DA-IICT, Gandhinagar

Winter 2022

IE314 - Software Engineering Project Proposal

Project Detail Document

Group number: 41

Title of Group Project: FoodShades

Group Members:

Harmi Shah (201901007)
Nirali Odedara (201901115)
Foram Mehta (201901127)
Pratyaksha Maheshwari (201901282)
Dharti Ikharwala (201901243)
Keyur Champawat (201901458)

Name of the reporting TA - Vaishnavi Mam

Date: 25/03/2022

Version number: 1

Start Date: 28/02/2022**, End Date:** 13/05/2002

Objectives of the Project: The purpose of the project is to build a website program to reduce the manual work for managing the item category, Food, Customer, Delivery address.

Functionalities:

- Online Food Ordering System is a part of e-commerce. E-commerce through the net means distributing, buying, selling, marketing, and servicing of products or services over electronic systems such as the Internet and other computer networks. Thus if we own a restaurant we need to Upload menu online to attract potential Customers.

- The purpose of this proposal is to build a subscription based online food ordering web application. This application provides a view of current food information (category, name, image, price, description etc.) on the website.

- For the administrator in a restaurant, this application offers a series of operations to add, update, delete and query the information of food, food order and employees.

- The customer details would also be stored by the database which includes information like the customer's name, order history, contact number, payment details, subscription details, address etc.

- The application will provide monthly and yearly subscriptions which are silver, gold and platinum. This offers discount coupons, promo codes and cashback.

- Platinum subscription includes free delivery, promo codes upto 40% discount, and cashback on online payments.
    i) Gold subscription includes free delivery and promo codes.
    ii) Silver subscriptions include free delivery.
    iii) Customers can provide cooking and delivery instructions based on their needs.

- They can also place an order in advance so that they don’t need to worry about any hassles.
- The customers can give ratings and also read and write reviews.
- Customers can view the process of tracking the preparation of food and food arriving time.
- Customers also have access to the contact details of the delivery person.
- Login and Logout option for users.
- Edit Profile for users.
- Users can Change Passwords.
- Customers can also give their feedback on appropriate orders.
- Customers can add restaurants in the Favorite list.

Project Deliverables:

Milestones:

- Project Proposal
- Project Detail Document versions
- Weekly status report versions
- Create SRS
- Analysis
- Design
- Coding and testing

Estimated total time:

- Data collection:3 hours
- Requirements Gathering:3 hours
- Research:3 hours
- Preparation of Report: 3 hours
- Data Analysis:3 hours
- Total Time:18 hours

H/W and S/W requirements:

- Hardware requirements:
    1. 256 MB RAM
    2. 1 Gb hard free drive space
- Software requirements:
    1. HTML
    2. JavaScript
    3. Operating System:Windows 10
    4. CSS

Technology / Architecture :

- Web application by using Front-end(HTML, CSS, JS), Back-end (NodeJs, ExpressJs,Django), Database (PostgreSQL,Firebase)

Standards to be followed:

- Camel casing naming convention for variables and functions.
- Class names should begin with a capital letter.
- A separate file for all utility functions.
- All files will have the author name and last modified time on the top of the file in the form of comments.
- Global variables names should start with a capital letter.
- Names of constant/final variables should have all capital letters