Term Project Proposal - Cookery Book

Team Members:

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Introduction:

Cooking is an enthralling activity that engages a person's mind and ends up with a fruitful result. People across the world have now started realizing the benefits of a home cooked meal. This inspires many to cook food even after a hectic day. It not only helps one relax after a long day, but also helps them cope with stress.

There are dozens of recipes to try and numerous applications have been designed to allow users to browse for food recipes. However, these applications lack a sense of personal touch with the customer. It is also often hard to keep track of your favorites or hunt down a recipe you recently liked online. Cookery Book brings a novel experience for its users, helping them deal with their day to day cooking needs.

Project Description:

The Cookery Book is your friend to help you store and organize your food innovations, to reach a notch higher.

Want to share your family's secret recipes or your success stories over various kitchen conundrums? Document, upload and share your kitchen stories with other food lovers, to influence and be influenced. A fraternity of creators, bloggers and novices united by their love for mindboggling tastes. With Cookery book, you don't only manage your recipes online, but you build your private cookbook, accessible from everywhere. Subscribe and add your favorite chef's recipes to your customized book.

Not sure what to cook? Classify your recipes as Favorites, QuickView and NextToDo, to have a swift vision of your bookmarked recipes.

Out of groceries? Cookery Book is an intelligent app that makes sure nothing stops you from cooking your favorites. A stunning feature which allows users to search over recipes, as per the ingredients available in the pantry.

Cookery Book brings people closer by capturing their unique food experiences and putting it out there for millions.

Features:

1. Profile/Personal Dashboard:

Users who would like to use the available features need to sign up for an account. If a user is already a member, they need to sign in to access their account.

Login and Signup can be done via Email, Facebook or Google authentication. After a member logs in, they will have a dashboard of their own uploaded, recently liked, favorites recipes etc.

2. Upload/Store recipes:

Users can upload their own recipes. Uploading a recipe is quick and easy! Simply fill out a form with information such as- Category, Key Ingredients, Name of dish, Recipe, Pictures, YouTube link (optional).

3. Search new recipes:

Intuitively search for recipes with respect to the following:

- Recipe name: you will have a dozen recipes, just a click away. Pick the ones which catch your eye and get set with cooking.

- Cuisine: Vegetarian, Vegan, Gluten Free, American, Indian, Chinese and many more are available to choose from.
- Ingredients/Pantry Leftovers: tap on the ingredients available at hand and watch a collection of recipes available.
- By Feature: filter the recipes by sorting them on basis of recently added or ones that are most liked.
- By Course: look up recipes by Entrée, Main Course, Desserts, Soups, Salads, Beverages, Dips, Sauces etc.

When you select a recipe, it displays the ingredient list, description, steps, pictures that were uploaded by its author and a YouTube video (if available)

4. **Bookmarks/History:**

Save your time with already planned and bookmarked recipes on your dashboard. Whether it is your **NextToDo** meals for the upcoming weekend, your **Favorites** or your **QuickView** options, all are just a tab away.
Forgot to bookmark your recipes while viewing? We've got your back! Re-visit your recipes in the **History** tab and don't miss out on any delicious meals.

5. **Share your recipes:**

Share your recipes with millions of viewers with just a button click. Uploaded recipes may be shared via Facebook, Twitter and other social media platforms.

6. **Comments and Likes:**

Genuine feedback is always welcome. The application allows viewers to review and rate recipes by giving it a thumbs-up/thumbs-down and share their versions of the same recipe.

7. **Grocery List:**

Prepare a shopping list before your next visit to the grocery store. Add all the ingredients to your notes so you won't miss out on anything!

Not a Member Yet?

We will have various functionalities available for users even when they have not setup a profile yet. These would include the following:

1. Search new recipes:
   Search Engine for recipes based on all the above-mentioned filters.
2. Contact and Support:
   This would include functionalities like About the Website, Contact us, Customer Care etc.

Scope:

This application can be explored by everyone! Whether you are a multitasking mother browsing for some great recipes for dinner, an adept chef curious to learn new techniques or a teen wanting to cook something easy and quick, Cookery Book welcomes all. Cookery Book will be a one stop destination for all their cooking needs.

Cookery Book would a web application that can be run on a web-browser in any operating system platform. The scope of the application is wide and future updates to bring it to Android and iOS mobile platforms are also possible

Significance:

Be it cooking, baking or digging on healthy protein rich diet, meals are all about sharing. Cookery Book is all about solving the biggest problem 'what should be the meal for today?'. With all your recipes stacked at one place, it gets much easier and effortless. It gives us an opportunity to go out of our way and learn new recipes and mix and match with ingredients to create new flavors.

With bookmarked recipes, users can plan meal schedules way ahead and get going, without wasting precious time. Even when you are out of some essential ingredients, Cookery Book makes sure to find you some quintessential recipes in minutes with just the basic ingredients you have in your pantry.

Work Plan:

Our team will be working on the design and implementation of the web application in iterative cycles. Tasks will be divided and delegated at the beginning of each week. Tasks will be completed based on priority and level of difficulty. Complex tasks will require working in pairs. The tasks will be completed over the course of the week and then integrated, ensuring correct and flawless implementation. Here is an initial draft of our work plan:

- **Week 1: March 23rd – March 30th**
    - *Web Technology*: The team will decide on the technologies we would use for this web application and decide on the user interface and a database design for the app.
    - *Data Gathering*: we will further explore similar products out in the market, to get a better sense of how we can improve the user's experience overall.

- **Week 2: March 31st – April 7th**
    - We will divide three important features amongst the team members:
    - *Profile/Personal Dashboard*: Stuti Jindal, Nehali Namdev Shinde
    - *Upload/ Store recipes*: Sri Charvitha Kurra, Anita Ajwani

- *Grocery List*: Akshitha Koganti

- **Week 3: April 8th – April 15th**
  - We will divide the remaining functionalities amongst the team members:
    - *Search new recipes*: Stuti Jindal, Anita Ajwani
    - *Bookmark/History*: Sri Charvitha Kurra, Akshitha Koganti
    - *Comments and Likes*: Nehali Namdev Shinde

- **Week 4: April 16th – April 23rd**
  - This week is reserved to ensure completion of all tasks and a flawless integration of all the features.
  - Functional testing of the features and the application will be completed.
  - The team will focus on fixing any bugs detected during testing phase.
  - We will address adding any additional functionalities to enhance the application.

- **Week 5: April 24th – April 30th**
  - This week is reserved for final presentations.
  - The team will work on final bug fixes and minor additions to the code.
  - The PowerPoint presentation will be completed in this week.

- **Week 6: May 1st – May 6th**
  - After the term project presentations have concluded, the team will focus attention on the final documentation.
  - A report describing the system architecture, project features, components, UML diagrams and app's screen-shots will be included in a well formatted document.
  - A README file will also be written, describing steps to install, run and use our application.
  - Final code clean-up will be completed, ensuring a well commented code.

With a properly engineered work plan, we will efficiently develop the application in well divided stages, whilst working as a team and ensuring its successful completion within the proposed deadline.