**myRecipes Application Project Proposal**

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**A.** **Executive Summary**

The myRecipes application allows users to create an account to organize, store, and share their recipes online. Users can input and edit recipe details, including ingredients, quantities, cooking instructions, and other information.

Users can publish their recipes to the community and receive feedback and ratings.

They can search and explore user recipes, save favorites, and create personalized collections. 

**B.** **Business Objectives**

1. ***Business Need/Opportunity/Objectives***

The myRecipes application aims to capitalize on the digital shift of home cooking and recipe sharing, providing value for customers and businesses.

* Users can store all their recipes in a single place, making it easier than dealing with numerous recipe books or scattered notes.
* Because the application is web-based, users can access recipes from any device with an internet connection.
* The application facilitates social interaction, making cooking more socially engaging and enjoyable.
* The application also enhances personalization, allowing users to easily save and categorize their recipes according to their needs and preferences.

1. **Product Description (Solution)**

* The product will allow users to create, organize, store, and share their recipes online. Users can easily input and edit recipe details, including ingredients, quantities, cooking instructions, and other information.
* Users can search through an extensive collection of community recipes, save favorites, and create personalized collections for quick access.
* The product enables users to publish and share their recipes and receive feedback and ratings from the community.

**Benefits of the Project:**

* **Enhanced Recipe Management:** The myRecipes app provides a user-friendly and organized platform for managing recipes.
* **Accessibility and Flexibility:** Because the product is web-based, the application ensures easy and widespread access to recipes from any device with internet connectivity.
* **Personalized Recipe Discovery:** The app enables users to discover new recipes tailored to their preferences, expanding their culinary repertoire.
* **Community Engagement:** By allowing users to share recipes, receive feedback, and connect with others, the app fosters a sense of community and inspires culinary creativity.

**Criteria for Project Success:** 

The success of the myRecipes app will be measured by the following criteria:

**User Engagement:** Increased user engagement, including the number of active users, recipe submissions, and community interactions, will indicate the app's success in fostering a vibrant and engaged user community.

**User Satisfaction:** Positive user feedback, ratings, and reviews will demonstrate that the app is meeting users' expectations and providing a valuable solution for recipe management and culinary exploration.

1. **Deliverables**

The myRecipes application project will produce the following deliverables:

**User Interface Design:** The application will be intuitive and user-friendly. It will include the following:

1. **Homepage**: provides an overview of the application and featured recipes.
2. **Login and Registration Page:** enables user account creation and authentication
3. **User Profile Page:** Displays user information, recipes, and favorites.
4. **Recipe Creation Page**: allows users to create, edit, and organize their recipes.
5. **Recipe Search Page:** allows users to find new recipes based on various search criteria.

**User Registration and Authentication:** The application will allow users to create and manage an account using standard authentication procedures.

**Recipe Management System:** The application will include a comprehensive recipe management system, allowing users to create, edit, and store their recipes digitally. It will provide features such as recipe input forms, cooking instructions, notes, and the ability to categorize and organize recipes.

**Search  Features:** The app will enable users to discover new recipes based on various criteria.

**Social Sharing and Community Features:** The app will include features for users to share their recipes with others, add photos, and interact with the community by commenting, rating, and saving recipes from other users. 

**Database Design:** The application will feature a well-designed database schema for storing user data and recipes. 

**Cloud Hosting Service:** The myRecipes application will utilize Heroku or Azure cloud-based hosting services for deployment and operation.

**Documentation:**

The project will include a TAC Technical report, including user stories, iteration and release plans, design documents, progress monitoring, a comprehensive testing plan, and other additional project documentation.

**Exclusions:**

**The following items are excluded from the project scope and will not be delivered as part of the myRecipes application:**

**1**. Recipes Data: The project will not include specific data for recipes. Users will be responsible for inputting their own recipe data during the usage of the application.

**2.** Servers: The project will not provide physical server infrastructure.

**C.** **Project Description**

1. **Scope**

**Includes:**

**Recipe Repository:** A comprehensive database to store and display a wide range of recipes, with backend support to support CRUD (Create, Edit, Update, and Delete) operations.

**Search and Filtering:** Users can search for recipes based on different criteria such as ingredients, dietary preferences, cooking time, etc.

**User Registration and Profiles:** Secure user registration and authentication. Users can create accounts, save favorite recipes, and customize their preferences.

**Recipe Submission and Management:** Users can submit and manage their own recipes for inclusion in the website's repository.

**Rating and Reviews:** Users can provide ratings and reviews for recipes they have tried.

**Responsive Design:** Ensuring the website is accessible and user-friendly on various devices.

**Analytics and Reporting:** Tracking user engagement, recipe popularity, and website performance.

**Does Not Include:**

* **External API Integration:** The application will not provide any integration with external APIs, such as meal planning or grocery shopping.
* **Physical Goods Delivery:** Users will be responsible for procuring their physical goods, such as ingredients or cooking merchandise.

1. **Completion Criteria**

* Fully operating built and launched the myRecipes web application***.***
* Recipe management system implemented, allowing users to create, edit, and store recipes.
* Search and discovery functionality integrated, enabling users to find recipes based on various criteria
* User registration and profiles created, allowing users to create accounts, save favorite recipes, and customize preferences.
* Responsive design implemented, ensuring the website is accessible and user-friendly on various devices.

1. **Measures of Project Success**

* **User Engagement:** Increase in the number of active users, recipe submissions, and community interactions within the myRecipes app.
* **User Satisfaction:** Positive feedback, ratings, and reviews from users indicating that the app meets their expectations and provides a valuable solution for recipe management and culinary exploration.
* **Feedback and Ratings:** Positive feedback and high ratings from users on app stores or through user surveys.
* **Performance and Stability**: Smooth operation of the app without significant downtime or technical issues.

**D.** **Project Approval Form**

I, Hao Lac, have reviewed the information contained in this document and approve the project proposal.

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Signature Date