

Project Proposal - The Compassionate Baker

Team Members:

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Project Repository:

<https://bitbucket.org/instantyeast/the-compassionate-baker/>

Project Summary:

This project will be a bakery manager where the user uses this website to manage their bakery/kitchen. This application would generally not be limited to baking, but this will be our focus initially. For example, our website could be used by a bakery manager who would need help managing recipes based on the ingredients ordered for the next day. Based on the already input recipes by the manager, the manager can choose the recipes they would like to use for the next day, allowing for preparation of produced goods based on available resources.

Brief Tour:

1. Home Page
 - a. Brief introduction and a short guide for directions on how to use the app
 - b. Account functionality
2. Personalized Homepage (For accounts)
 - a. This homepage will display the following depending on the user:
 - i. Inventory remaining
 - ii. Previous day's yields
 - iii. Today's recipes (potentially a schedule)
 1. Includes a recipe view page
 2. Provide a timer/alarm for that recipe
 3. Track which step the user is on based on input
 - iv. Various other miscellaneous bits of information
 - b. Additional Options:
 - i. Add recipes
 1. Ingredient list
 - Ingredients has search and drop-down list
 2. Steps for the recipe
 - Approximate time for each step
 - Active or waiting label depending on type of action
 3. Automatic conversion between volume and weight

- They first choose which measurement they are using
- 4. Small details (more of a stretch goal)
 - Altitude - Should default to sea level
 - Humidity (unsure about this one)
- ii. Baking tips:
 1. Conversions
 2. Calculators (not a recipe adjustment, but a guide)
 3. Other miscellaneous tips (like how to measure flour by volume)
- iii. Recipe search:
 1. Able to narrow down recipes that can be possibly made based on current inventory
 2. Add recipes to today's recipes

Difficulties:

Impediments we may encounter:

1. Learning process - We understand that we will be learning as the class progresses, but due to the fact that none of the group members have previous web development/designing experience, learning while designing will be a challenge.
2. Scheduling conflicts - Differences in schedules amongst members as well as additional classwork from other courses will most likely interfere with progress.
3. Preliminary research - Since many of the group members are not knowledgeable of baking, the members need to look into certain baking techniques in order to provide an more in-depth explanation under baking tips

Minimum Deliverables:

Things that should be done:

1. Welcome page and account functionality
2. Database entry for recipes and their ingredient conversion
3. Baking tips page with information
4. Ability to measure how many units of a recipe can be made
5. Timers/alarms for recipes
6. Public recipe search

Extra Features:

1. Optimal timeline for completed the current day's recipes (constraint problem)
2. A graph displaying the timeline for the recipes
3. An editable timeline
 - a. This includes moving recipes/tasks to later or earlier times

4. Tooltip that gives advice to the user or defines specific terminology that the user might not understand
5. Given a tip, the user can select an option to automatically change the recipe
6. Given an input of the user baking proficiency and location, ie home or bakery, display tips more or less frequent and the type of tips based on the user category.
7. Provide suggestions for recipes which the user may need more ingredients of that should be easily obtainable.
8. Given input of how many hands the user has, give a better estimate on how much time is needed for certain portions of recipes.

Role Division and Meeting Times:

Meeting times:

- Friday, Sat, Sun 3:00-4:00PM

Role Division (Main focuses):

- Curtis Lee- Project Owner/Developer
 - Recipes and options
- Mengguang Zou - Developer
 - Homepage design
- Winston Wu - Developer
 - Welcome page design
 - Baking tips page