Software Requirement Specification Document For Food Recipes Mobile App

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Table 1: Document version history

Version	Date	Reason for Change
1.0	15-Aug-2021	SRS First version's specifications are defined.
1.1	24-Aug-2021	Phase one
1.2	9-Sep-2021	Final phase

GitHub: https://github.com/Amal-Safwat/Amal-Safwat/projects

Contents

Abstract

The project is intended to have a simple user interface that allows the user to find and view different food recipes based on different inputs such as, the type of food, the cuisine, and the food course. The user can then filter the list of recipes based on the ingredients used in the recipe, as well as the serving size and the time it takes to make the food. He or she can then look at the information for the desired recipe by choosing that recipe from the provided list. In addition, the user can add his or her own recipes to the database.

1 Introduction

1.1 Purpose of this document

The purpose of this project is to elucidate the requirements to build a food recommendations system. These requirements include adding food recipes, viewing them, and rating them based on their quality. The aim of this project is to offer an easier and more organized way for people to share a variety of food recipes with each other. Depending on the reviews given to each recipe, the application will keep the user updated with the finest recipes and the latest food trends. Moreover, the user can view a dish of his choice and choose his desired recipe based on the reviews shown.
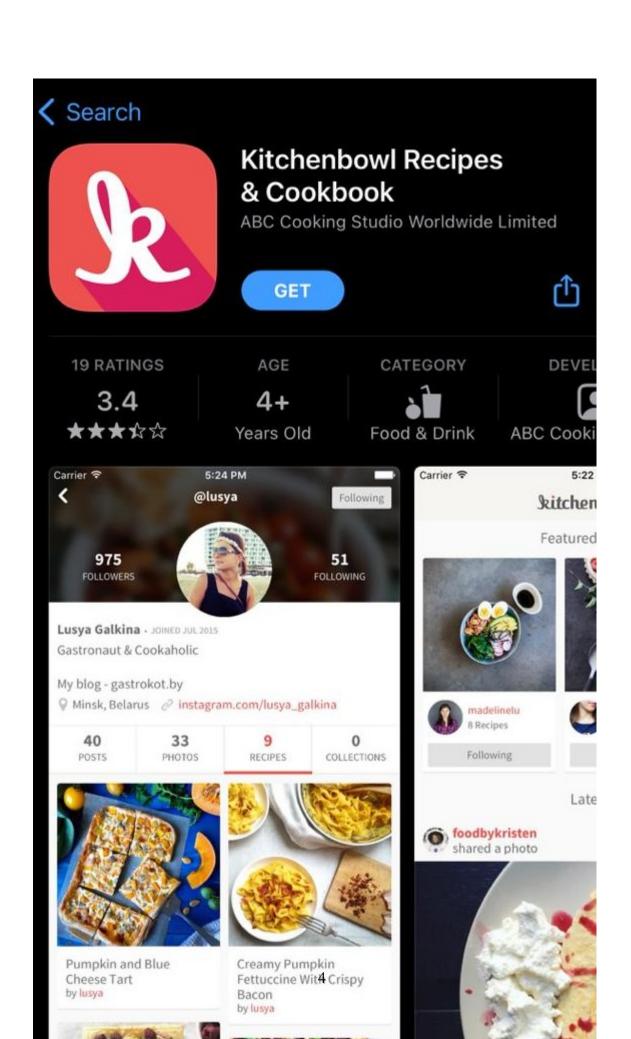
1.2 Scope of this document

The scope of this document is to show the basic outlines of our system requirements in order to understand our app and the issues we may face .

1.3 Business Context

The main goal of the project is to build a well-developed mobile application for managing and organizing food recipe recommendations system. The system aim to reduce time and complexities for the users, by making it much easier to search and save a desired recipe. Moreover the system saves user time by making him able to view the reviews and rates for each recipe to choose a well-cooked food.

2 Similar Systems

Kitchen bowl Recipes Cookbook. This application is available for installation by any user in need through the apple store. It is a platform for people who are passionate about cooking where they can create and share their favorite recipes.

Kitchenbowl Recipes & Cookbook

ABC Cooking Studio Worldwide Limited

GET

19 RATINGS	AGE	CATEGORY	DEVEL
3.4 ★★★⯪☆	4+ Years Old	🥤 Food & Drink	ABC Cooki

Carrier 🤝   5:24 PM

@lusya   Following

975 FOLLOWERS   **51** FOLLOWING

Lusya Galkina · JOINED JUL.2015

Gastronaut & Cookaholic

My blog - gastrokot.by

📍 Minsk, Belarus   🔗 instagram.com/lusya_galkina

40 POSTS	33 PHOTOS	9 RECIPES	0 COLLECTIONS

Pumpkin and Blue Cheese Tart
by lusya

Creamy Pumpkin Fettuccine With Crispy Bacon
by lusya

Carrier 🤝   5:22

kitchen

Featured

madelinelu
8 Recipes

Following

Late

foodbykristen
shared a photo

4

3   System Description

3.1   Problem Statement

In various social media platforms, the user finds it difficult to determine if a recipe is worth trying, as there are a lot of recipes placed upon him. Moreover, the recipes and the information relevant to the user are sometimes unclear due to the disorganization of the system. To solve this problem, this application offers the information desired by the user in an effortless and more organized way.

3.2   System Overview

The Food recommendation system is developed to predict the preferences of users to certain recipes.The software would be managed by two the admins and the users. The admin can view all user's details and will be in charge to control everything in the system including banning any user for any misbehave comment or any problem in the system . The user can post a new recipe,rate any new post and comment on them.The system also offers the user to save any post to there favorite items.

3.3   System Scope

The scope of this document is to show the basic outlines of our system requirements in order to understand our system and the issues we may face .

3.4   System Context

State the context of the system, the boundaries of the system and if the system interacts with any external component. Show all this in a Context Diagram also.

3.5   Objectives

This section describes the set of objectives and requirements for the system from the user's perspective. It may include a "wish list" of desirable characteristics, along with more feasible solutions that are in line with the business objectives.

3.6   User Characteristics

There are two main users in the system.
   Admin: The main role of the admin is controlling the whole project. He is able to view the shared recipes and delete the unwanted posts or comments. Moreover the admin can ban any user after being reported for his unacceptable behavior. Users: Users can post a various recipes. They can search for a desired recipe, rate it and save it.

4   Functional Requirements

4.1   System Functions

1-Create User.
  2-Check email validation.
  3-Check password validation.
  4-login.
  5-Forget Password.
  6-Create user.
  7-Delete user.
  8-Search Recipe.
  9-Rate.
  10-Save favorite.
  11-Report.
  12-view notification.
  13- send notification.
  14-Create post.
  15-Update post.
  16-Delete post.
  17-Delete Comment.
  18-Comment or review.

5   Interface Requirements

5.1   User Interfaces

Describes the graphical user interface if present. This section should include a set of screen dumps or mockups to illustrate user interface features. If the system is menu-driven, a description of all menus and their components should be provided.

5.2   Hardware Interfaces

Describes interfaces to hardware devices. (According to your Project)

6   Non-functional Requirements

1-Reliability:Good validations of user inputs will be done to avoid incorrect storage of records.
  2-Portability:This system can be installed on any smart phone supporting android and IOS.
  3-Security: only the users are allowed to use the application.
  4-Maintainability: The software system should be designed to be easily maintained and improved by software developers through the implementation of MVC design patterns so that helps a lot in maintaining the software system, and minimize the amount of changes that will be done in the code

7 Data Design

7.1 Data Description

1. The system must be fully dynamic,in which the admin is fully controlling the system

2. The users must be able to control their information

3. The user must be able to post the recipe he/she want to share on his/her profile.

4. The user must be able to comment,rate and save any post.

5. The user should be able to report any post.

6. The user must be able to search for any recipe.

7. The admin must be able to view any reports that are added by users against certain comment or post for safety.

8. The system must observe a statistics that is based on the ratings that shows the most trending food recommendations to all the users.

7.2 Database design description

Describe any databases (provide database schema diagram) and/or description of other data storage items. (According to your Project)

8 Operational Scenarios

This section should describe a set of scenarios that illustrate, from the user's perspective, what will be experienced when utilizing the system under various situations. In the article Inquiry-Based Requirements Analysis (IEEE Software, March 1994), scenarios are defined as follows: In the broad sense, a scenario is simply a proposed specific use of the system. More specifically, a scenario is a description of one or more end-to-end transactions involving the required system and its environment. Scenarios can be documented in different ways, depending up on the level of detail needed. The simplest form is a use case, which consists merely of a short description with a number attached. More detailed forms are called scripts. These are usually represented as tables or diagrams and involved identifying an action and the agent (doer) of the action. For this reason, a script can also be called an action table. Although scenarios are useful in acquiring and validating requirements, they are not themselves requirements, because the describe the system's behavior only in specific situations; a specification, on the other hand, describes what the system should do in general.

9 Project Plan

Table 2 shows the project plan.

Table 2: Project time plan

Task	Date
1-SRS	15/8/2021
2- Phase one	20/8/2021
3- final phase	9/9/2021

10 References

" Kitchenbowl recipes cookbook," 2017. [On-line].Available:https://apps.apple.com/eg/app/kitchenbowl-recipes- cookbook/id831037164