**CEN 4010 Principles of Software Engineering, Summer 2021**

**Milestone 1: Team Project Proposal and Description**

# Team: Divide and Conquer (Team 07)

# Project name: “Delectable**”**

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# **History table:**

|  |  |
| --- | --- |
| Date | Comments |
| 06/15/2021 | Milestone 1 Project Proposal and High-level description |
|  |  |

# **Documentation date: 06/15/2021**

**1**           **Executive Summary - “Delectable”**

Around the world, families and friends are accustomed to gathering multiple times throughout the year, whether it be for birthdays, holidays, or ceremonies. The one thing that connects these gatherings together is the food being served, food that we’ve known our entire lives but are specifically kept for these special gatherings so that we may realize how much care is actually put into making these foods. Though a pandemic has made it increasingly difficult to connect with our friends and relatives, Delectable is here to preserve that connection of mouthwatering foods being shared at a gathering, by creating a haven where users are able to share all of their cooking recipes with their family and friends. Delectable will allow users to post photos and videos to their customized feeds and attach descriptions to them containing recipes. Though Delectable does an astounding job at sharing recipes between friends and maintaining the secrecy of family recipes, users will still be able to freely share their recipes to the public. When shared publicly, users will be able to rate recipes on a 5 star scale and also comment on the post so that they may be able to ask questions for clarification or praise that newly found recipe. Delectable’s search function will allow users to look up recipes; where posts with high ratings will be displayed as popular recipes and recently created posts will be displayed as new recipes. The filter function paired with search will allow users to see recipes categorized by specific ingredients, nationalities, holidays, diets, or even time of day. Recipes will show nutritional information. Users will be able to create a shopping list. This website is meant to focus on being able to create and share recipes to your friends and family with ease, rather than our competitors that limit recipe creations through a paywall.

**2**           **Competitive analysis**

(Y)=yes

(N)=no

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Website name | Sharing recipe public/private to family/friends | Rating recipe after trying at home | Categorize recipes by (season, type, etc.) | Recipe feeds  (popular, new, trending) | Upload personal recipes to page |
| Delectable | Y | Y | Y | Y | Y |
| Yummly | N | Y | Y | Y | N  (pay to play) |
| Tasty | N | N | Y | Y | N |
| Instagram | Y | N | N | N | Y |
| Pinterest | Y | N | Y | N | Y |

In t9he field of online recipes many websites contain useful blogs, articles or even copies of recipes but lack structure or the ability to upload recipes and share with friends. In our website “Delectable” the focus is sharing recipes amongst friends and family to keep people connected during social distancing. The app will allow a user to upload personal recipes and apply them to categories such as food type, seasonal or by meal. The recipe is saved to the user page for rating if public availability. A feed is available for users to view continuously updated with recipes. The website differs from Yummly and Tasty in the fact a user can upload their own recipes and allow for friends to rate. The difference from Instagram and Facebook is a dedicated web page for recipes allowing for category search. To remain competitive with websites Tasty and Yummly a shopping list feature will be saved to user profile so the user can refer to which items need to be purchased to make recipes. Delectable will be a go-to source of recipes for family and friends to reference when gathering for a meal.

<https://www.yummly.com/>, <https://tasty.co/>, <https://www.instagram.com/>, <https://www.facebook.com/>, <https://www.pinterest.com/>

**3**           **Data definition**

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Meaning | Usage | Comments |
| User | actor | Use case scenarios | A person who is signed up in the system has an account |
| Guest | actor | Use case scenarios | A person who is using the system, but is not signed in. |
| Administrator | actor | Use case scenarios | A person who manages and updates the system. |
| Account | data | Use case scenarios | A collection of user’s information |
| Recipe | data | Use case scenarios | Main data unit in the system, contains instructions and media of the recipes |
| Review | data | Use case scenarios | Stores users comments about recipes |
| Category | data | Use case scenarios | Each recipe has keys (categories) assigned to it |
| Recommended | data | Use case scenarios | List of highly rated recipes |
| New | data | Use case scenarios | Recently added recipes |
| Search | service | User service | Searches recipes by the name or ingredients |
| Filter | service | User service | Filters recipes by the category |
| Add | service | User service | Allows users to add new recipes |
| Favorite | service | User service | A list of recipes that user wish to save |
| Sign up | service | User service | Allows user to create an account |
| Sign in | service | User service | Allows user to enter the system |
| Sign out | service | User service | Allows user to leave the system |
| Remove | service | User service | Delete recipe from favorite list |
| Media | service | User service | Allows user to add photos or videos to the recipe or review |
| Home | User interface | User interface | Default page for users |
| Website | User interface | User interface | Collection of all the pages in the system |
| Profile | User interface | User interface | A page containing user information |
| Delectable | Website name | User interface | Name of the system |