

IT-632-Software Engineering

Cafeteria Management System (Cashless Canteen)

User Manual V1.1

Team-2

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10th October, 2013

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Document Revision History:

Version	Primary Author(s)	Description	Reviewer(s)	Date
1.0	Aakash Thakkar	User Manual – First Draft	Jay Parikh	17 th Sept 2013
1.1	Jay Parikh	Final Draft		10 th November, 2013

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1 Introduction

1.1 Purpose of this software

The main agenda of our project “Cashless Canteen” is to reduce day to day problems the students of DA-IICT face in the canteen. Many of the problems includes

- Not having enough change
- The famous DA-IICT “Coupon” problem
- Losing track of the expenditures at the cafeteria
- To have to keep cash all the time

Hence, to overcome these problems this software allows the user to have quick, less erroneous, accountable and cashless transactions in the cafeteria at DA-IICT. Every student, faculty and rest of the staff need not to carry any cash to cafeteria for buying food, what they need is just to tap their RFID card on the RFID reader at the cafeteria and Bam! You are done. Hence, in this way the software makes all the problems obsolete and makes the transactions simpler and faster.

1.2 Purpose of this document

This user manual will help the users (employees and admin) to first of all install the product, and then will explain all the features and functionalities of the system and also explain how to use the product.

2 Requirements

2.1 User Requirements

The users need a regular PC connected with the DA-IICT Intranet for accessing the web application. The recommended web browsers are:

1. Google Chrome 20+
2. Mozilla Firefox 4+

2.2 Hosting Requirements

2.3 Safety and Security Requirements

1. The end users will have “unique” username i.e their college ID as their username.
2. If any user logs out, then the session is said to be closed and he has to login again to use the software i.e. he cannot get back with simply using ‘Back’ button.
3. The computer must be well protected from viruses and other Internet-based threats in order to avoid crashing of server system, as it is the most crucial of all the components.
4. Database should be secured with appropriate passwords and data backup options.
5. Any change in the information of the registered user in the module shall be immediately reflected in the database.

3 Features

3.1 Common Features

- Login: The login page is common for all users, the user after entering his/her credentials will be taken to the appropriate page according to his rights and user type decided by the user ID.
- Logout: The logout button will ensure that the user who had logged in cannot see the content using “back” button.
- Sign UP: This option will be seen by all but only members of DA-IICT community having an ID can actually Sign Up.

3.2 System Administrator

- Recharge a user account using ID/RFID
 - Whenever a user may come to recharge his account, the admin has to login or has to keep logged in.
 - The admin then has to open his recharge portal, and enters the amount requested by the user.
 - The user then has to tap his RFID card on the card reader.
 - The recharge is completed
- View/Can edit user data
 - The administrator has to login
 - He now has to enter the username of the account he wishes to view/edit.
 - The search results show him the user which he requested, on clicking on that user’s record the admin can view his log and data.
 - On clicking a “Edit” button functionality the admin can edit any of the user’s data.
- Clear payment of a specific canteen
 - The admin has on his dashboard the debit balances of the canteens.

- If he pays them any amount on hand, he has to enter the payment details by clicking payment button of that particular canteen.
- He has to enter the amount, and that amount will be credited to his account.
- View canteen sales, balance log
 - Admin can view debit balances of all the canteens on his dashboard.
 - To view the sales log of a canteen, he has to click on View Log button of that particular canteen.
 - He has to then choose the sales cycle of which he intends to view.

3.3 Customer

- Can view transaction log
 - As soon as the customer login's he can view his transaction log.
 - The log will have a default time-cycle.
 - The user can change it by selecting the time-cycle.
- Can transfer balance to another user
 - There is an option of balance transfer on the user's dashboard.
 - He just needs to select the ID of the recipient and the amount he wishes to transfer.
 - If he has enough balance to transfer, a confirmation request will come in a pop-up box. Confirming it the amount gets transferred.
- Check balance
 - The user can check his balance on his dashboard.
- Can post complaints
 - There is a module in which the user can post his complaints of the cafeteria.
 - The user can click on the complaints module.
 - There will be a text area in which the user can write his complaint.
 - On clicking the post button, the complaint will reach the CMC.
- Can view complaint status
 - On the same page where the user can post complaints.
 - There is a grid view, showing the previous complaints done by the user and their status.
- Can disable his card
 - In case of theft, there is a simple toggle button in the user's dashboard allowing user to temporarily disable his card for any use.
 - This will stop the card being misused without any hassle.

- Can view canteen menus
 - The daily canteen menus can be viewed by the user by clicking menus from his dashboard.

3.4 Canteen Owners

- Create/Finalize order
 - The canteen operator/owner will place an order by selecting items from the menu from his ordering module.
 - Once he mentions everything the user mentions, the RFID reader gets activated.
 - The customer now has to tap his RFID card, and the screen will show the customers details.
 - The canteen operator will now check if the person is the same one ordering, and then finalize the order, by clicking confirm.
- Edit/Create/Delete menu Items
 - The canteen owners can create/edit/delete items from the menu by clicking menus from his dashboard.
 - His current menu will appear.
 - He can now add, edit or delete any menu items accordingly.
- Request payment to the Administrator
 - The canteen owner can view his debit balance at all times, and keeps changing as he confirms his orders.
 - There is an option near that box, showing Request Payment, which will send notification to the admin that the canteen owner requires payment.
- View/Cancel previous order
 - There is a module named “Orders” on the canteen owner’s dashboard.
 - In this page, he can view/edit/delete the previous orders and accordingly his balance will change.

3.5 CMC

- View complaints
 - The CMC member has to log-in.
 - His specific user account will have an option of view complaints.
 - On clicking the View Complaints, he can view all the complaints by all the users.
- Change complaint status
 - On the same page where the CMC member can check the complaints, there is an option “Update Complaint Status” in which he needs to update the person who has complained whether he has resolved the problem or fined the requested person.
 - On saving the complaint status, the user can also view the actions taken by the CMC for his complaint.