



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

SECD2613 : System Analysis and Design

Project 2 : Task Management System

Project Title :

Dap Recipe

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Table of Contents

<i>1.0 Overview Of The Project.....</i>	<i>3</i>
<i>2.0 Problem Statement.....</i>	<i>4</i>
<i>3.0 Proposed Solutions</i>	<i>5</i>
<i>4.0 Information Gathering Process.....</i>	<i>6</i>
<i>5.0 Requirement Analysis (based on AS-IS analysis).....</i>	<i>7</i>
<i>6.0 Summary of Requirement Analysis Process</i>	<i>10</i>

1.0 Overview Of The Project

The Dap Recipe System is a system that focuses on the handling the wide range of recipes that can be found across the world. This system provides users the ability to search, upload, edit, store and also delete the recipes that they found on this system. By creating a huge community based on this system, the people around the world can easily access the recipes that they want that they could implement in their daily life. This system also provides the ability to talk with other users in a forum-style platform. This helps our users on communicating about the recipes that they wanted to do in their daily life. By implementing these features, we can help the people from multiple backgrounds and various culture to share and find the recipes that they wanted.

2.0 Problem Statement

1. Inefficient Functions Management

Inefficient Functions Management refers to the poor management of the recipes that are being used in the current system. The current system which is the manual system, requires that the user to manually search and delete the recipes that they wanted. This provides a huge time wastage and high cost are being used. The users need to manually search the recipes that they wanted, either by asking friends or local community. This provide little coverage of searching. They also need to manually write the recipe and delete the recipes manually by tearing up the paper that are used when writing the recipes. This cost the user a high usage of paper and the errors that could occur in this process lead to the inefficiency of this manual system.

2. Poor Storing Management

Due to the manually system that are used, the storing of the recipes are easily lost due to the fact that it is manually stored. Manually stored in this case refers to the recipes are stored in a file or document in hardcopy in the physical world. This can lead to the lost of the recipes or data if any unexpected circumstances occur or the human error happens.

3. Poor Communication Platforms

The use of various communication tools, like separate mailing and chatting apps, often means these systems are developed independently and lack integration with task management systems. This lack of integrated communication hinders real-time collaboration and instant feedback. Thus, the delayed responses from team members slow down project progress, resulting in missed deadlines.

3.0 Proposed Solutions

DapRecipe

The solution that we have come up with is DapRecipe, a online library full of recipes that can be added by the users that want to add their recipes and can share it with everyone using the platform with dynamic features that enhances users experience creating an enjoyable and organized experience for the users.

Key Features

- Scalable: Optimized for large numbers of users at a time.
- User Friendly Interface : Conveniently stores and organizes recipes in personalized categories.
- Multi-Device Support: Access the app on phones, laptops, or tablets for convenience.
- Interactive Forum: A forum for users to share opinions, culinary tips, and tricks.
- Recipe Uploads : Users can upload their own recipes to share with the community.
- Profile Customization: Allow users to create and customize their profiles.
- Recipe Alterations: Modify and improve existing recipes with new ingredients or methods.
- Organize Recipes : Create folders and tags for better recipe organization.
- Search Functionality: Search recipes by ingredients, categories, or names.

4.0 Information Gathering Process

4.1 Technique Applied

- **Online Research**
Monitor cooking forums, social media groups, and online communities to understand common user problems and desires.
- **Market Research**
Analyse existing recipe management apps to identify strengths, weaknesses, and gaps in the market.
- **User Surveys**
Distribute surveys to potential users to gather insights about their cooking habits, preferences, and the need for an online recipe platform

4.1 Summary from Methods Used

- **Synopsis of the User Surveys**
After surveying over 50 people, ranging from restaurant cooks, students, home cooks and world renowned chefs, the existence of an online recipe platform would be beneficial for all parties involved as the lack of utility that exists on existing platforms have been a major issue, Having one that has a wide range of feature is certainly welcomed to the culinary world.

5.0 Requirement Analysis (based on AS-IS analysis)

5.1 Current Business Process

In the current system that are being used :

- The recipes are hard to find, as the user need to go through the internet to find recipes that are aligned with their cooking.
- The recipes that are found are hard to be stored, as they are no proper place to store the recipes.
- The current system provides a hard way on how to communicate between people who cooks, as they are no proper platform to be used for them to communicate

5.2 Functional Requirements

- Input : User Informations, Recipes, Ingredients to the recipe, Texts for Forums
- Process : Uploading Recipes, Typing for Forums, Store Recipes, Edit Recipes, Delete Recipes
- Output : Recipes, Texts in Forums, User Interface

5.3 Non-Functional Requirements

Performance :

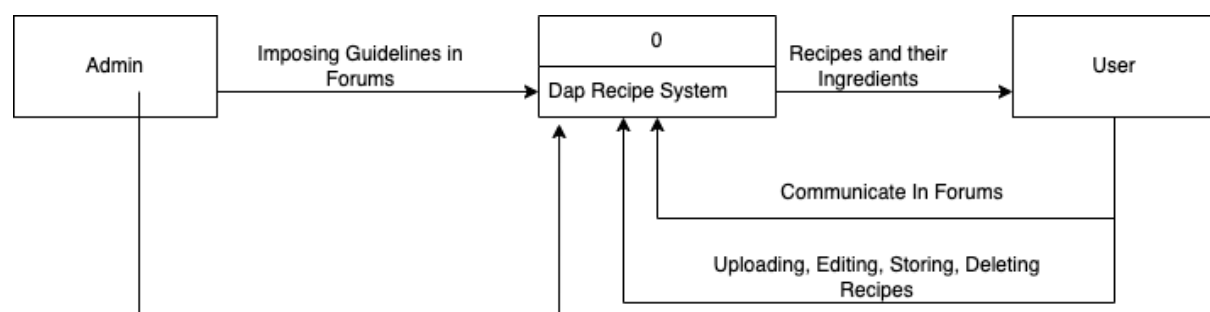
- The system should support a wide range of users, regardless of the specifications of their devices.
- The system should support a huge number of users

Control :

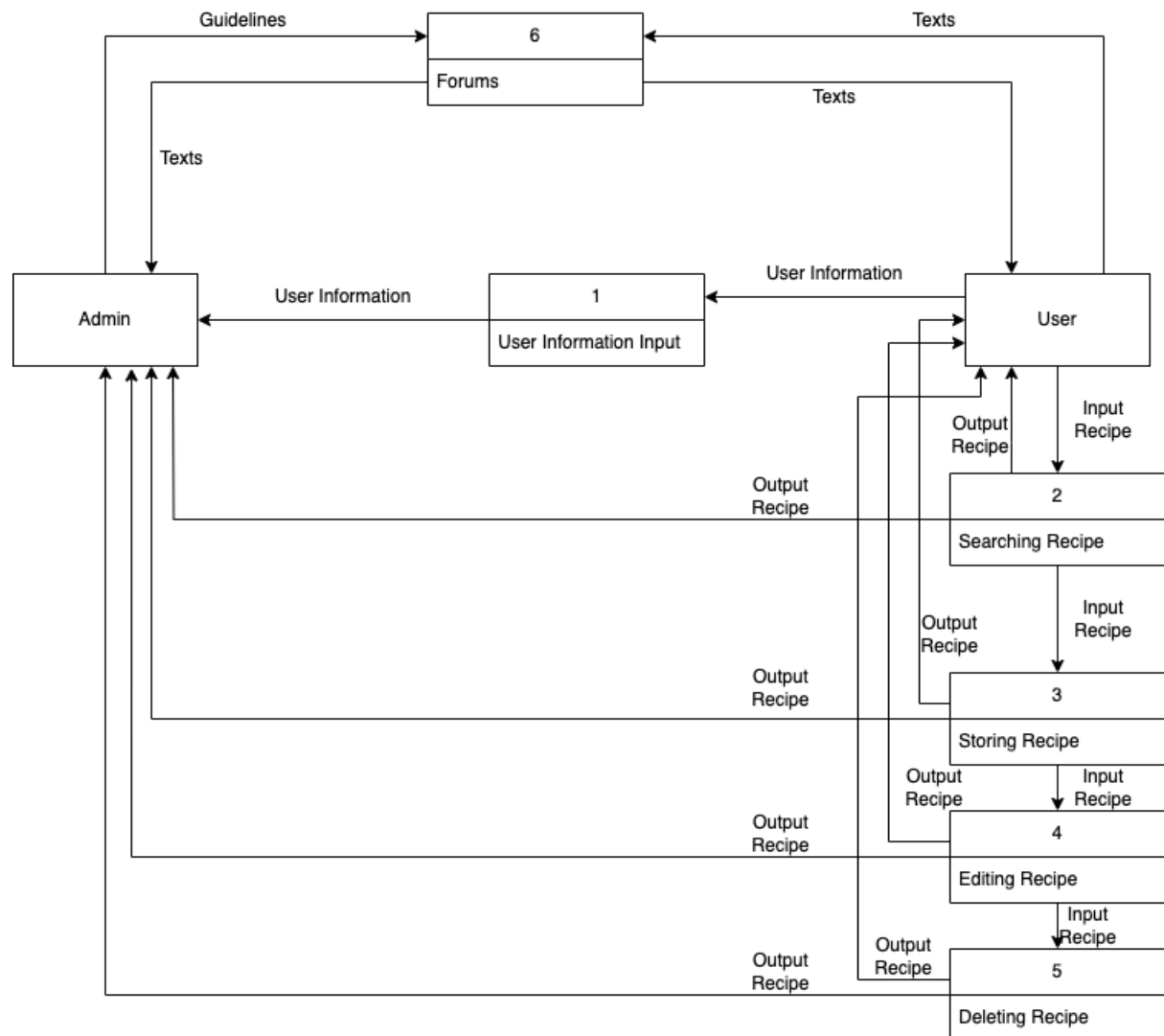
- The system should ensure data security and privacy especially for the user credentials that are being inputted in
- The system should implement cyber ethics and guidelines in the forum that are used for the users to communicate in the application.

5.4 Logical DFD AS-IS System

5.4.1 Context Diagram

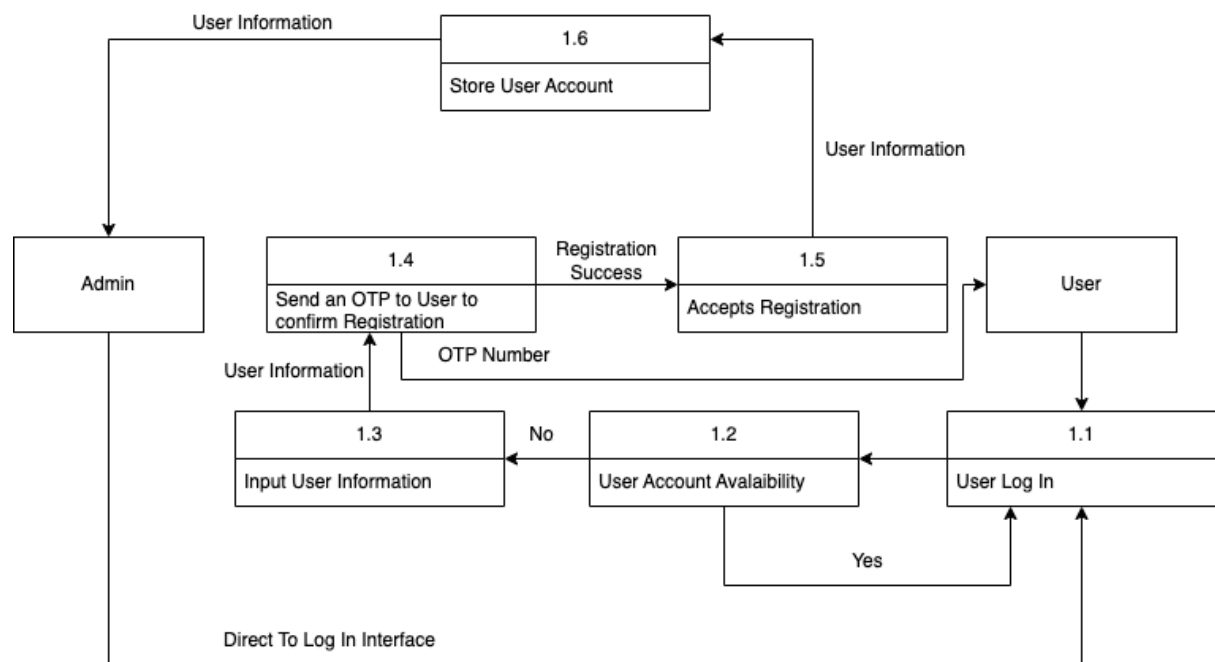


5.4.2 0 Diagram



5.4.3 Child Diagram

Example Of Child Diagram (1 : User Information Input)



6.0 Summary of Requirement Analysis Process

By using various methods that uses the interview process through the questionnaires and observations, we managed to get the inputs from the stakeholders that are used primarily for our requirement analysis. This shows that integrated communication alongside with efficient follow-up progress from the development team to the stakeholders are crucial for this project management. The functional and non-functional requirements are the base or the primary guidelines for us to follow in any possible situations and circumstances that could happened. This requirements also provides the insights that will drive the development of our Dap Recipe System.