Objective:

To Develop a Food Ordering and Cafeteria Management App to provide food preordering option across the company campus and also monitoring quality factor across various Cafeterias.

Abstract of the Project:

The project is aimed at developing an online food pre ordering system for employees and monitoring and managing various cafeterias for Admin. This is a web based application that can be accessed over the web.

Functional Components of the Project:

In this project, there are seven independent modules and description about those functional components are:

User Code Module

1. 1: Signup:

For New Users, they have to first signup/register with the valid UserName, Employee id, password, Contact Number, Mail Id, Security Question and its answer .

* UserName is combination of UperCase alphabets and white spaces (cannot be empty).
* EmployeeId is combination of numbers and alphabets. Should contain exact 6 digits (cannot be empty).
* Password can be any number of charecters (cannot be empty).
* Contact number should be valid Mobile Number beginning with any of digits from 6 to 9 and should be of exact 10 digits (cannot be empty).
* Mail id should be validated with the defined regex pattern (cannot be empty).
* Security question is to be selected from drop down menu.
* Answer of the security question should have atleast 5 charecters.

1.2: Login:

For registered Users, they can Login into the system using registered UserName and Password.

* UserName and password should map with existing username and password in database.

1.3: Recover Password:

In case , User has forgotten his password, he/she can recover it by answering the security question he has answered while registering into the web app.

1.4: Change Password:

In case, the user wants to change his/her existing password, they can change after Logging into the app with their valid credentials. He/She should again set the password according to Password rule defined.

1.4: Logout:

The user can Logout at any point he wants to end the existing session.

Cafeteria Code Module:

Cafeteria Admin can add/update/view/delete cafeteria information in this module. Employee can view Cafeteria details

1.1: Add new Cafeteria:

* Cafeteria Id will be auto generated and should be of 4 digits.
* Cafeteria Location should begin with Capital letter and should be a valid location having only characters.
* Cafeteria Menu can contain any specified food item.

1.2: Update existing Cafeteria:

* Cafeteria Location and it’s menu can be updated using existing Cafeteria Id according to defined validation rules.

1.3: Remove existing Cafeteria:

* Any existing cafeteria can be removed from the app by admin using existing cafeteria Id.

1.4: View existing Cafeteria :

* Any existing cafeteria details can be viewed by Admin/Employee by fetching criteria like fetching through Id and Location.

Menu Code Module:

Cafeteria Admin can add/update/view/delete cafeteria menu in this module. Employee can view Menu details. Employee only has privilege to view menu according to specified cafeteria location.

1.1: Add Menu details:

Menu Details will be added according to the respective cafeteria Location.

* Item Id will be autogenerated.
* Cafeteria Id needs to be specified for which menu details are added. Provided Cafeteria Id should match with existing cafeteria Id.
* Price of item should be valid numeric entry.
* Type of food item should contain characters only.

1.2: Remove Items Menu:

* Any existing food item from Menu can be removed using existing item id and cafeteria id.

1.3: Update Menu Details:

Any existing menu details can be updated.

* Item type can be updated using Item Id and its Cafeteria Id.
* Item price can be updated using Item Id and its Cafeteria Id.

1.4: View Menu Details:

* Menu Item details can be fetched using its item id and cafeteria id.
* All item details in menu can be viewed using cafeteria id it belongs to.
* Menu details can be viewed by employee using Location attribute of Cafeteria.

Order Code Module:

Employee can place and view his order from menu. Admin can view all the placed orders.

1.1: Place Order:

Employee can place order.

* Order Id will be auto generated.
* Quantity option is provided through a dropdown menu.
* Items should be selected from menu.
* Payment type should be mentioned by user. Options are provided using drop down menu.

1.2: View Order:

* Employee can view any of his placed order using order Id.
* Employee can view all of his placed orders.
* Admin can view orders according to employee id, specified date.

1.3 Filter Order:

* Admin can view orders filtered by any particular item id.
* Admin can view orders according to specified price range.

Review Code Module:

Employee can add/update/view/remove review and rating for Cafeteria service using cafeteria location. Employee can also add/update/view/remove rating and review for particular item in a menu of specified location. Admin can only view all the reviews and ratings.

1.1: Add review and rating:

* Review/Comment can be combination of alphanumeric characters. Review should not exceed more than 200 characters.
* Rating should be anywhere between 1-5.

1.2: Update review and rating:

* Employee can update/edit his existing review or rating for particular cafeteria/item.

1.3: Delete review and rating:

* Employee can delete his existing review or rating for particular cafeteria/item.

1.4: View review and rating:

* Employee can view all ratings according to specified cafeteria and item from a specific location.
* Admin can view all the reviews and ratings according to the provided location.

Blog and Helpdesk Code Module:

1.1 Add Blog:

Employee can create a blog

* Author name will be same as of username
* Title will be characters having minimum size of 5
* Creation date will be date
* Content will be character with minimum size of 100 words

1.2 View Blogs

Employees as well as admin can view all the blogs

* Can view the blogs by creation date

1.3 Raise a query

Employees can raise a query on an order

* Order ID is self-generated foreign key from orders
* Request will be a character string

1.4 View Unresolved Queries

Admin can view all the queries which are unresolved raised by employees

1.5 View Resolved Queries

Admin can view all the unresolved queries raised by employees

Employee can view responded query

1.6 Resolve Query

Admin can resolve queries whose status is unresolved