

# MyRecipe Report

Team Name: My Recipes

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- **Objectives of the study:**

The objective of the study will be to measure the effectiveness of the app as well as the efficiency related to completing the given tasks in a reasonable amount of time. A software prototype will be provided to users for finding a recipe to test our app, which contains 5 pages: “Main page”, “Search page”, “Result page”, “Detail page” and “Find Missing Ingredients page”.

- **Method:**

We will invite some people to test the software prototype of our application by giving tasks.

- **Participant:**

- Description of user:

1. A housewife who likes cooking. (40+ years old)
2. A worker in the Technology Enterprise Facility of UVic, who does not have enough time.(30+ years old)
3. A 4th year female business student of UVic.(20+ years old)
4. A 12th grade male high school student.(10+ years old)

- Criteria :

I will divide them into 4 groups:

1. Age above 40
2. Age from 30-40

3. Age from 20-30
4. Age from 10-20

○ **Tasks:**

- Input into the app a list of ingredients given by experimenter:
  1. Tap search button
  2. Input ingredients for recipe with missing ingredients
  3. Tap Go! button for results
- Select a recipe and find a store for missing ingredients :
  1. Select a recipe with a red progress bar underneath
  2. Scan details and notice ingredient(s) highlighted in red
  3. Tap “Find missing ingredients” button for showing stores.

○ **Procedure:**

- Practice time: 3 minutes per user
- Instructions: “Following the task to find a recipe and if any ingredients are missing, then find a store by this application”. And “Ask questions if you want”.
- Task order:
  1. Input into the app a list of ingredients given by experimenter
  2. Select a recipe and find a store for missing ingredients
- Duration of a typical session: 20 minutes per session

○ **Setting and Equipment:**

- Places : public place under the silent environment
- Phone/computer to run prototype

- **Data Collection method**

- Cooperative evaluation
- Think-aloud

- **Measures:**

- Qualitative(Cooperative evaluation):
  1. Visibility
  2. Descriptions of difficulties
  3. Likes/dislikes
- Quantitative:
  1. Time to complete a task
  2. Unnecessary clicks

- **Result:**

- **Result of Qualitative (Cooperative evaluation):**

- Visibility
  1. In the “Detail page”, the find ingredients button is not clear.
  2. In the “Result page”, the red bar or green bar gets ignored by some users.
  3. In the “Result page”, the tight spacing between recipes is hard to tell which recipe a progress bar is referring to at first glance.
  4. In the “Search page”, it is unclear what the user needs to enter for the text field.
  5. In the “Result page”, details are difficult to read with small font, and space could be better allocated.
- Descriptions of difficulties
  1. Some users think it is not hard to do this task.

2. Some User is unsure what the "buy missing ingredients" was for until he was helped.

- Likes/dislikes

1. Some users like its simpleness to find a recipe but UI should be better.
2. Some users like the functionality concept of the application
3. Some users dislike the aesthetic design of the application
4. Some users dislike the plain and boring design and limited feature.

- **Result of Quantitative**

|                        | Statistics |          |          |     | Average |
|------------------------|------------|----------|----------|-----|---------|
| Range of age           | 10 to 20   | 20 to 30 | 30 to 40 | 40+ |         |
| Time to complete tasks | 3          | 5        | 3        | 4   | 3.75    |
| Unnecessary clicks     | 2          | 0        | 3        | 2   | 1.75    |

- **Discussion:**

- **Summary**

According to the results, the user interface of "MyRecipe" is not meticulous enough in some pages and there exist some confusing controls. However, the idea of this app is good to conduct.

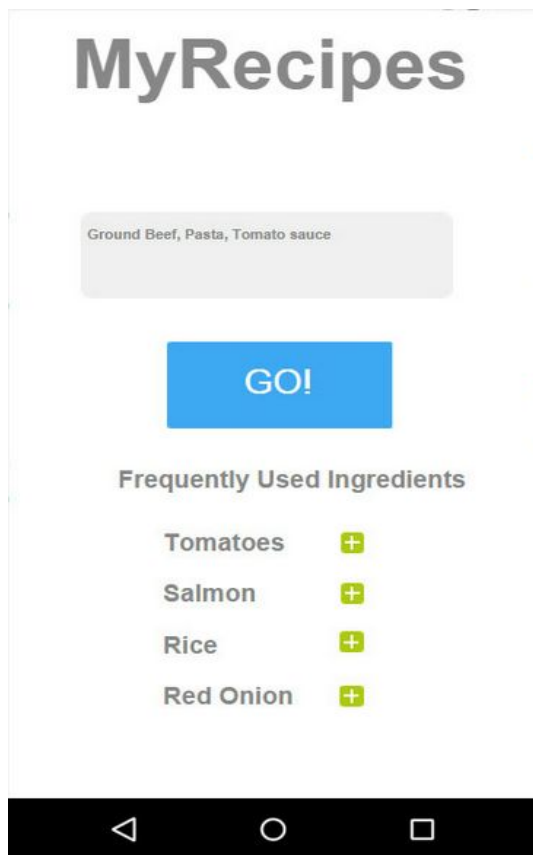
- **Improvement:**

- 1.To fix text field in "Search page"

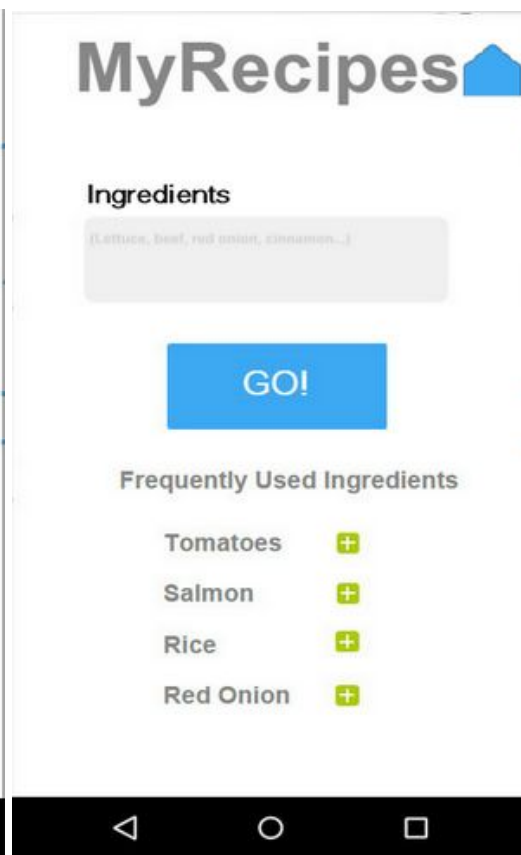
### Fixes:

- Added labelling to text field, and initial sample entries to provide clarification for user as to what to input into text field.

### Before



### After

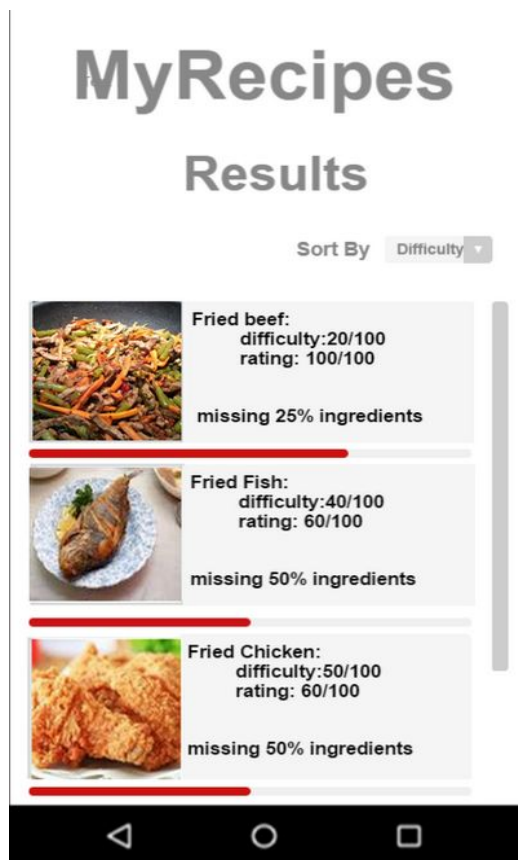


2.To fix problems in “Result page”:

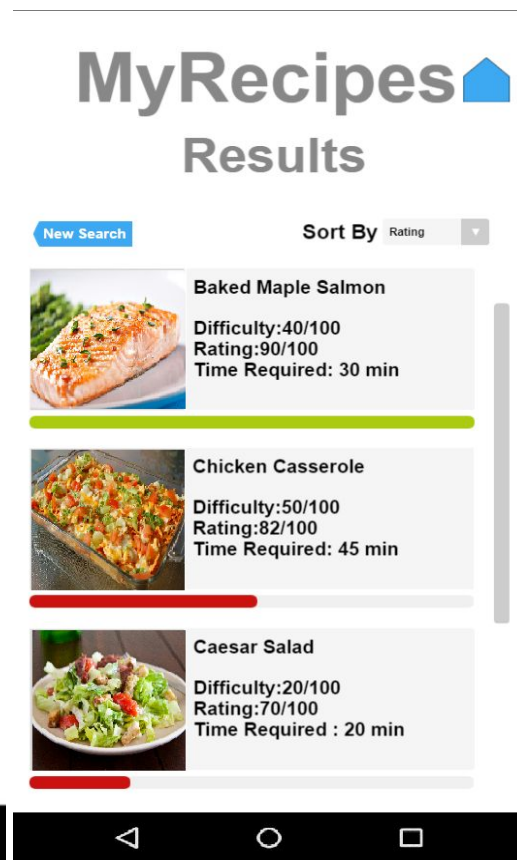
### Fixes:

- Buttons added to provide clearer navigation for user
- Added time metric so user would not look into recipe they don't have sufficient time for.
- Removed missing ingredients text, and increased spacing between recipes to better indicate which recipe a progress bar is referring to.

## Before



## After

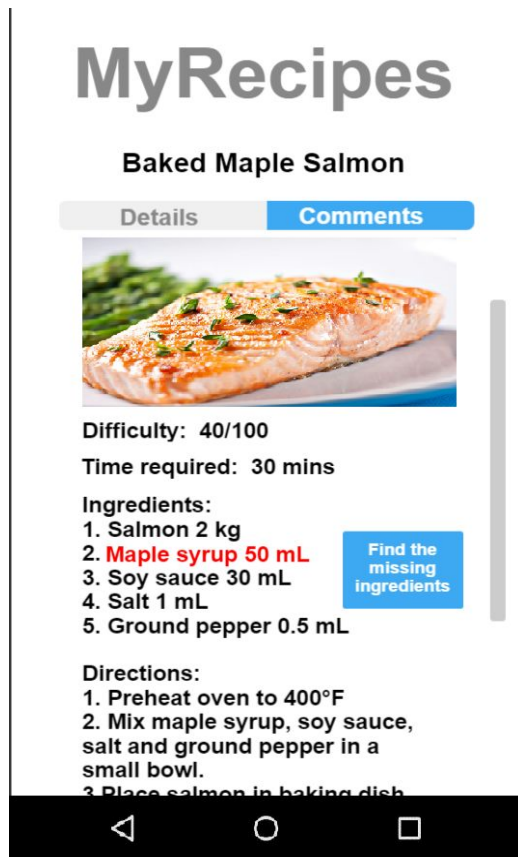


3.To fix problems in “Detail page”:

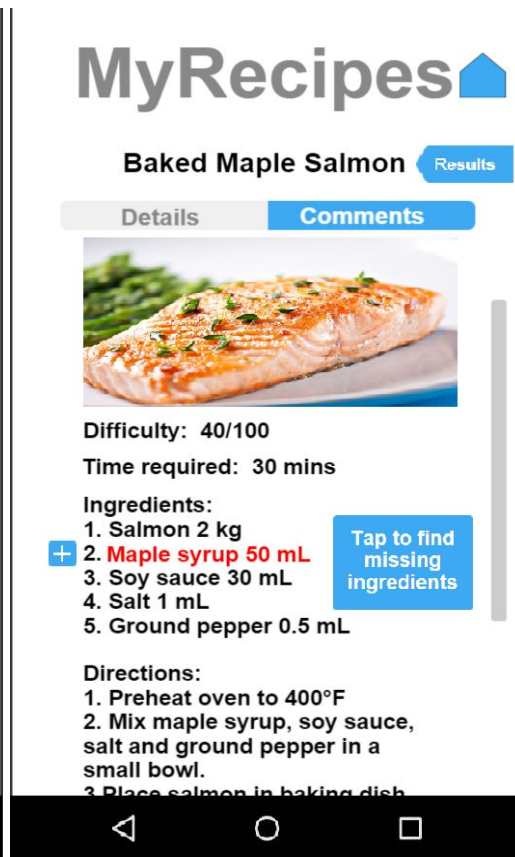
### Fixes:

- Added a plus button next to potentially missing ingredients allowing users to inform the system should they later discover that they have that particular ingredient
- Change description of find ingredients button to look more like a button rather than feedback.

**Before**



**After**



○ **Assumptions and Limitations:**

■ **Assumptions :**

1. Users can finish tasks under 5 minutes and they will meet few problem during tasks.

■ **Limitations :**

1. The limitations of this study is that number of each age criteria is too small.
2. There is no database to support this app.

- **Indication:**

The objective of this study was mainly met after several tests. All user tests were took under 5 minutes and few unnecessary clicks are acceptable, which shows the effectiveness of the app "MyRecipe". But more tests need to be conducted to get more accurate results.