Project Description Of

Food Recipe App

'RICETTA'

under Software Engineering, I Analysis, Design, Testing CSE-5324

BY

Group No: 11

Group members:
1. Mrunmai Magar
2. Neha More
3. Utkarsh Sonawane
4. Tanmay Kakade
5. Aditya Vichare

2. App name: RICETTA

A meal recipe application called Ricetta allows users to prepare their preferred meals whenever and wherever they choose. When you don't know how to cook and you live away from home, this application is incredibly helpful. For instance, during Covid-19, many individuals were trapped in their houses because they lacked cooking skills and were unable to place any kind of order. In such circumstances, our app will be of assistance. In order to keep you healthy, it will recommend meals that fit your preferences and inform you of the nutritional worth of the food
you are consuming.

3. Functions

A. Function 1: **Display Categories**
A user can choose an option from the selection pane for this function to separate recipes into categories. The choices are divided into groups based on the different types of meals a user can choose in accordance with his tastes. Breakfast, salads, soups, etc., as an example.

B. Function 2: **Suggest Similar recipes**
The application will suggest recipes of similar kind based on the choice user has chosen. This feature can be useful to get a variety of similar choice.

C. Function 3: **Nutrition chart**
A lot of people prefer their diet to be balanced, healthy diet. One can maintain track of their consumption by using this tool, which allows users to learn the nutritional values of a chosen recipe.

D. Function 4: **List of Ingredients**
To cook a recipe, a user must first know what ingredients he/her has on hand, so our app provides a list of ingredients based on the recipe selected.

E. Function 5: **Time required**
Once a user selects a recipe to follow, this functionality allows him to check for how much preparation time and cooking time is required.

F. Function 6: **Number of Servings**
According to the quantities of ingredients added using the recipe, this feature tells user about how many people can have the dish.

G. Function 7: **Stepwise cooking process**
This gives a complete description and instructions about how the dish should be prepared, cooked, and served.

H. Function 8: **Feedback and Ratings**
With the use of this feature, users can rate or comment on a recipe for future users, giving them useful information about any improvements that might be made.

I. Function 9: **Add Favorites**
The recipes can be added to the user's favorite favorites lists, making it simple for them to access them.

J. Function 10: **Create Daily/ Weekly Menu**
This provides users the flexibility to create a daily or weekly meal based on their preferences.

4. Resources provided by the phone infrastructure will be required to implement the app functionality:

connectivity options – internet connectivity required
database system used: Firebase/ Sql
Required OS: Android 7.0 and up
RAM: 2GB and up
Memory required: minimum 50 Mb free

5. Experience level of team members:

1. Mrunmai Magar: Experience Level: Beginner

    Project Name: MyCalculator

    Project Description: Built the MyCalculator Android app using Java. The application's functionalities include addition, subtraction, multiplication, and division as well as other arithmetic operations. This knowledge will assist us in designing the user interface for the application as well as in doing mathematical computations like cooking times, also in documentation of the project. The program was tested using unit, integration, black-box, and white-box testing.

    Programming Language used: Java

    Testing: Unit, Integration, Black-Box, White Box testing.

2. Neha More: Experience Level: Beginner

    Project Name: Smart Complaint Box

    Project Description: The project's goal is to create the "Smart Complaint Box" application, which will allow users to register complaints and find out information about their location and address problems online without having to visit an officer repeatedly until the issue is resolved. The people can eliminate corruption in government agencies and save time using this technique. Its main goal is to offer an intuitive and simple method using Android. This knowledge will help us to work with database and design UML diagrams in our ongoing project.

    Programming Language used: Java

    Database: MySQL

    Testing: Unit, Integration, GUI, White-Box Testing

3. Utkarsh Sonawane: Experience Level: Beginner

    Experience: Attended a workshop on Android Studio

    Project Name: Smart Blood Bank

    Project Description: Using this application the patient can request for Blood and the nearest donor gets a notification that someone needs blood. Using this application, it becomes easy to find a blood donor in less time. This experience will help us in various areas of our project like maintaining database, creating account etc.

    Database Used: Firebase

    Testing: Unit, Integration, GUI, White-Box Testing, Acceptance Testing.

4. Tanmay Kakade: Experience Level: Beginner

    Experience: Attended a workshop on Android Studio

    Project Name: Rent Management System

    Project Description: The management of housing rent was the focus of this application's creation. Owners will have less work to do and will be able to manage their properties more effectively if they use this application. It keeps track of information about tenants and their rent. It determines the entire rent, which accounts for utilities like electricity, water, and gas, and divides it among the renters, making things simple for the landlord and saving them time. This experience will help us in areas like registering customers, division of recipes and ingredients, documentation of the project and designing UML diagrams.

    Database Used: MySQL

    Testing: Unit, Integration, GUI, White-Box Testing, Acceptance Testing.

5. Aditya Vichare: Experience Level: Beginner

    Experience: Undergraduate degree project

    Project Name: Medical Assistance Application

    Project Description: Built a Medical Assistance App using programming languages like Java and XML. Using this application, the user can login to find nearby Hospital details along with the list of available doctors and their contact information, as also book an appointment with them. The user can also find information related to the medical stores and available medicines, Clinics nearby the user's location and Blood Banks.

    Database Used: MySQL

    Testing: Unit, GUI, White-Box Testing, Acceptance Testing.