

# Digital Cafeteria

Designed and Developed by  
[automations.digital](http://automations.digital)

## User Guide

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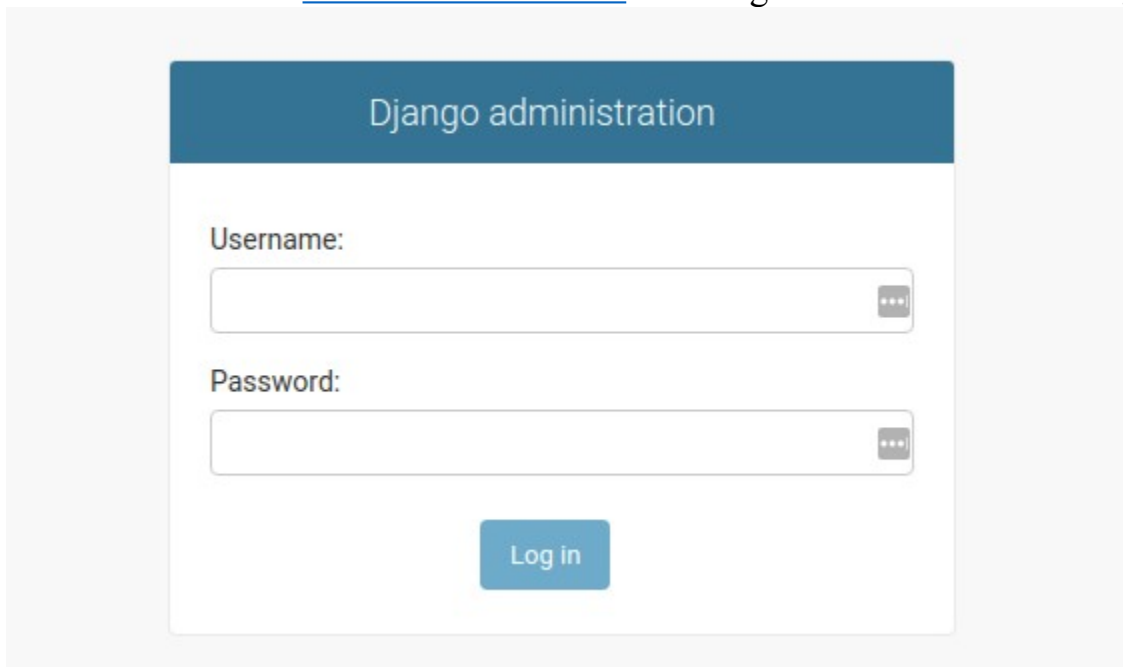
1. [Hardware Guide](#)
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# 1. Hardware Guide

1. **Raspberry Pi:** Raspberry Pi is a single board computer which is used in this project to power our kiosk. As with traditional computers, a mouse, a keyboard and a monitor will be attached. To boot up the raspberry pi, simply turn on the power supply. To shut down, go to the power menu and click on shut down. A button (optional) will be provided to shut down the system.
2. **RFID Reader:** An MFRC522 module is used to read data from the ID cards of the users.

## 2. Software Guide (Management)

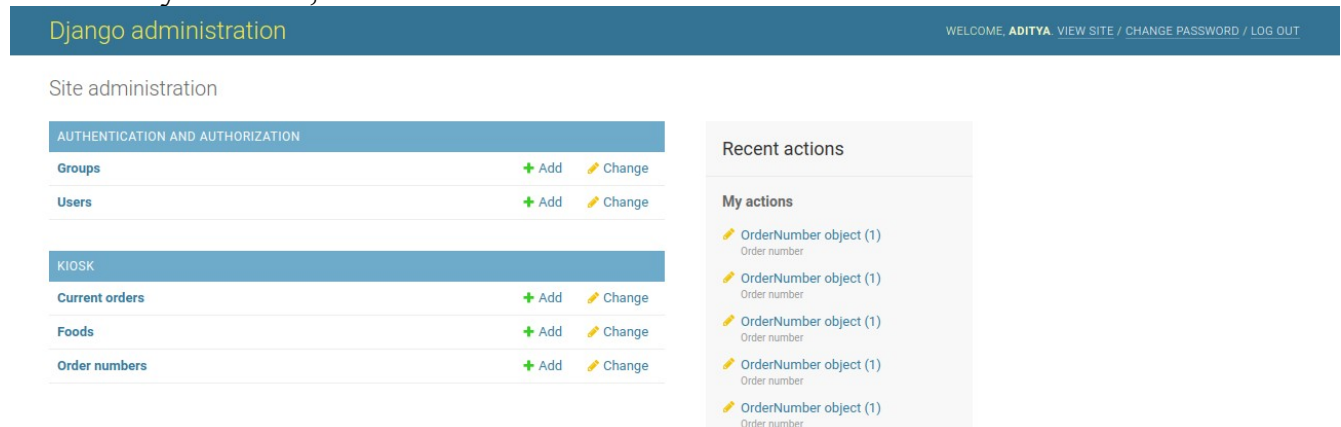
The administrator section is intended to be very simple for the layman. The admin section can be accessed at [localhost:8000/admin](http://localhost:8000/admin) . The login screen is shown in Fig 2.1



The image shows the Django administration login interface. It features a dark blue header with the text "Django administration". Below the header, there are two input fields: "Username:" and "Password:". Each field has a small "..." icon to its right. At the bottom of the form is a blue "Log in" button.

Fig 2.1: Login Screen

The administrator can create accounts for staff with limited access, like changing availability of items, etc.



The image shows the Django administration console. At the top is a dark blue header with the text "Django administration" on the left and "WELCOME, ADITYA. VIEW SITE / CHANGE PASSWORD / LOG OUT" on the right. Below the header, the page is divided into two main sections. The left section is titled "Site administration" and contains two tables. The first table is titled "AUTHENTICATION AND AUTHORIZATION" and has two rows: "Groups" and "Users", each with a green "+ Add" button and a yellow "Change" button. The second table is titled "KIOSK" and has three rows: "Current orders", "Foods", and "Order numbers", each with a green "+ Add" button and a yellow "Change" button. The right section is titled "Recent actions" and contains a list of actions under the heading "My actions". Each action is represented by a yellow pencil icon, the text "OrderNumber object (1)", and the text "Order number".

Fig 2.2: Admin Console

The food items can be added in the Foods table as shown here in Fig 2.3

Django administration

WELCOME, ADITYA / VIEW SITE / CHANGE PASSWORD / LOG OUT

Home › Kiosk › Foods › Add food

Add food

Name:

Chilli Potato

Price:

41

Image url:

/p-content/uploads/2014/06/Chilli-potato.jpg

☒ Availability

Save and add another

Save and continue editing

SAVE

Fig 2.3: Adding/Modifying Food Items

On the last day of every month:

- The current order count in table current order must be set to 0 (zero)
- The data of orders table (local) must be exported as .csv and cleared
- The data of orders table (DynamoDB) must be exported as .csv and cleared
- The data from the two .csv files must cross-checked and audited

### 3. Software Guide (Customer)

1. Kiosk View: The system will, by default, boot up to the Kiosk view as shown here in Fig 3.1

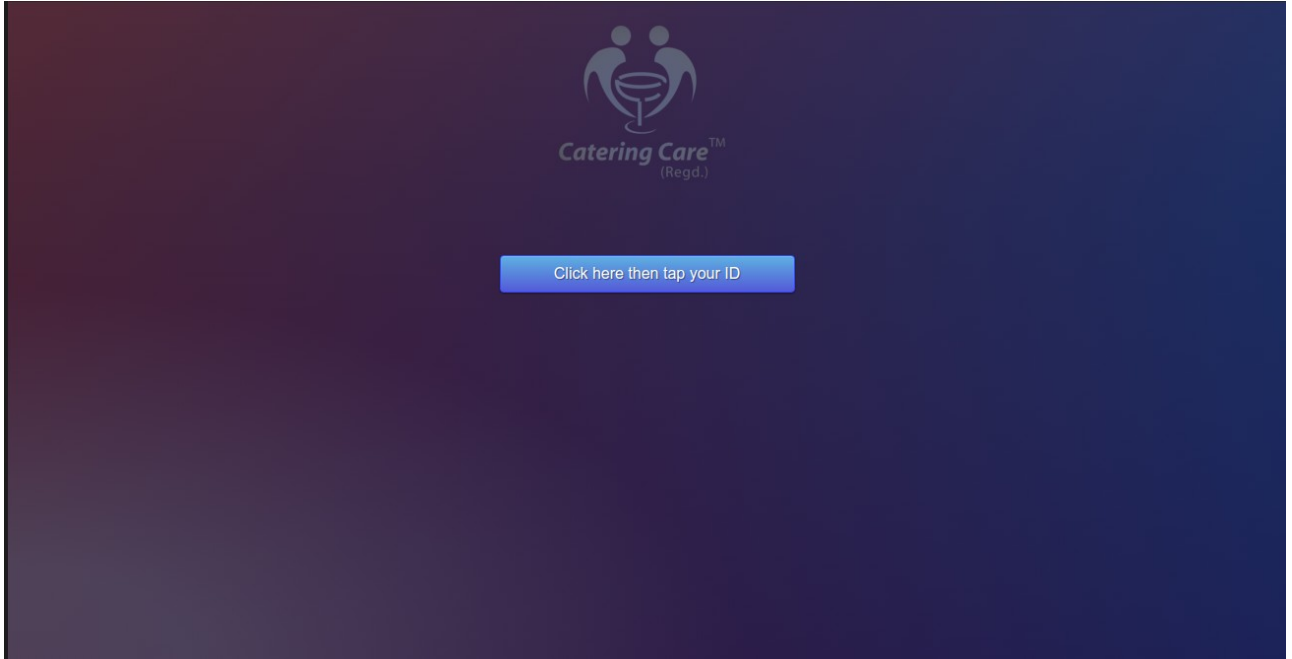


Fig 3.1: Landing Page

2. On clicking the button, the user will tap his ID which will lead him to the screen shown in Fig 3.2. This order page will display the balance associated with the user's ID and the items that are available for sale. The user won't be able to add the items which are marked as unavailable.

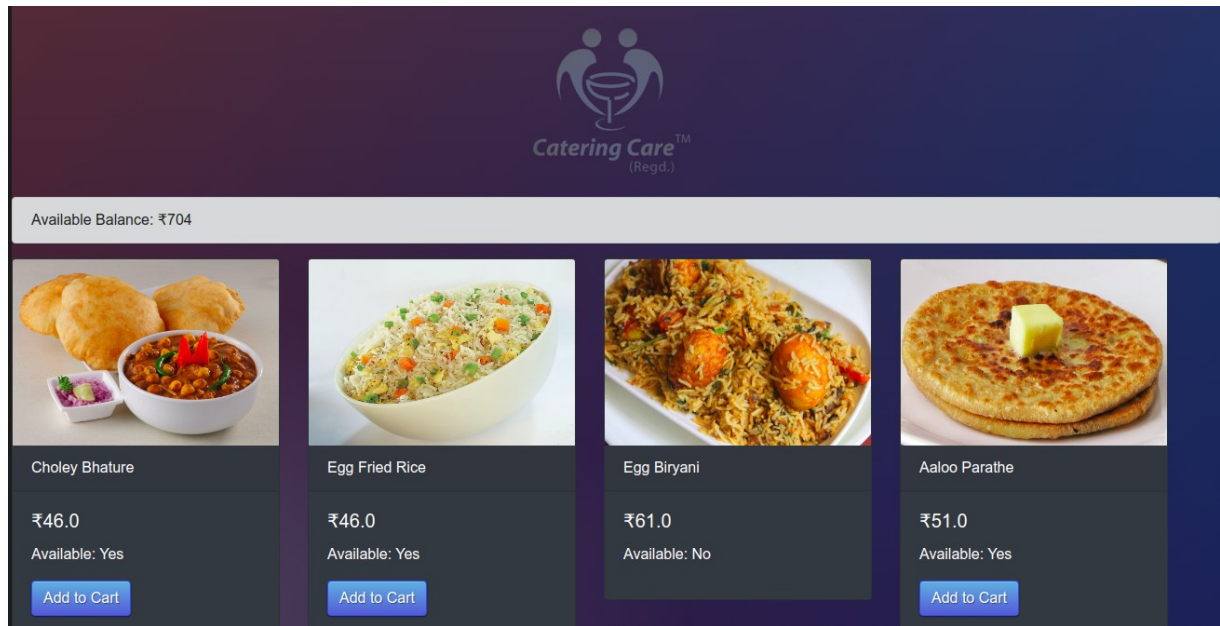


Fig 3.2 Order Page displaying available balance and items

3. Once items have been selected, the cart icon will appear on the top left screen. When clicked, the user will be redirected to review their cart and confirm payment as shown in Fig 3.3

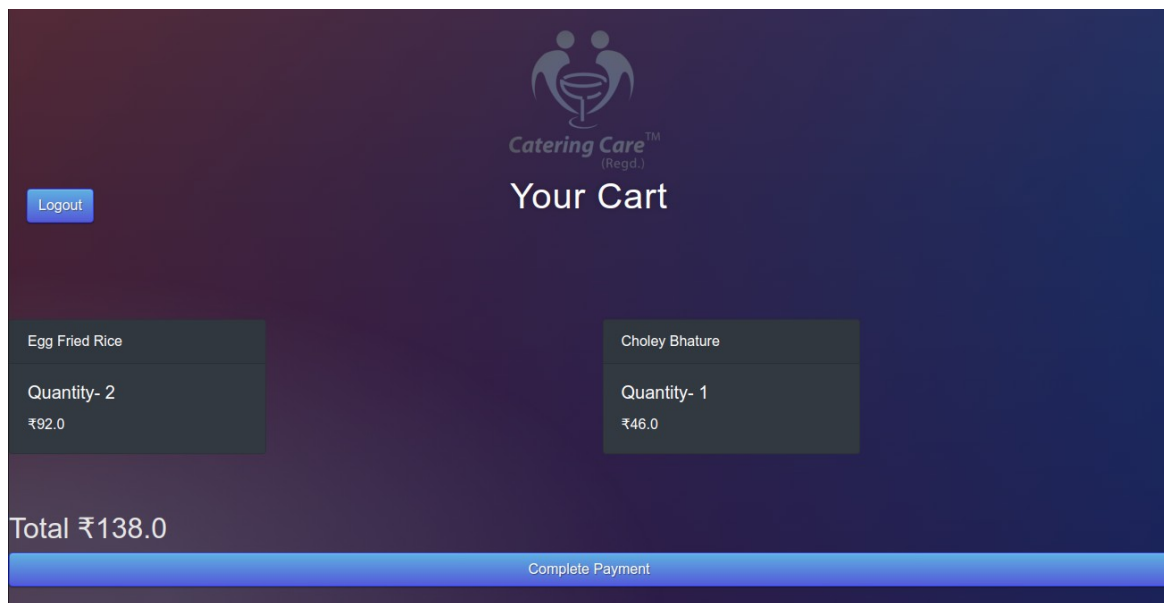



Fig 3.3 Cart page



4. Once the user confirms the payment, the bill will be generated and the user's balance will be updated in the database. The user will then be redirected to the landing page. The bill is shown in Fig 3.4



**Catering Care**<sup>TM</sup>  
(Regd.)

**12:22:39 14/9/2019**

<i>Item</i>	<i>Quantity</i>	<i>Total</i>
<i>Egg Fried Rice 2 unit(s) Rs 92.0</i>		
<i>Choley Bhature 1 unit(s) Rs 46.0</i>		
<b><u>Grand Total: Rs. 138.0</u></b>		

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Fig 3.4 Generated bill