

# LOGISTICS APPLICATION

## Description

The term 'Logistics' refers to the commercial activity of the transportation of goods i.e., transportation of goods from one place to the other. In the application we try to ease the process of Logistics. Here, we collect the details from the sender to know the destination of the receiver of the product and we also update the information as required by the receiver for their ease, to reduce the misconception of the address to require the package from the sender. This app works with the tie-ups provided by the Logistics service providers, for the transportation where we ensure the accurate precision for the delivery of the packages.

## UI-side

Ionic framework (v6.9.1) is used in the process of enabling the client-side workflow in the application. It also provides the ability to manage the front-end of the application.

Angular Js (v9.1.8) is used to enable the client-side scripting which is embedded in the ionic framework.

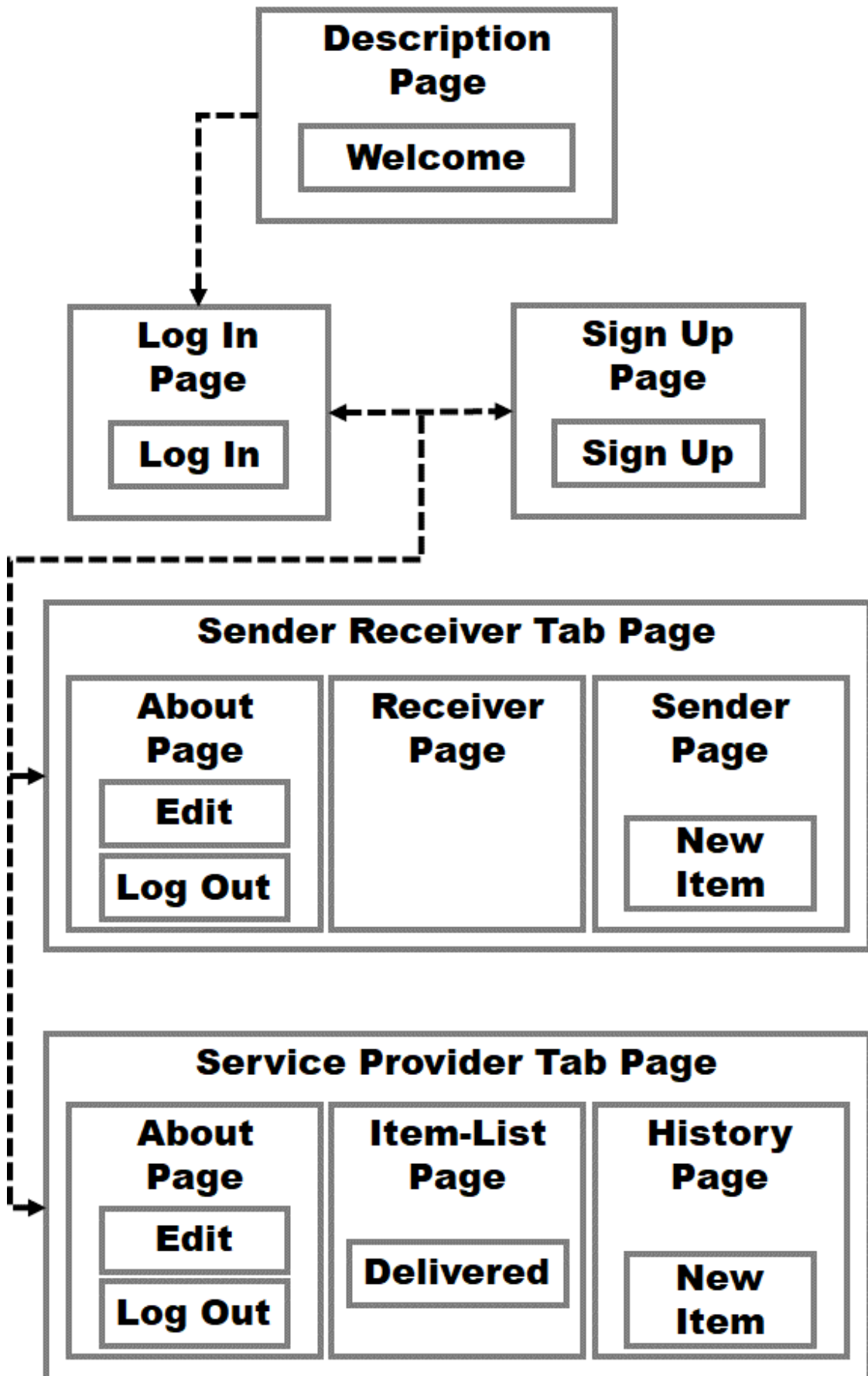
## Server-side

Node JS (v12.16.3) software is used in order to perform server-side programming where we use certain modules like Express and so on.

## Database

Mongo Db (v4.2.7) is a no-SQL database, which is used in order to store the information regarding the users of the application.

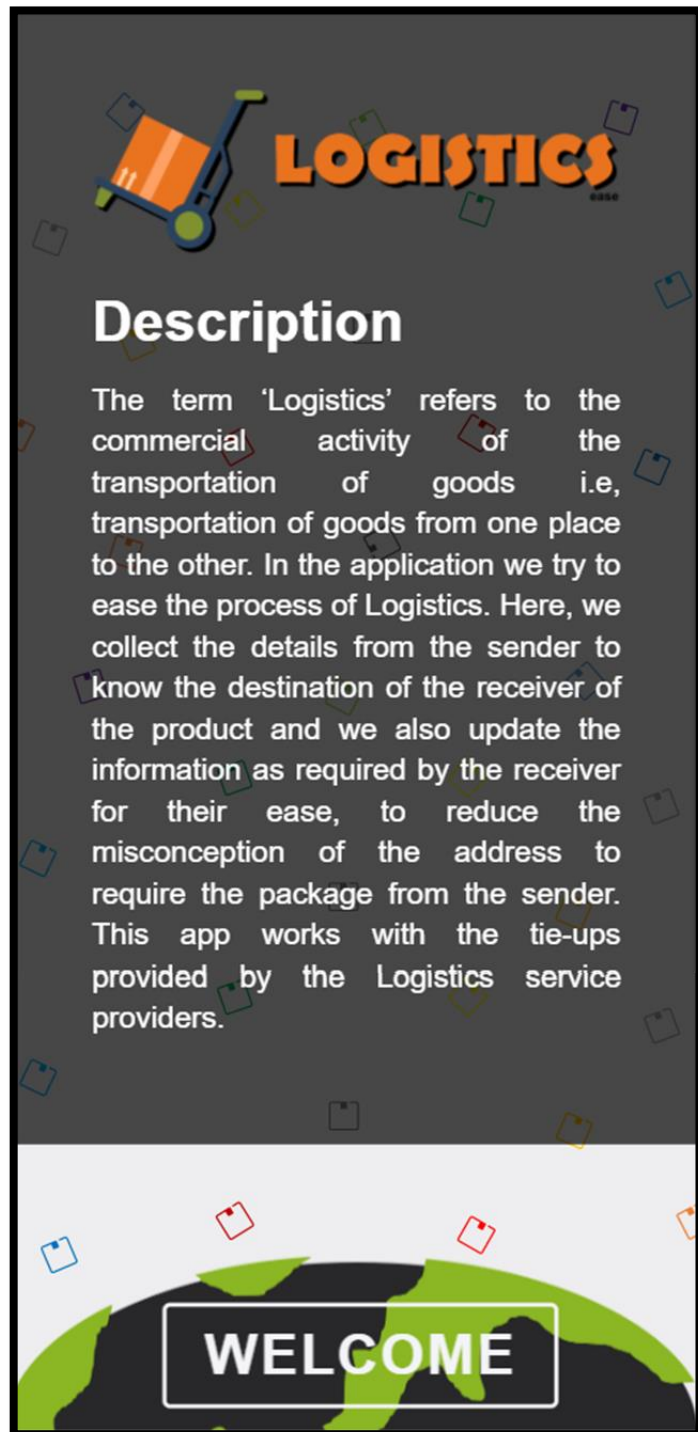
## Page Navigation Flow



## Pages in this Application

### Description page

Initially the application loads with the 'Description' page where it describes the application in brief, where it welcomes the users and it has a welcome button at bottom which navigates to 'log-in' page.

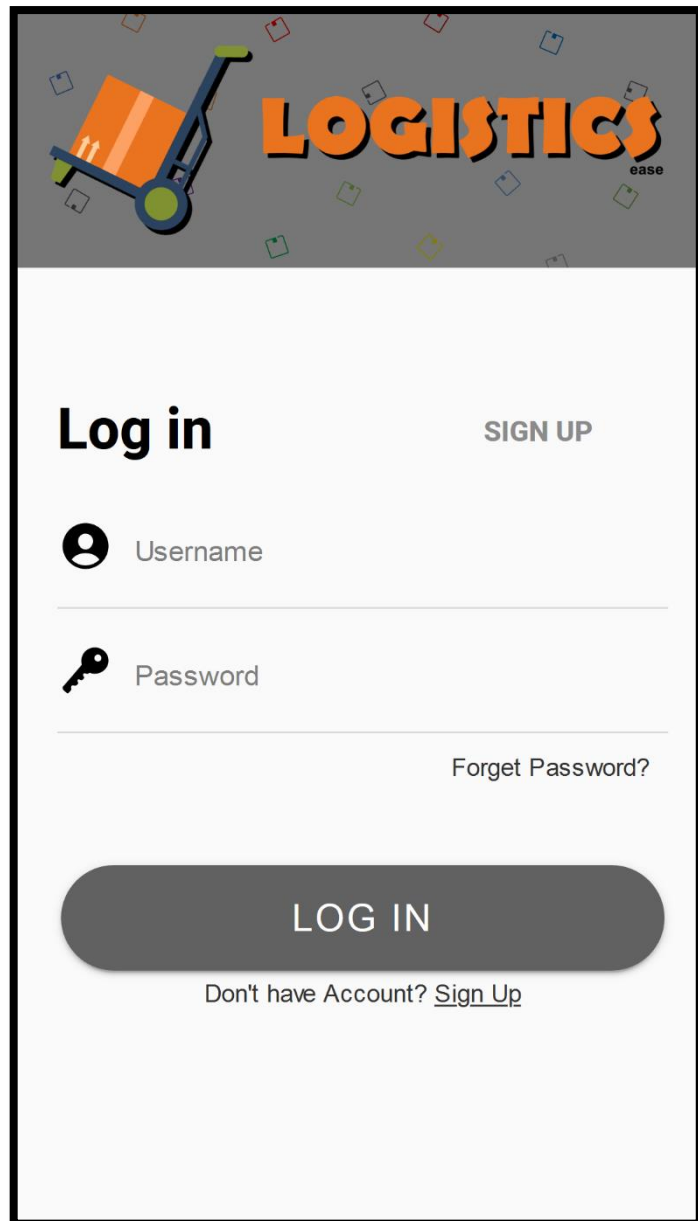


## Log-In page

The 'Login' page here the user can enter their username and password to get into the application. If the user is new to the application then they register by using the sign-up button which navigates to the 'sign-up' page.

Login button which navigates the user to the next page.

The page which wants to display after the login page is decided by the user type which was registered in the 'sign-up' page. If the user type is Sender-Receiver then it navigates to the 'Sender-Receiver' page, else if the user type is Service-Provider then it navigates to the 'Service-Provider' page.



The image shows a mobile application login screen for a logistics service. At the top, there is a header with a dark grey background. On the left, there is an illustration of a blue hand truck with an orange box. To the right of the truck, the word "LOGISTICS" is written in large, bold, orange capital letters. Below the header, the main content area has a light grey background. It features a "Log in" title in bold black text on the left and a "SIGN UP" link in grey text on the right. Below the title, there are two input fields: the first is labeled "Username" with a person icon, and the second is labeled "Password" with a key icon. To the right of the password field is a "Forget Password?" link. At the bottom, there is a large, dark grey rounded rectangle button with the text "LOG IN" in white. Below this button is a link that says "Don't have Account? [Sign Up](#)".

## Sign-Up page

In this page the user can register by entering their user data such as user name, mobile no, email id, password and select the user type.

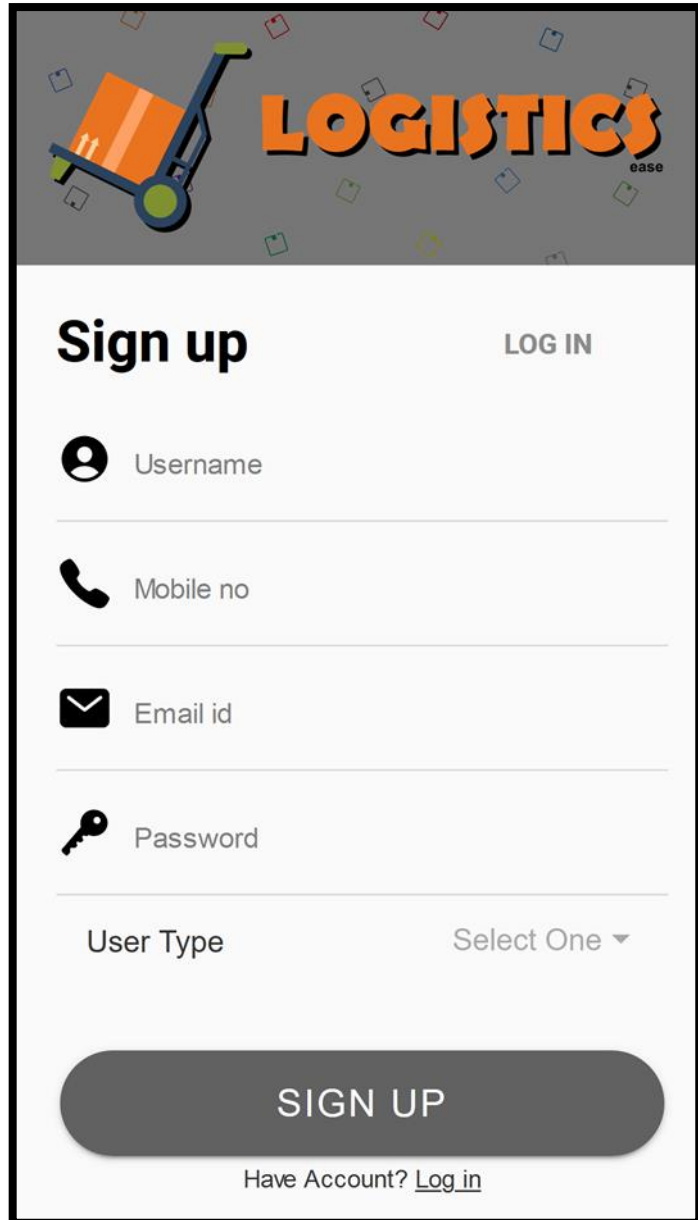
The 'User Type' is divided into 'Service-Provider', 'Sender-Receiver' where the user chooses one from it.

If the user is a normal client, like people using this app then the user must choose 'Sender-Receiver'.

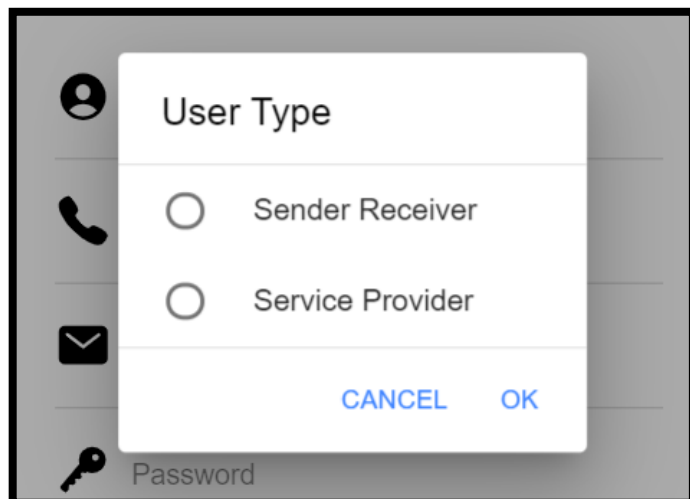
If the user is working in a Logistic service providing company which is already tie-upped to this app, then the user must choose 'Service-Provider'.

Sign up button which works the same as the Login button which navigates the user to the next page.

The page which wants to display after the login page is



The image shows a mobile app sign-up screen. At the top, there is a header with a logo featuring a hand truck carrying an orange box, surrounded by small document icons, and the word "LOGISTICS" in large, bold, orange letters. Below the header, the screen is divided into two sections: "Sign up" on the left and "LOG IN" on the right. The "Sign up" section contains four input fields, each with an icon: a person icon for "Username", a telephone icon for "Mobile no", an envelope icon for "Email id", and a key icon for "Password". Below these fields is a "User Type" label followed by a dropdown menu showing "Select One". At the bottom of the sign-up section is a large, dark grey button with the text "SIGN UP". Below the button, there is a link that says "Have Account? [Log in](#)".



The image shows a modal dialog box titled "User Type". It contains two radio button options: "Sender Receiver" and "Service Provider". At the bottom of the dialog are two buttons: "CANCEL" and "OK". The dialog is overlaid on a blurred background of the sign-up form, showing the "User Type" label and the "Password" field.

decided by the user type which was registered in this page at user type select option. If the user type is Sender-Receiver then it navigates to ‘Sender-Receiver’ page, else if the user type is Service-Provider then it navigates to the ‘Service-Provider’ page.

## Tab pages

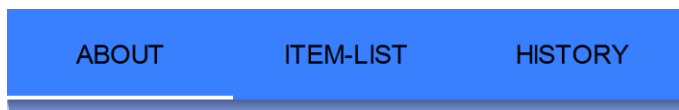
There are two-tab pages Sender-Receiver page and Service-Provider page. These pages hold super tabs which can help to navigate between pages by clicking the tab name and also allows swipe between pages

### Sender-Receiver pages



Tab placed in this page is used to navigate between the About, Receiver and Sender page.

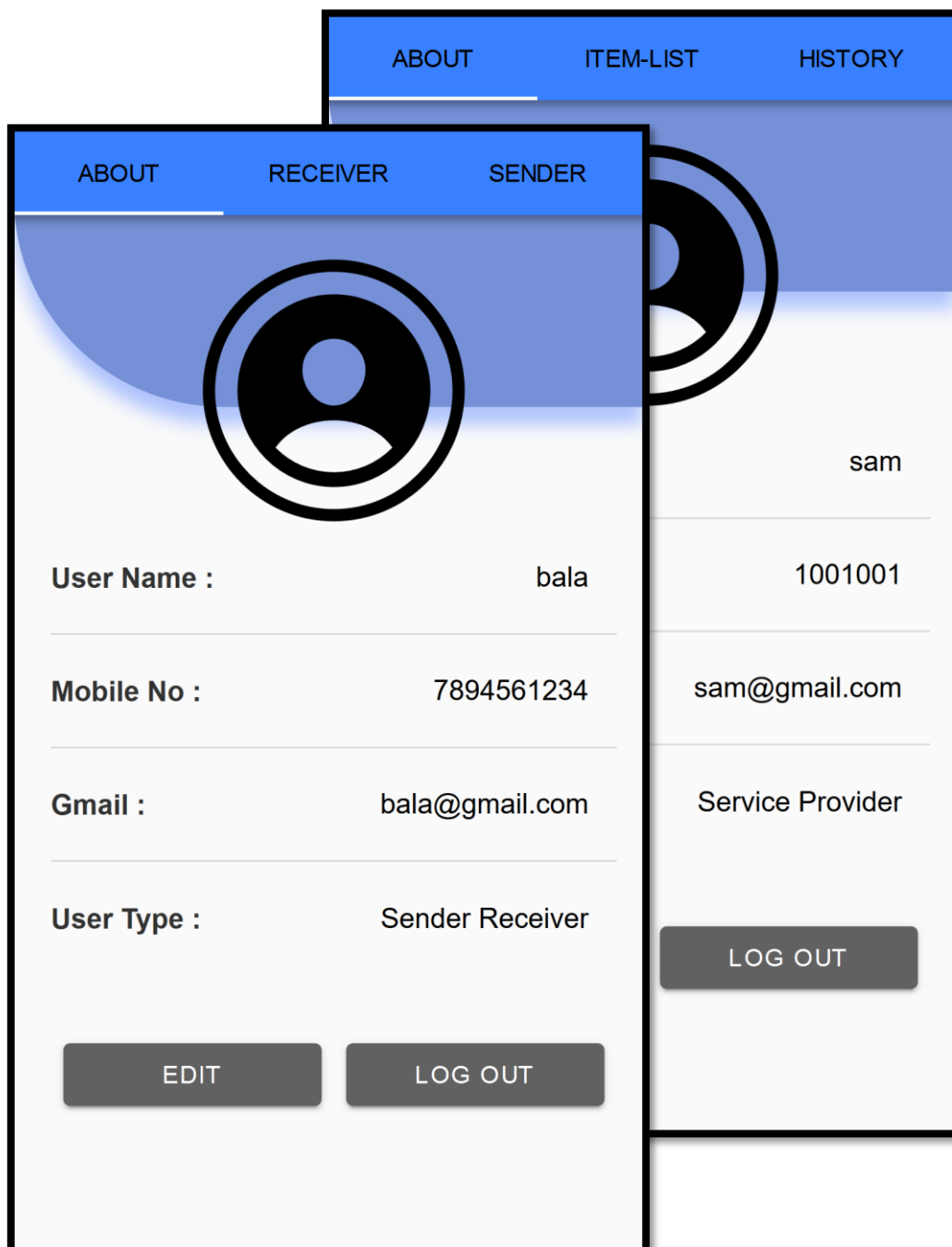
### Service-Provider pages



Tab placed in this page is used to navigate between the About, Item-list and History page.

## About page

This page is common to both the user type Sender-Receiver page and Service-Provider. It used to show the user data such as user name, mobile no, Gmail, user-type. It also has two buttons, a logout button is used to logout the user from the application and navigate to the login page, another button is edit button is used to modify the user data.



## Receiver page

This page is used to show the current status of the packages which is currently on the movement to the user. And also shows the received packages like the history.

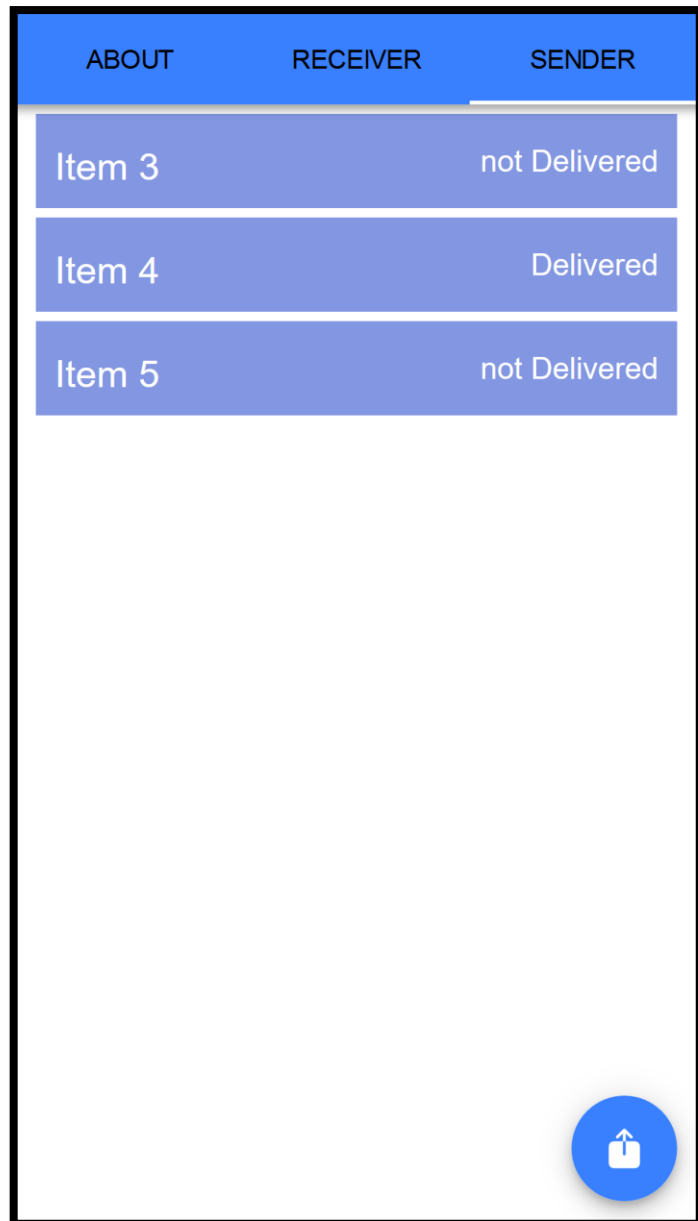
ABOUT	RECEIVER	SENDER
Item 1		not Delivered
Item 2		not Delivered
Item 6		Delivered



## Sender page

This page is used to show the current status of the packages which is currently on the movement to the receiver by this user. And also shows the delivered packages like the history.

Floating button which is located at the bottom right corner of the page is used to load the 'goods-to-send' page under the sender tab.



## Goods-to-send page

This page loads under the sender tab. Here users can enter sender and receiver information for new goods which are sent by the user.

ABOUT

RECEIVER

SENDER

Goods to Send

Sender Address

Reciver Address

Reciver Gmail

Reciver Mobile no

Service Providers

CANCEL

CONFIRM

## Item-list page

This page is provided to 'Service Provider' users, which enables them to remember the items which are all going to be delivered by them. It is provided with the 'Delivered' button on each item, which is clicked once the package is delivered to the client.

ABOUT	ITEM-LIST	HISTORY
Item 1	DELIVERED	
Item 2	DELIVERED	
Item 3	DELIVERED	
Item 5	DELIVERED	

## History Page

In this page, the 'Service Provider' users are enabled to view the 'Delivered' items which are previously delivered to their clients by them. It is stored in the database, to maintain a record of the delivery of the goods provided by them.

ABOUT	ITEM-LIST	HISTORY
Item 4		Delivered
Item 6		Delivered

## **Future updates**

It is planned to include the 'Email notification' feature once the 'Sender' tries to send goods to 'Receiver' which would be generated automatically by the server to notify the 'Receiver'.