Intra City Courier Service

Project Domain / Category

Mobile Application (Android)

Abstract / Introduction

Often, we have to send parcels/letters within city. It is a hectic process to go to the post office/courier center for shipment of parcels/letters. We can solve this issue by developing an android app through which user can send his/her parcels picked up from his/her doorstep and delivered at his/her desired destination.

User will enter pick up and destination location manually or by using Google maps along with the parcel and receiver details. Courier Company will confirm the order request of the user and assign a courier representative to user. The user will get push notification on his mobile upon the confirmation of his order request. The courier representative will arrive at the users pick up location (with the help of Google map direction), collect parcel and courier charges and will deliver the courier at the destination. Users can also track the real time status of his parcel on google maps.

There will be three users of the Application.
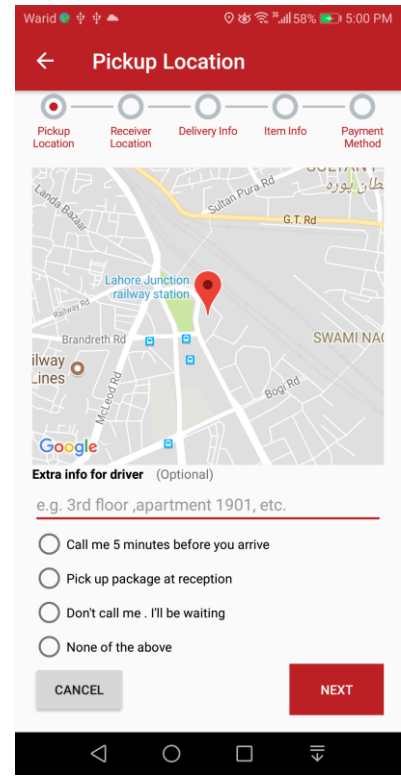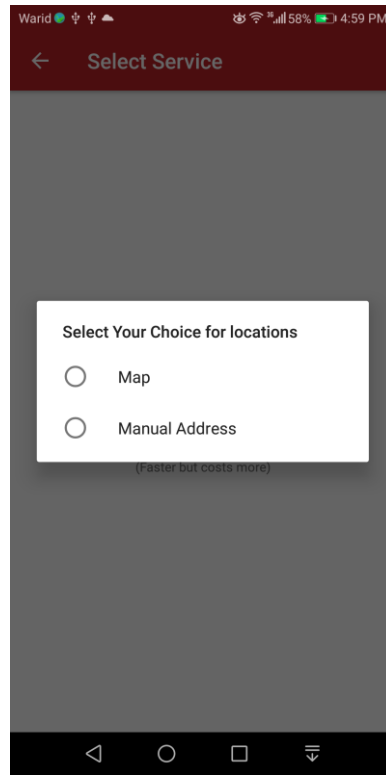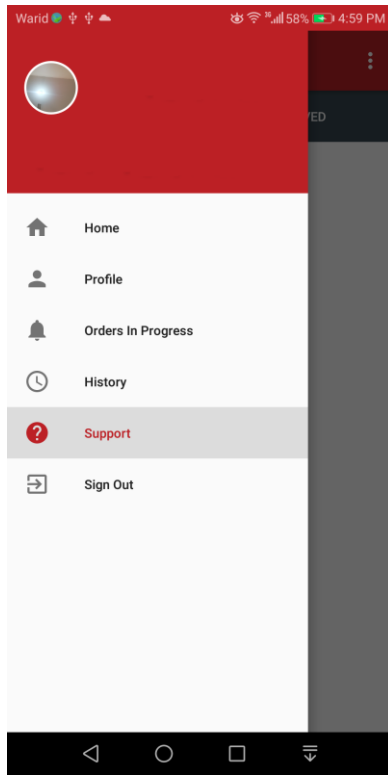
- User

- Courier representative/driver

- Admin

The following will be the functional requirements of this project.

Functional Requirements:

- User management.

- User can request new order.

- Admin/user/driver can view order details.

- Admin can manage accounts

- Admin can manage courier orders

- Admin/user can view tracking result of courier location

- User should be able to receive Real-time Push notifications on order confirmation/cancelation.

- Courier representative/driver should be able to open Google Maps and follow directions from where the user is requesting the service.
- Show Driver route while delivering the parcel.

Screenshots:

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← **Where is it going?**

✓ Pickup Location — ● Receiver Location — ○ Delivery Info — ○ Item Info — ○ Payment Method

Select Destination

⦿ Use Map ○ Enter Manual address

🔍 Enter destination location

65 Ghalib Rd, Block D1 Block D 1 Gulberg 3, Lahore, Punjab, Pakistan

Liberty Market

CANCEL   NEXT

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← **Delivery Information**

✓ Pickup Location — ✓ Receiver Location — ● Delivery Info — ○ Item Info — ○ Payment Method

Receiver Name   *

👤 Name   ➕

Receiver phone number   *

📞 +92   e.g 03000000000

Extra info for driver   (Optional)

e.g. 3rd floor ,apartment 1901, etc.

CANCEL   NEXT

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← **What is it?**

✓ Pickup Location — ✓ Receiver Location — ✓ Delivery Info — ● Item Info — ○ Payment Method

What's is inside? *

🛒 _____

Category:

Half-1 Kg ▾   100 PKR

Snap a photo (optional)

📷 Take a photo   🖼 Open Gallery

Amount to collect receive from receiver

0.0   PKR

CANCEL   NEXT

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☰ **Orders In Progress** ⋮

hdhshshs

To A Qadeer
Ref: 3023012018174708
Date: 23/01/2018

View Order

bxhchch

To A Qadeer
Ref: 3027022018132803
Date: 27/02/2018

View Order

rdff

From Hafiz Muhammad Azeem Sarwar
Ref: 3030012018154052
Date: 30/01/2018

View Order

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← **Order Details**

23/01/2018 ,17:47:08

hdhshshs

To A Qadeer
Ref: 3023012018174708

Order status: In Progress
Order Type: send
Package: 9-10 Kg
Pickup Location: Ghalib Rd, Lahore, Pakistan
Receiver: A Qadeer
Receiver Address: hshshshshsh
Total Cost: 900
Payment Method   Card on Delivery

Cancel Order

Note:

- These are basic requirements of the application. Students may add further functionalities to make the application more useful.
- Virtual University of Pakistan will not provide any kind of hardware for this project; student has to arrange the required hardware by himself/herself.
- VU will not pay for any license of the software, the libraries /toolkits/APIs used in this project.
- It may also be noted that your android devices must support all features necessary for this project.

Tools:

Android Studio

Firebase

MySql lite/ PhpMyAdmin

Google Maps

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