IT - 314: SOFTWARE ENGINEERING

PROJECT: CANTEEN AUTOMATION APPLICATION

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USER MANUAL

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1 General Introduction

In today's fast-flowing world people don't have much time to spend and everyone wants things to be done on their fingertips. Many people visit the canteen in their lunch break so they have a limited amount of time to eat and return to their respective offices or workplace. So the Canteen Automation System comes to the rescue and eases the task of food ordering.

1.1 Application Overview

The Canteen Automation System enables the end-users to register online, read and select the food from E-menu and order food online by just selecting the food that the user wants to have using this Android Application. The Application considers three types of users: Customer, Canteen staff and Admin. The benefit of this system is that it greatly simplifies the ordering process for both the customer as well as the canteen.

2 System Summary

This section gives an insight into the hardware and software requirements of CanteenApp and user access levels.

2.1 Hardware and Software Requirements

- Android Operating System required.
- The minimum Android version should be 4.0.3 and up to avail all the features of the application.

2.2 User Access Levels

- User as a Customer - A customer can view the list of canteens and order food.
- User as a Canteen Staff - Canteen staff can change the canteen availability as well as edit food items. The Canteen Staff will be notified as soon as an order is placed to this canteen.
- User as an Admin - Admin can add virtual money to a customer's account as well as settle accounts for Canteens.

# 3   User as a Customer

3.1 Create a new account

For new users click on the *Sign-up here* button. You will be redirected to the Sign-up page and a screen as shown on the right will be shown. Fill all the required fields and press the *SIGN UP* button to register. (*Note: Password length should be greater than or equal to 6 characters.*)

3.2 Log in

A user can Log-In to the system using his/her registered email and password. An image to the left shows the Login page.

3.3 List of canteens
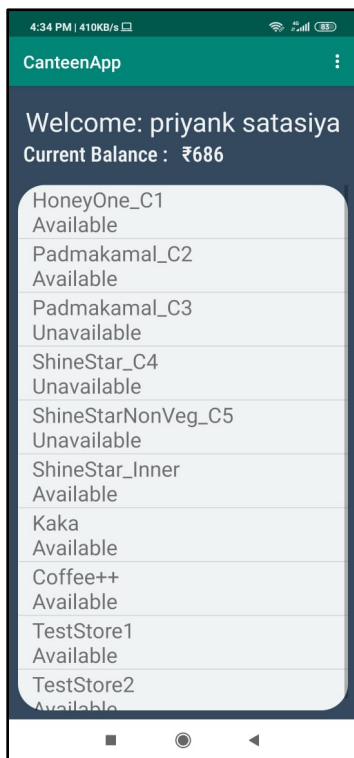
After successful login, you will be able to see your name, virtual balance and list of all canteens on the homepage. Below the name of each canteen, its availability will be shown. A user can only place an order from the available canteens.

3.4 Menu of a particular canteen

After selecting a canteen, a user can see all the food items and its availability.

3.5 Food order page
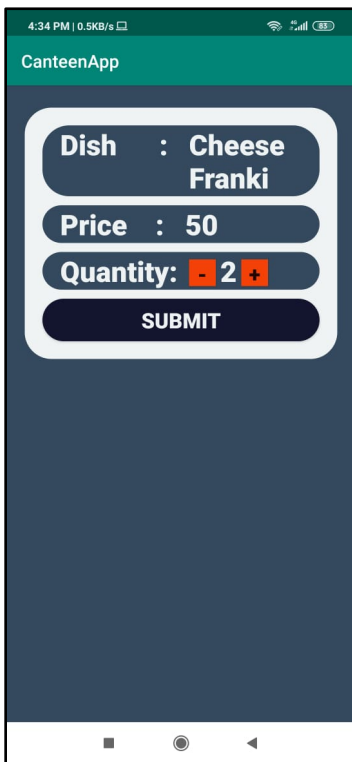

You can select any item and its Quantity using **+** and **-** buttons. Then press the submit button to add it to the cart.

3.6 Cart

You can select any number of items from the list. After selecting items, press *Proceed to cart*. If you haven't selected any items then it will show you a message to select at least one item.

In the cart page, you can see the total selected items, it's quantity and price. You can also see the total amount that you have to pay. You can add cooking instructions and select a payment mode. You can change payment mode by clicking on the *change* button. There are two modes available, cash and online payment mode.
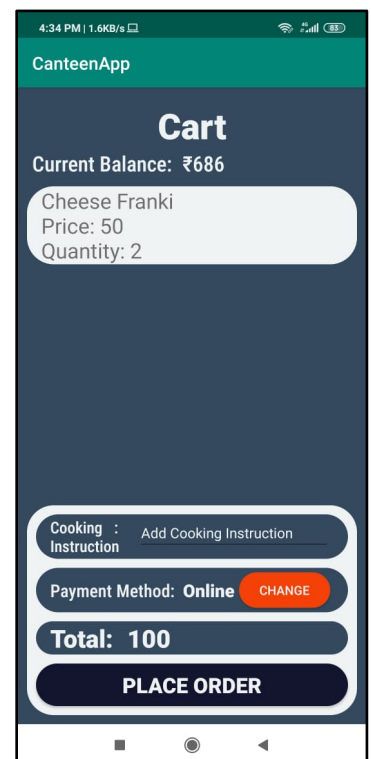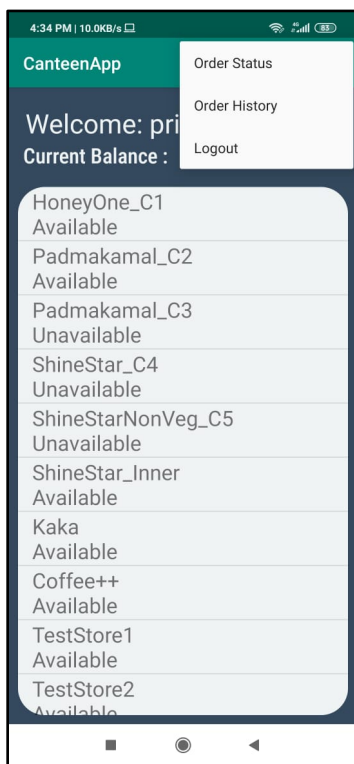
You can also see order status and order history by clicking on the three-dotted option button which is available at the top right corner on the canteen list page.

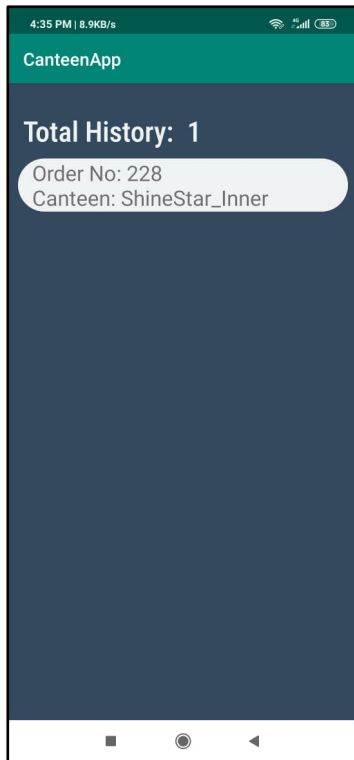You can logout from your account by choosing the logout option.

3.7 Order Status

By clicking on the order status, a user can see all pending orders.

To see the detail of any order a user can click of that particular order. It also shows whether the payment is done or not.
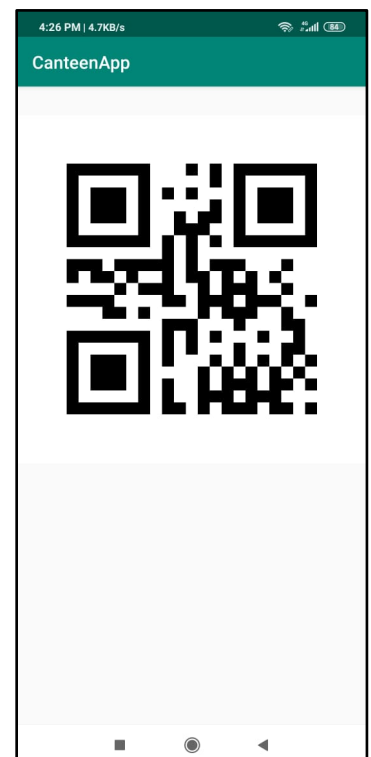
3.8 Order history

The order history tab shows all the past orders. These are those orders which were already received by the customer
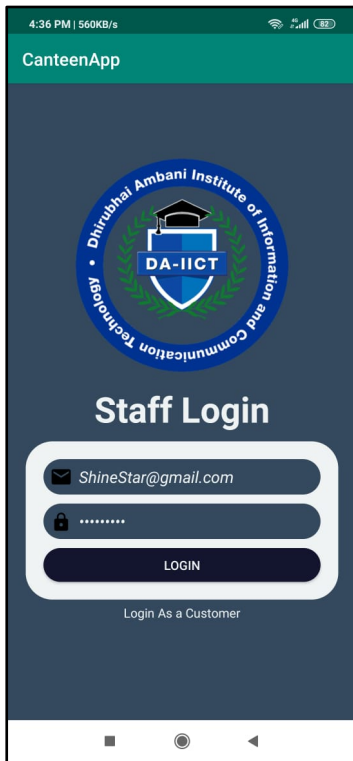
3.9 Generate QR code

When a user goes to a canteen to take the order, he/she needs to generate a QR code first and show it to the canteen staff person.

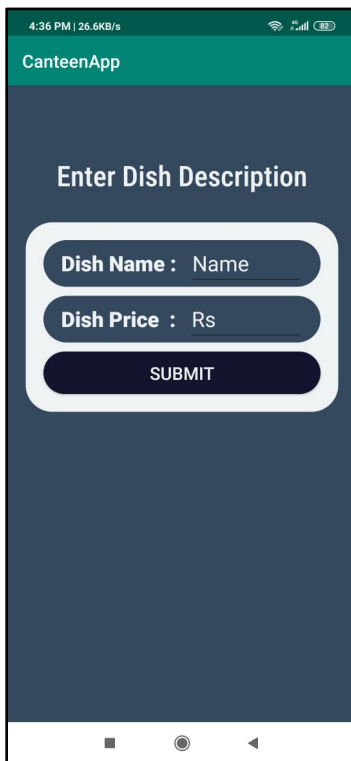# 4   User as a Canteen Staff member

4.1 Login as a Canteen Staff

To log in as canteen staff person press the *login as a canteen staff* and enter the valid email id and password.

4.2 Menu page of canteen

After successful login into the canteen side, a user can see the canteen name, its availability, its current balance, all the items and availability. By clicking on the change button, a user can change the canteen's availability.
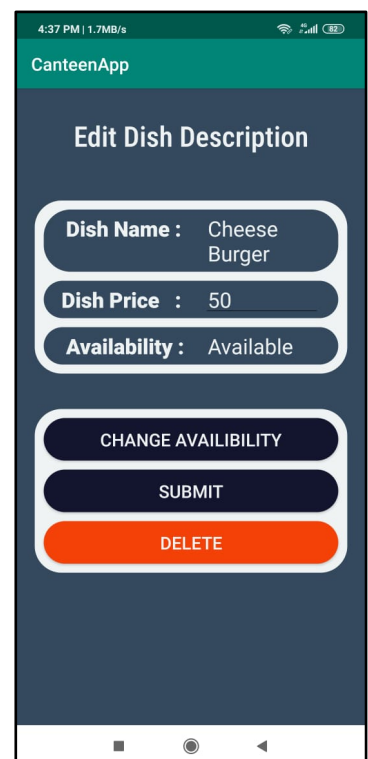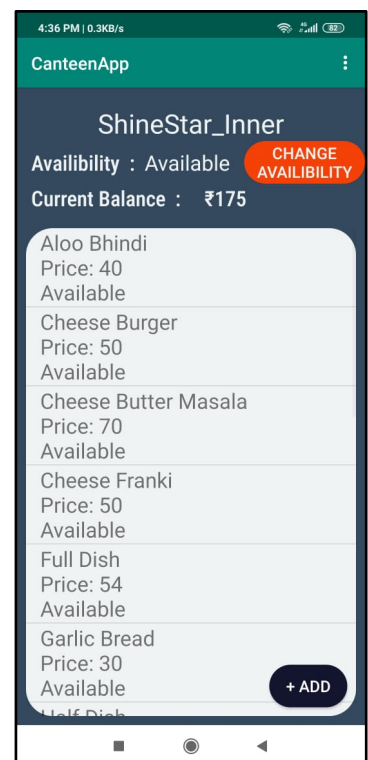
4.3 Add item

To add a new item you can press on the add button which is at the bottom right corner. Add the dish name and price and then click on the submit button. The item will be added to the canteen menu.

4.4 Edit item

By clicking on an item a user can see a page like the one shown above. A user can change the name of the item, price of the item, availability of the item or can also delete that item from the menu.
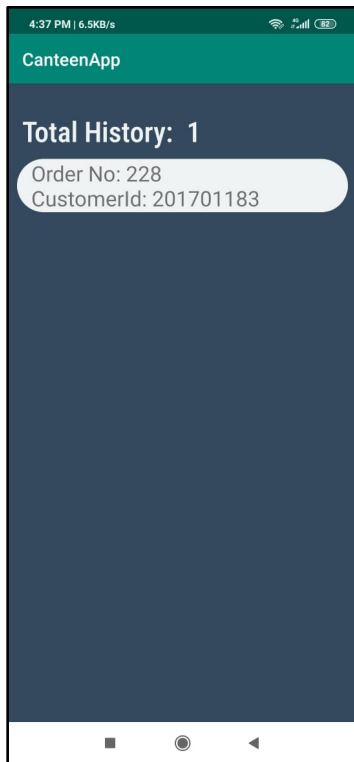
4.5 Scan QR
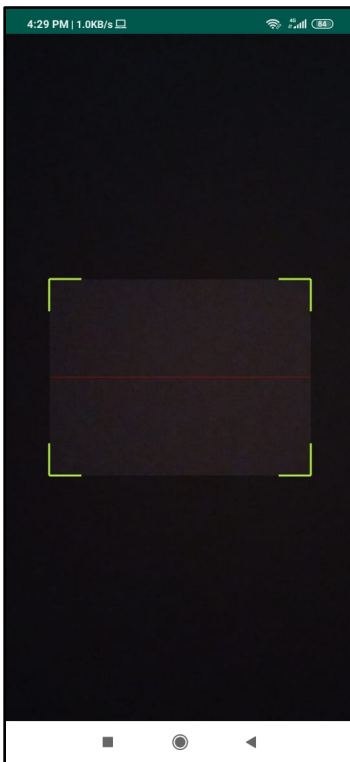
To scan QR code click on Scan QR. After scanning the QR code you can see the details of that order placed by that customer.

4.6 Order Status

To see pending orders click on the *order status* button.

4.7 Order history

You can also see order history as well as customer id there. Click on the particular order to see its details.
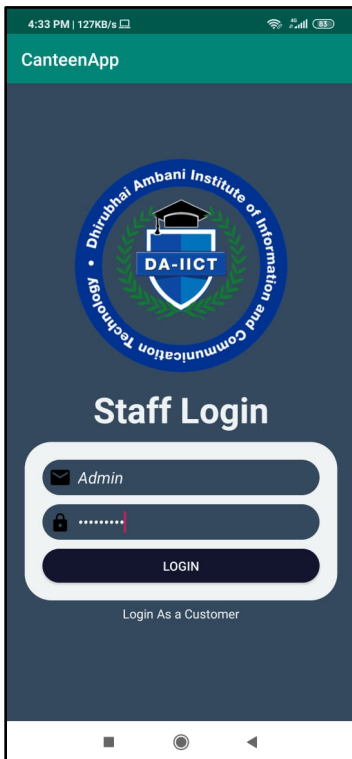
4.8 Deliver Order

To deliver an order click on that order. You can now see the payment status of the order. To deliver the order just click on *deliver order*. Now you can see that the order is removed from the order status and added to order history
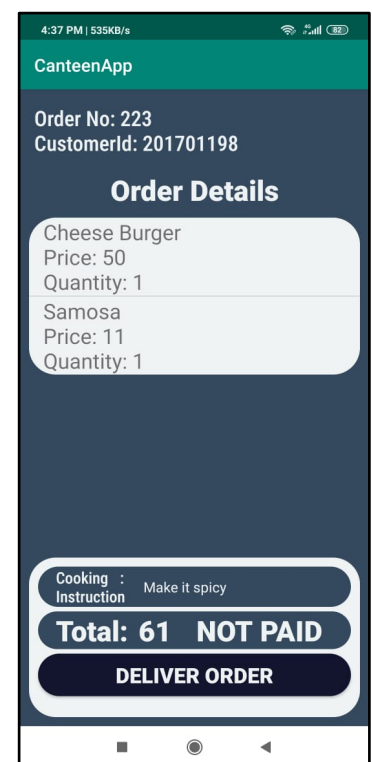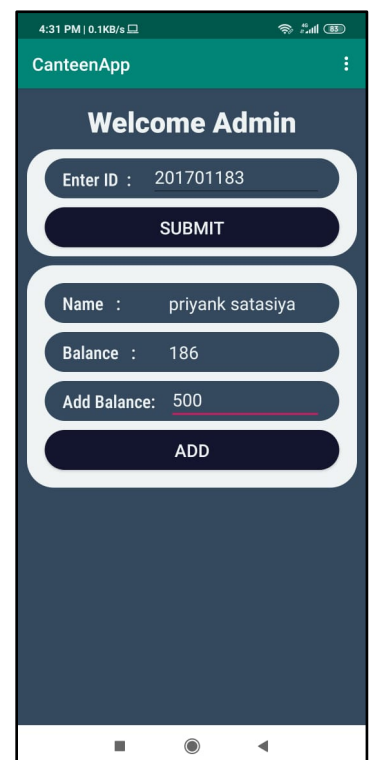
5   User as Admin

5.1 Login as Admin

To login as Admin, click on the *login as staff* and enter valid email and password.

5.2 Add virtual money/ credits into account

To add money just enter the id of the customer and click on the submit button.

Now you can see the customer name and balance. To add balance enter the amount in the *add amount field* and click on the *ADD* button. You can see an updated balance right there.

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