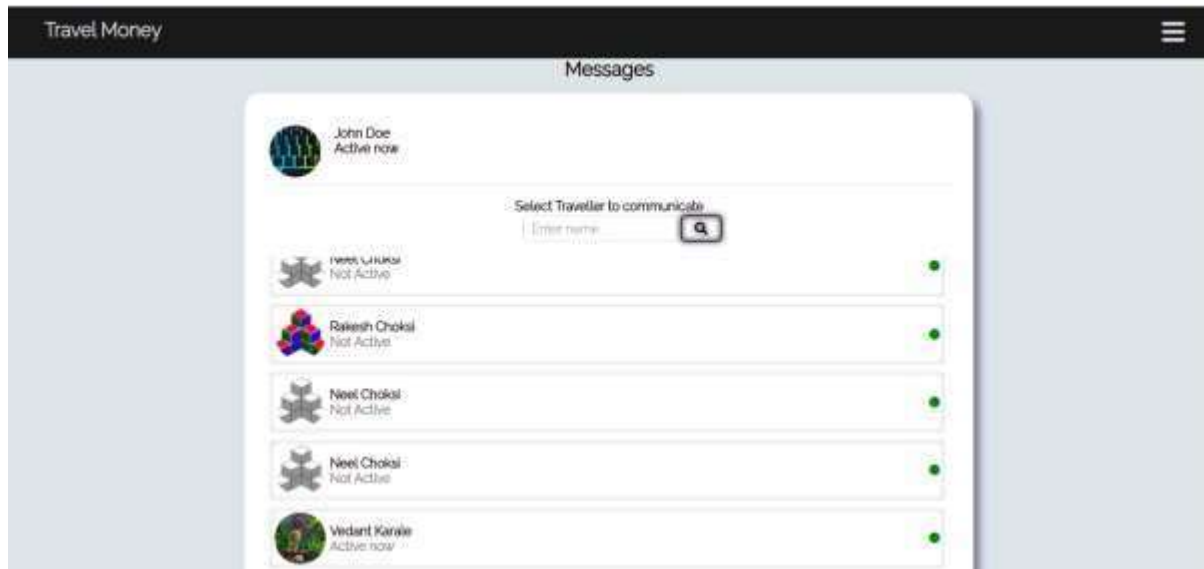
### Message:

Chat box for the traveller and customer where they can discuss their requirements



### View Travellers:

To contact again: Customer clicks on the messages button in the dashboard and sees the users available.



### Place Order:

while chatting with the traveller(select post of the traveller and fill requirements)

Travel Money

### Add Order

Select the Post of Traveller

Delhi (2021-05-23) Mumbai (2021-05-25) 300.2kg

Pickup Address

345 ,Rise and Shine, DN Nagar, 44955

Delivery Address

845, GPM Tellii galli , Andheri (East)

Pickup Date

23/05/2021

Delivery Date

26/05/2021

Fragile/Not

Fragile

Proposed Price

250

Parcel Weight in kg

30

Parcel Height(in cm)

30

Parcel Width(in cm)

30

Parcel Depth(in cm)

30

Place Order

### View orders :

order\_details: price, locations, dates,dimensions of parcel

Travel Money

My orders

Orders

Order#7

Traveller: Vedant Karale

Pickup: 345 ,Rise and Shine, DN Nagar. 44955  
(2021-05-23)

Deliver: 845, GPM Tellii galli , Andheri (East)  
(2021-05-25)

Size: h x w x d 30(cm)x30(cm)x30(cm)

Price:Rs. 250

Weight(in kg): 30

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

### Modify order status:

modify status of order to confirm when parcel is picked up by traveller, parcel is delivered by the traveller.

id	state	action
1	Order Placed by Customer,to be confirmed by the Traveller.	Order to be Confirmed by the Traveller
2	Order Confirmed by the Traveller.	Parcel to be picked up by the Traveller
3	Parcel picked up by the Traveller	Parcel pickup to be confirmed by the customer
4	Parcel pickup confirmed by the Customer	Parcel to be delivered by the Traveller
5	Parcel Delivered by the Traveller	Delivery to be confirmed by the Customer
6	Delivery Confirmed by the customer	Delivered

#### (Customer)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

#### (Traveller)

Status: Order Placed by Customer,to be confirmed by the Traveller.

Action to be taken: Order to be Confirmed by the Traveller

Update Status

**(Customer)**

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

**(Traveller)**

Status: Order Confirmed by the Traveller.

Action to be taken: Parcel to be picked up by the Traveller

Update Status

**(Customer)**

Status: Parcel picked up by the Traveller

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

**(Traveller)**

Status: Parcel picked up by the Traveller

Action to be taken: Parcel pickup to be confirmed by the customer

Update Status

**(Customer)**

Status: Parcel pickup confirmed by the Customer

Action to be taken: Parcel to be delivered by the Traveller

Update Status

**(Traveller)**

Status: Parcel pickup confirmed by the Customer

Action to be taken: Parcel to be delivered by the Traveller

Update Status

**(Customer)**

Status: Parcel Delivered by the Traveller

Action to be taken: Delivery to be confirmed by the Customer

Update Status

**(Traveller)**

Status: Parcel Delivered by the Traveller

Action to be taken: Delivery to be confirmed by the Customer

Update Status

**(Customer)**

Status: Delivery Confirmed by the customer

Action to be taken: Delivered

Update Status

**(Traveller)**

Status: Delivery Confirmed by the customer

Action to be taken: Delivered

Update Status

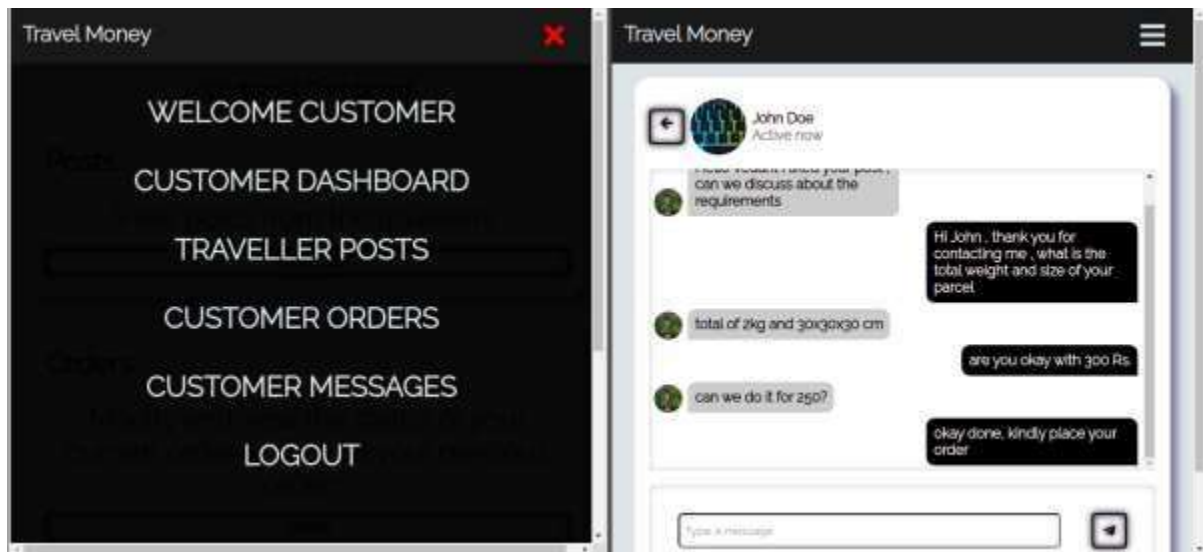
**Logout :**

status of customer in traveller messages shows inactive

**Before Customer logs out:**

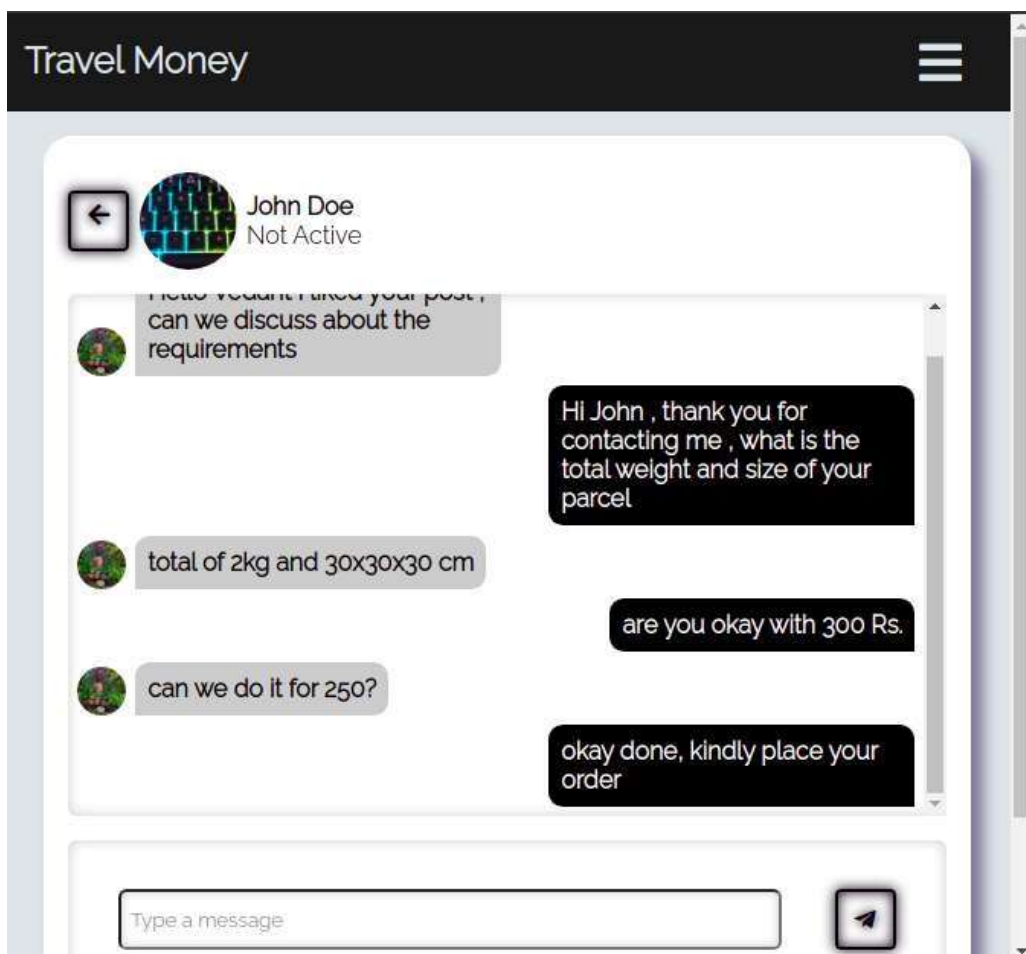
**(Customer)**

**(Traveller)**



**After customer logs out:**

**(Traveller)**



## 5.2. Testing

### 5.2.1. Types of Testing

The type of testing used is Unit Testing. Here every use case is tested by the team members using sample inputs to check if desired outputs are achieved.

### 5.2.2. Test Cases (for all modules as per the template)

#### Login and Signup

Travel Money	Project Name:	Travel-Money	Test Designed by:	Vedant					
	Module Name:	Travel Money Login Screen	Test Designed date:	18th May,2021					
	Release Version:	1.0.0.1	Test Executed by:	Vedant					
			Test Execution date:	18th May,2021					
Pre-condition		User has to have a valid Username and Password							
Dependencies:									
Test Priority		High							
Test Case#	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status (Pass/Fail)	Notes
1	Signup and Login	User Signup	Open Index page and click on register		User should be able to signup and login	user directed to the dashboard which displays the functionalities that can be performed	User could Signup as well as login	Pass	Test Successful
			Enter Username	Username =					
			Enter Password	Password: 123					
			Select Type	type: Traveller					
			Login						
2	Login	Check Login info entered by User	Open Index page		User should be able to login	user directed to the dashboard which displays the functionalities that can be performed	User could Login	Pass	Test Successful
			Enter Valid Username	Username =					
			Enter Valid Password	Password: 123					
			Select valid Type	type: Customer					

#### Posts for Traveller and Customer

Travel Money	Project Name:	Travel Money	Test Designed by:	Neel					
	Module Name:	Travel Money Posts	Test Designed date:	18th May , 2021					
	Release Version:	1.0.0.1	Test Executed by:	Neel					
			Test Execution date:	18th May, 2021					
Pre-condition		Traveller and the Customer should be logged into the system using their login credentials							
Dependencies:		The Login and Signup test case should be passed by the user.							
Test Priority		High							
Test Case#	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status	
POST_TRAV	Create Post	Creation of a Post to showcase the travel details of the traveller	Click on create post button on the dashboard		Post Created and visible to the Customer and traveller	Traveller directed to the View Posts section	Post Created and visible to the Customer and the traveller	Pass	
			Enter start location	Mumbai					
			Enter end Location	Pune					
			Enter Start Date	20/05/2021					
			Enter End Date	28/05/2021					
			Enter available weight	2kg					
			Enter Proposed Price	250					
POST_CUST	View Posts	View the Posts posted by the traveller to contact them.	Click on view posts button on the dashboard		Customer Can view all posts posted by different travellers	Customer directed to the page having posts by travellers	Customer Can view all posts posted by different travellers	Pass	

#### Messages for Traveller and Customer



Travel Money:	Project Name:	Travel Money	Test Designed by:	Neel				
	Module Name:	Travel Money Messages	Test Designed date:	18th May , 2021				
	Release Version:	1.0.0.1	Test Executed by:	Neel				
			Test Execution date:	18th May, 2021				
Pre-condition: Traveller and the Customer should be logged into the system using their login credentials and the Traveller should have created a post.								
Dependencies: The Login and Signup test case and the Posts test case should be passed by the user.								
Test Priority: High								
Test Case#	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
MESSAGE_CUST	Contact Traveller	Contacting the Traveller to discuss the requirements	Enter message in the chat section and click the send button to send it to the customer.		Traveller can view the message .	Customer can see his/her message in the messages area on the same page.	Traveller can view the message .	Pass
				I would like to deliver my parcel from Mumbai to Pune.				
MESSAGE_TRAV	Contact Customer	Contacting the Customer to discuss the requirements	Enter message in the chat section and click the send button to send it to the traveller.		Customer can view the message	Traveller can see his/her message in the messages area on the same page.	Customer can view the message.	Pass
				Are you okay with my rates and what will be total weight of your parcel?				

## Orders for Traveller and Customer

Travel Money	Project Name:	Travel Money	Test Designed by:	Neel				
	Module Name:	Travel Money Order	Test Designed date:	18th May , 2021				
	Release Version:	1.0.0.1	Test Executed by:	Neel				
			Test Execution date:	18th May, 2021				
Pre-condition	Traveller and the Customer should be logged into the system using their login credentials and the Traveller should have created a post and the traveller customer should have contacted the traveller.							
Dependencies:	The Login and Signup test case, the Posts test case and Messages test case should be passed by the user.							
Test Priority	High							
Test Case#	Test Title	Test Summary	Test Steps	Test Data	Expected Result	Post-condition	Actual Result	Status
ORDER_CUST	Create View and Update Order	Place order and provide requirements while chatting or after chatting with the traveller.	Click on Place Order button below message area while chatting with the traveller.		Traveller can view the order.	Customer can see the order live in the current orders in the dashboard.	Traveller can view the order.	Pass
			Enter Pickup address	38 Post Office Lane, Dr Ambedkar Road, Panel Mumbai Maharashtra. 400012.				
			Enter Delivery address	Sanghvi Nagar, Auradh,Pune. Maharashtra.411007				
			Enter Pickup date	20/05/2021				
			Enter fragile/normal	fragile				
			Enter parcel width,height, length in cm	30x30x30				
			Enter parcel weight in kg	2				
			Enter Price	250				
			Enter Receiver phone no	9657533324				
ORDER_TRAV	View and Update Order	View the order placed by the customer.	Click on view current order in the dashboard.		Traveller can view the order placed by the customer.	Traveller can click on deliver button after delivering the order.	Traveller can view the order placed by the customer.	Pass



## **6. Conclusion, Limitations and Scope for future Work**

The traveller and Customer functionalities are implemented. The traveller can register, login into the system and can create a post about his/her travel schedule and make it inactive. All the active posts made by the traveller can be viewed by different customers. The customers

The person carrying the package will be tracked and the location will be sent to the receiver and the sender at certain time intervals.

The time duration of the intervals will be decided by the traveller beforehand.

The person carrying the package will have to agree to give location access before registering as a traveller.

The time duration of the interval will be shown to the receiver during the placement of the order. The sender and receiver should agree to the terms of the traveller before placement of the order.

An agreement will be signed by the user and the traveller while registering the app. It will state that on the loss of the parcel or on late delivery by the traveller except for genuine reasons such as delay in flights or trains , the cost paid by the user will be returned to him/her and the traveller will be charged with a penalty fee.

Search functionality for the users to search other users to chat with.

Display of users based on the posts(posted by travellers) clicked by the customer.

Password validation for the user signup page.

## 7. References

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- [6] SRS Document for Review1: Github link: <https://github.com/NeelChoksi/travel-money-final/blob/main/Review%201.pdf>