

# **Cafeteria Management System (Cashless Canteen)**

User interface design document

Version 1.0

19 November, 2013

Autumn 2013-14  
DA-IICT, Gandhinagar

## Overview

UI Design Document describes the interface design choices made for the Cafeteria Management Project and also explains its front end functionalities.

## Target Audience

Software Development Team  
Client

## Document Revision History

Version	Author(s)	Description	Reviewer(s)	Date
1.0	Prateek Sanadhya	UI design document v1.0		19 November, 2013

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# **1. INTRODUCTION**

## **1.1 PURPOSE**

The purpose of this document is to provide a description of the user interface design made for Cafeteria Management project.

Its main purpose is to –

- To explain the design choices made for the project.
- To explain navigation system of the interface.
- To explain front end functionalities.

## **1.2 SCOPE**

This document shall be used to systematically note and explain user interface design of the Cafeteria Management System. It also documents certain front-end features of the project.

# **2. UI DESIGN OVERVIEW**

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## **1.3 REQUIREMENTS**

The outer quality of a project depends on its user interface design. The first impression that a project makes is based on its front end. A client, at the first sight can see only its front end, if it is not good, the back end also suffers.

The User interface is divided into four sections:

- Customer
- Cafe owner
- Admin
- CMC(cafeteria management committee)

The specific UI requirements for the Cafeteria Management System are:

- A more dynamic and interactive portal with improved information architecture.
- Systematic and easy to use navigation system.

- A separate design layout for customer page, admin page, cmc page and cafe owner's page.
- User profiles which display all relevant information about the users.
- UI for cafe owners should be made as simple as possible so that they directly use it without wasting their time in understanding it.
- Large icons and buttons will be used so that they are easily visible.

## 2.2 UI DESIGN APPROACH AND TASKS

Our approach towards implementing the UI design requirements was centered around firstly understanding basic structure and functionalities of a canteen. We examined how things work in the food courts of a mall. Once we established certain familiarity with them we started tweaking the codes to experiment with the platform and learn by actually doing.

In discussion with our clients, requirement analysis team and our team leader we developed proper understanding of the requirements – layouts of various pages, navigation system, front-end features, etc. We have tried to make the interface design a balanced mixture of the *sober* and the *extravagant*.

We have created different web layouts according to the users. Our index page(first page) is the login page which is common for all users. As the user logs in, the next page to be displayed will depend on the type of user such as admin, customer, cmc or a cafe owner.

Admin's home page is provided with a navigation bar and some buttons in its header that allows him to navigate easily.

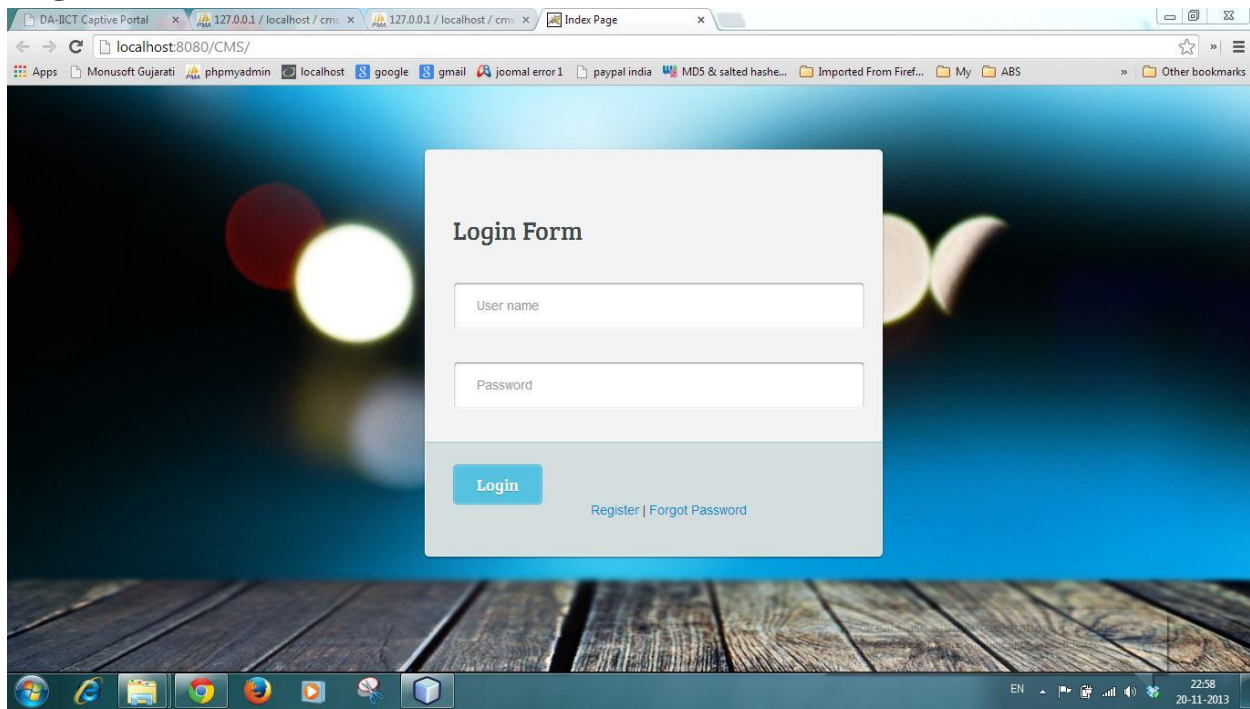
Customer's home page is provided with a header containing buttons and various tiles(blocks) on the page helps the customer to navigate through food courts.

Cafe owner's home page is made as simple as possible. A header with buttons is provided and a separate block is designed that contains a textbox to enter the amount, two buttons to add and subtract amount and a label that displays the total amount.

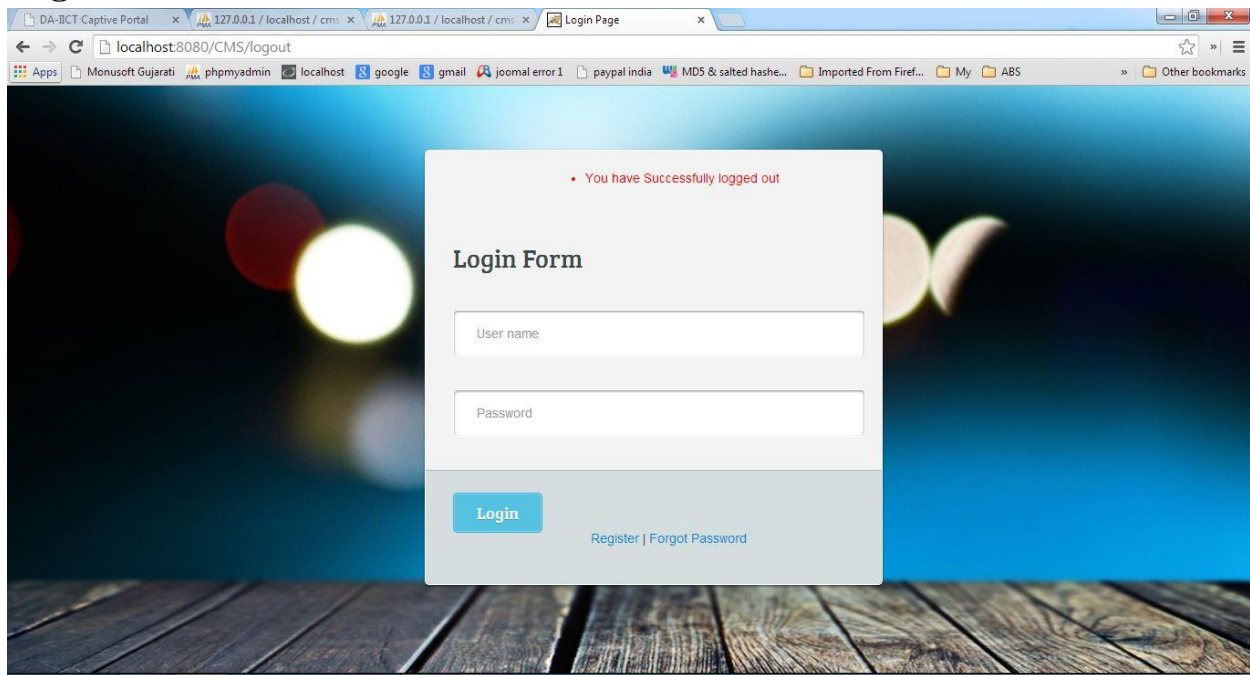
We have not used any animation or an image slider so that the website loads faster and does not delay. Only light weight images are used.

### 3. SCREENSHOTS OF THE DEVELOPED WEBSITE

#### Login



#### Logout



## Admin Home

Cafeteria Management System

Balance:7988 Home Users

**Dhirubhai Ambani**  
Institute of Information and Communication Technology

ADMIN ACTIONS

- Add Canteen
- View Canteen
- Credit Amount
- Debit Amount
- Change Password
- Logout

Users waiting for Activation

Show 10 entries Search:

User ID	First Name	Last Name	Email Verified Date	Activation Link	Deletion Link
201212088	Dipen	Rangwani	11/20/13	<a href="#">Activate</a>	<a href="#">Delete</a>

Showing 1 to 1 of 1 entries

First Previous 1 Next Last

## Admin Users

Cafeteria Management System

Balance:7988 Home Users

**Dhirubhai Ambani**  
Institute of Information and Communication Technology

ADMIN ACTIONS

- Add Canteen
- View Canteen
- Credit Amount
- Debit Amount
- Change Password
- Logout

Show 10 entries Search:

User ID	First Name	Last Name	Balance	View Details Link	Re-Assign RFID	View Transactions	Deletion Link
201212036	Jay	Parikh	433	<a href="#">View Details</a>	<a href="#">Re-Assign</a>	<a href="#">View</a>	<a href="#">Delete</a>
201212065	Ashish	Singh	1358	<a href="#">View Details</a>	<a href="#">Re-Assign</a>	<a href="#">View</a>	<a href="#">Delete</a>

Showing 1 to 2 of 2 entries

First Previous 1 Next Last



## Admin Add Canteen

The screenshot shows the 'Add Canteen' page of the Cafeteria Management System. The page header includes the system name, balance (7988), and navigation links (Home, Users). The Dhirubhai Ambani Institute of Information and Communication Technology logo and name are prominently displayed. On the left, a sidebar lists 'ADMIN ACTIONS' including 'Add Canteen', 'View Canteen', 'Credit Amount', 'Debit Amount', 'Change Password', and 'Logout'. The main content area contains a form with the following fields: 'Canteen ID', 'Canteen Name', 'Owner Name', 'Password', and 'Confirm Password'. A 'Submit' button is located at the bottom of the form.

## Admin View Canteen

The screenshot shows the 'View Canteens' page of the Cafeteria Management System. The page header and sidebar are identical to the 'Add Canteen' page. The main content area displays a table of canteens with the following data:

Cafe ID	Cafe Name	Balance	Owner Name	View/Edit	View Transactions	Reset Password
c001	padma kamal caters	600	Mr. Iai	<a href="#">View/Edit</a>	<a href="#">View</a>	<a href="#">Reset Password</a>
Coo2	ShineStar	0	Ramesh babhu	<a href="#">View/Edit</a>	<a href="#">View</a>	<a href="#">Reset Password</a>

Below the table, it indicates 'Showing 1 to 2 of 2 entries' and provides pagination controls: 'First', 'Previous', '1', 'Next', and 'Last'.



## Admin Credit

The screenshot shows the 'Admin Credit' page of the 'Cafeteria Management System'. The browser address bar indicates the URL is 'localhost:8080/CMS/credit'. The page header includes the system name, a balance of 7988, and links for Home and Users. The main content area features the Dhirubhai Ambani Institute of Information and Communication Technology logo and name. On the left, an 'ADMIN ACTIONS' sidebar lists: Add Canteen, View Canteen, Credit Amount, Debit Amount, Change Password, and Logout. The central form, titled 'Recharge Balance', contains a text input field with a long alphanumeric string, a numeric input field with the value '300', and a 'Submit' button.

## Admin Debit

The screenshot shows the 'Admin Debit' page of the 'Cafeteria Management System'. The browser address bar indicates the URL is 'localhost:8080/CMS/debit'. The page layout is consistent with the previous screenshot, showing the system name, balance, and navigation links. The 'ADMIN ACTIONS' sidebar is identical. The central form, titled 'Debit Amount', contains three input fields: 'Enter the user ID', 'Enter the amount', and 'Enter the user Password', followed by a 'Debit' button.

## Admin Change Password

The screenshot shows the 'Change Password' page of the Cafeteria Management System. The browser address bar indicates the URL is localhost:8080/CMS/changePass. The page header includes 'Cafeteria Management System', 'Balance:7988', and links for 'Home' and 'Users'. The main header features the DA-ICT logo and the text 'Dhirubhai Ambani Institute of Information and Communication Technology'. On the left, an 'ADMIN ACTIONS' sidebar lists: Add Canteen, View Canteen, Credit Amount, Debit Amount, Change Password (highlighted), and Logout. The main content area contains a 'Change Password' form with three input fields: 'Old Password:', 'New Password:', and 'Re-type New Password:'. A blue 'Change Password' button is at the bottom of the form.

## Customer Home

The screenshot shows the 'Customer Home' page of the Cafeteria Management System. The browser address bar indicates the URL is localhost:8080/CMS/home.action. The page header includes 'Cafeteria Management System', links for 'Home', 'Fund Transfer', and 'Account', and a dropdown menu showing '201212065'. The main header features the DA-ICT logo and the text 'Dhirubhai Ambani Institute of Information and Communication Technology'. Below the header, there are three tabs: 'Purchase History' (selected), 'Recharge History', and 'Transfer History'. A 'Show' dropdown is set to '10' entries, and a 'Search:' input field is present. A table with the following columns is shown: Transaction ID, Canteen, Amount, Type, and Date/Time. The table body contains the message 'No data available in table'. At the bottom, it says 'Showing 0 to 0 of 0 entries' and includes links for 'Contact Us', 'Feedback', and 'FAQ'. Navigation buttons 'First', 'Previous', 'Next', and 'Last' are also present.


## Customer Recharge History

DA-ICT Captive Portal x 127.0.0.1 / localhost / cms x 127.0.0.1 / localhost / cms x Recharge History Page x

localhost:8080/CMS/rechargeHistory

Apps Monusoft Gujarati phpmyadmin localhost google gmail joomla error1 paypal india MD5 & salted hashe... Imported From Firef... My ABS Other bookmarks

Cafeteria Management System Home Fund Transfer Account 201212065

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Purchase History Recharge History Transfer History

Show 10 entries Search:

Transaction ID	Amount	Date/Time
18	350	11/20/13 7:24:42 PM.000
16	508	11/20/13 5:56:25 PM.000
15	500	11/20/13 5:55:09 PM.000

Showing 1 to 3 of 3 entries

Contact Us | Feedback | FAQ

First Previous 1 Next Last


## Customer Transfer History

DA-ICT Captive Portal x 127.0.0.1 / localhost / cms x 127.0.0.1 / localhost / cms x Transfer History Page x

localhost:8080/CMS/transferHistory

Apps Monusoft Gujarati phpmyadmin localhost google gmail joomla error1 paypal india MD5 & salted hashe... Imported From Firef... My ABS Other bookmarks

Cafeteria Management System Home Fund Transfer Account 201212065

 **Dhirubhai Ambani  
Institute of Information and Communication Technology**

Purchase History Recharge History Transfer History

Show 10 entries Search:

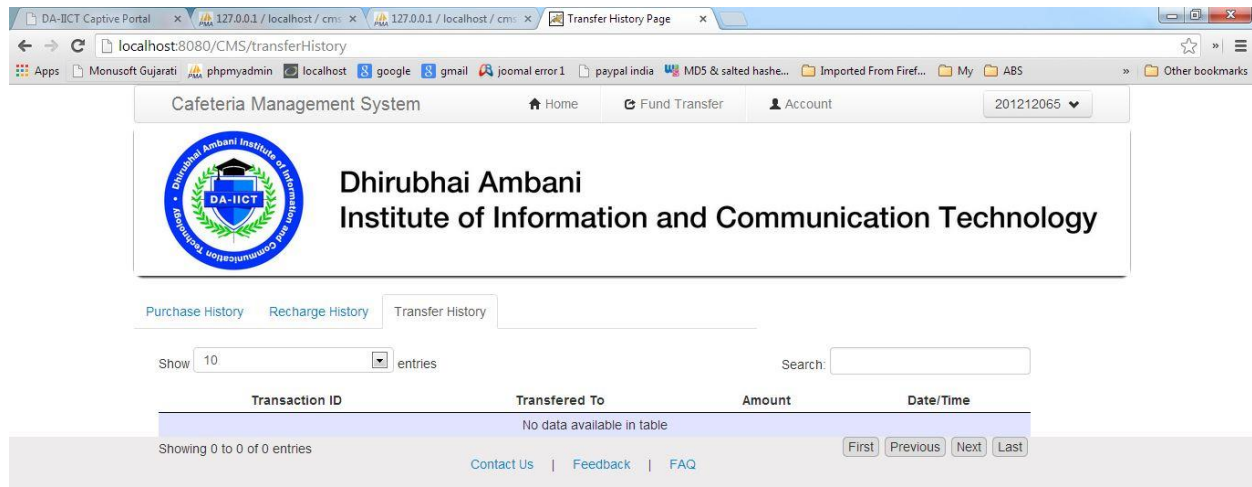
Transaction ID	Transferred To	Amount	Date/Time
No data available in table			

Showing 0 to 0 of 0 entries

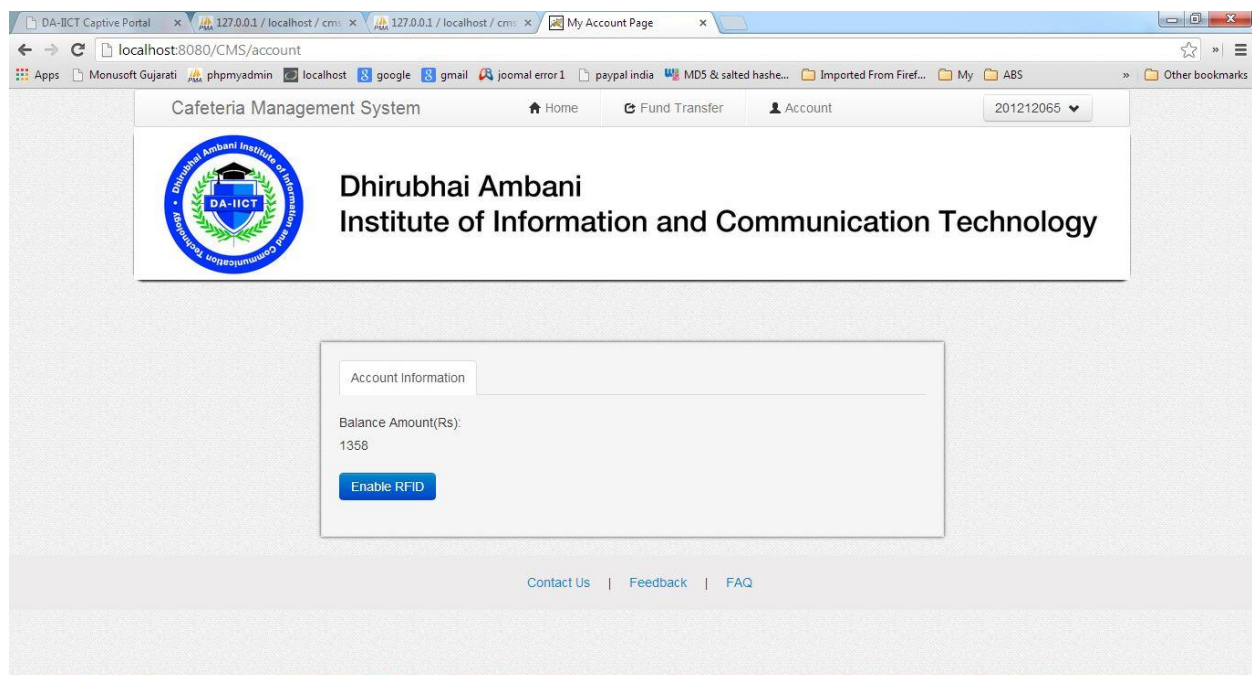
Contact Us | Feedback | FAQ

First Previous Next Last

## Customer Fund Transfer



## Customer Account





## Customer Update Profile

Profile

ID:  
201212065

First name:  
Ashish

Last name:  
Singh

Contact no:

Email:

Profile Photo:

## Canteen Home

Cafeteria Management System

Home Place Order c001

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Orders History Rolledback Orders Withdraw History

Show 10 entries Search:

Payer ID	Amount	Type	Rollback Link	Date/Time
admin	50	Withdrawn	---	11/20/13 6:00:37 PM.000
201212036	97	sold	<a href="#">Rollback</a>	11/20/13 4:36:14 PM.000

Showing 1 to 2 of 2 entries

First Previous 1 Next Last


localhost:8080/CMS/home.action#

## Canteen Rollback Order

The screenshot shows the 'Rollbacked Transactions' page of the Cafeteria Management System. The header includes the system name, navigation links for Home and Place Order, and a user dropdown menu showing 'c001'. The main header features the Dhirubhai Ambani Institute of Information and Communication Technology logo and name. Below this, there are three tabs: 'Orders History', 'Rollbacked Orders' (which is active), and 'Withdraw History'. A search bar and a 'Show 10 entries' dropdown are present. The table below has columns for Payer ID, Amount, and Date/Time, but it is empty with the message 'No data available in table'. Navigation buttons for First, Previous, Next, and Last are at the bottom.

Cafeteria Management System

Home Place Order c001

 **Dhirubhai Ambani  
Institute of Information and Communication Technology**

Orders History Rollbacked Orders Withdraw History

Show 10 entries Search:

Payer ID	Amount	Date/Time
No data available in table		


Showing 0 to 0 of 0 entries First Previous Next Last

## Canteen Withdraw History

The screenshot shows the 'Withdraw History Page' of the Cafeteria Management System. The header is identical to the previous page. The 'Withdraw History' tab is active. The search bar and 'Show 10 entries' dropdown are present. The table below has columns for Payer ID, Amount, and Date/Time, and it contains one entry. Navigation buttons for First, Previous, Next, and Last are at the bottom.

Cafeteria Management System

Home Place Order c001

 **Dhirubhai Ambani  
Institute of Information and Communication Technology**

Orders History Rollbacked Orders Withdraw History

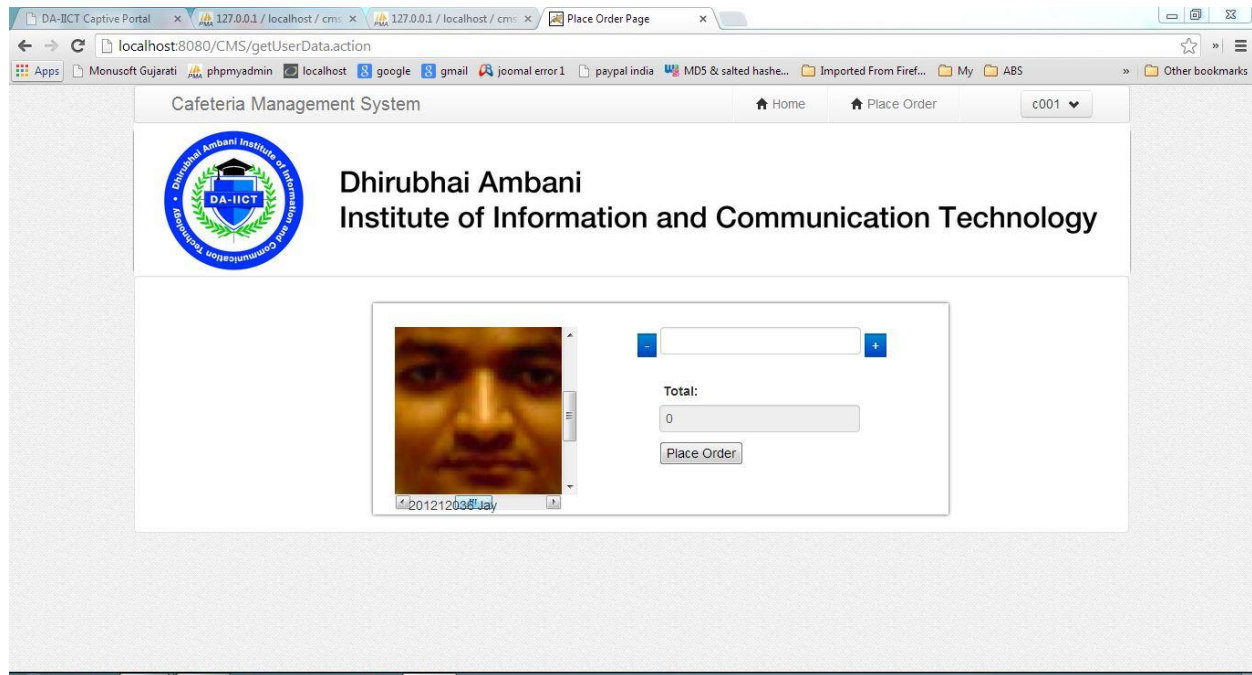
Show 10 entries Search:

Payer ID	Amount	Date/Time
self	50	11/20/13 6:00:37 PM:000

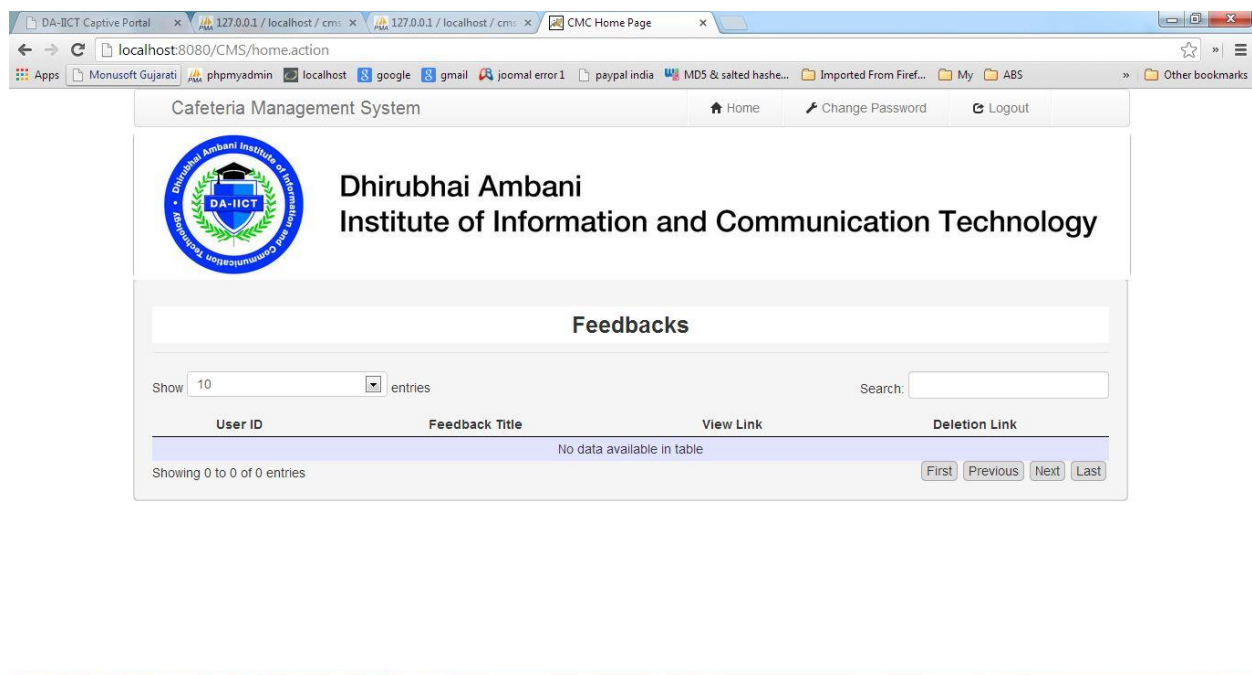
Showing 1 to 1 of 1 entries First Previous 1 Next Last



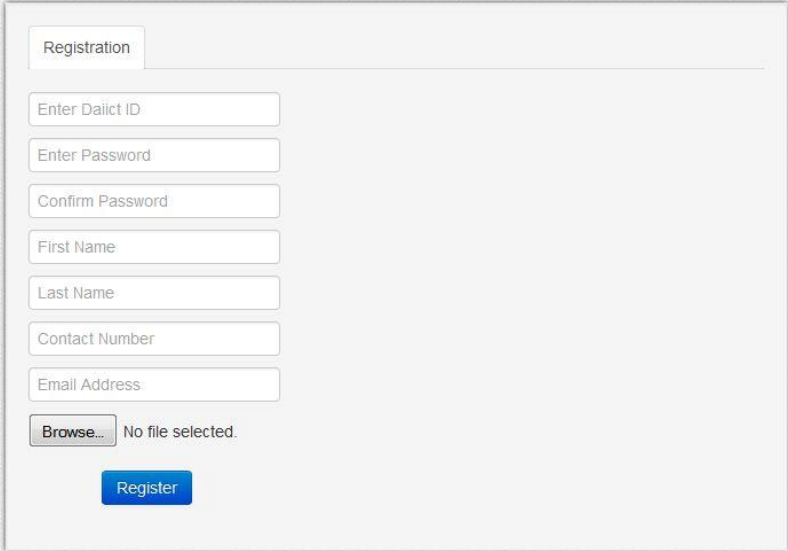
## Canteen Place an Order



## CMC Home

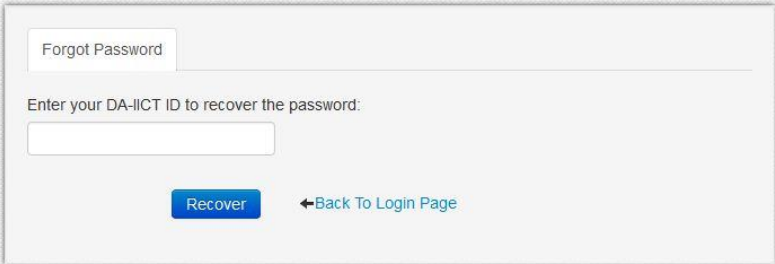


## Registration



The registration form is a light gray rectangular box with a title bar labeled "Registration". It contains several input fields stacked vertically: "Enter Daict ID", "Enter Password", "Confirm Password", "First Name", "Last Name", "Contact Number", and "Email Address". Below these fields is a "Browse..." button next to the text "No file selected.". At the bottom of the form is a blue "Register" button. Below the form box is a blue link labeled "←Back To Login Page".

## Forgot Password



The forgot password form is a light gray rectangular box with a title bar labeled "Forgot Password". It contains a single input field with the label "Enter your DA-IICT ID to recover the password:". Below the input field is a blue "Recover" button. To the right of the button is a blue link labeled "←Back To Login Page".