COOKBAIT

Group 13

Progress Report

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1. User Flow
2. App Flow
3. Tech stack
4. Wireframes
5. UI/UX Design
6. Database Structure
7. Timeline

Team Members:

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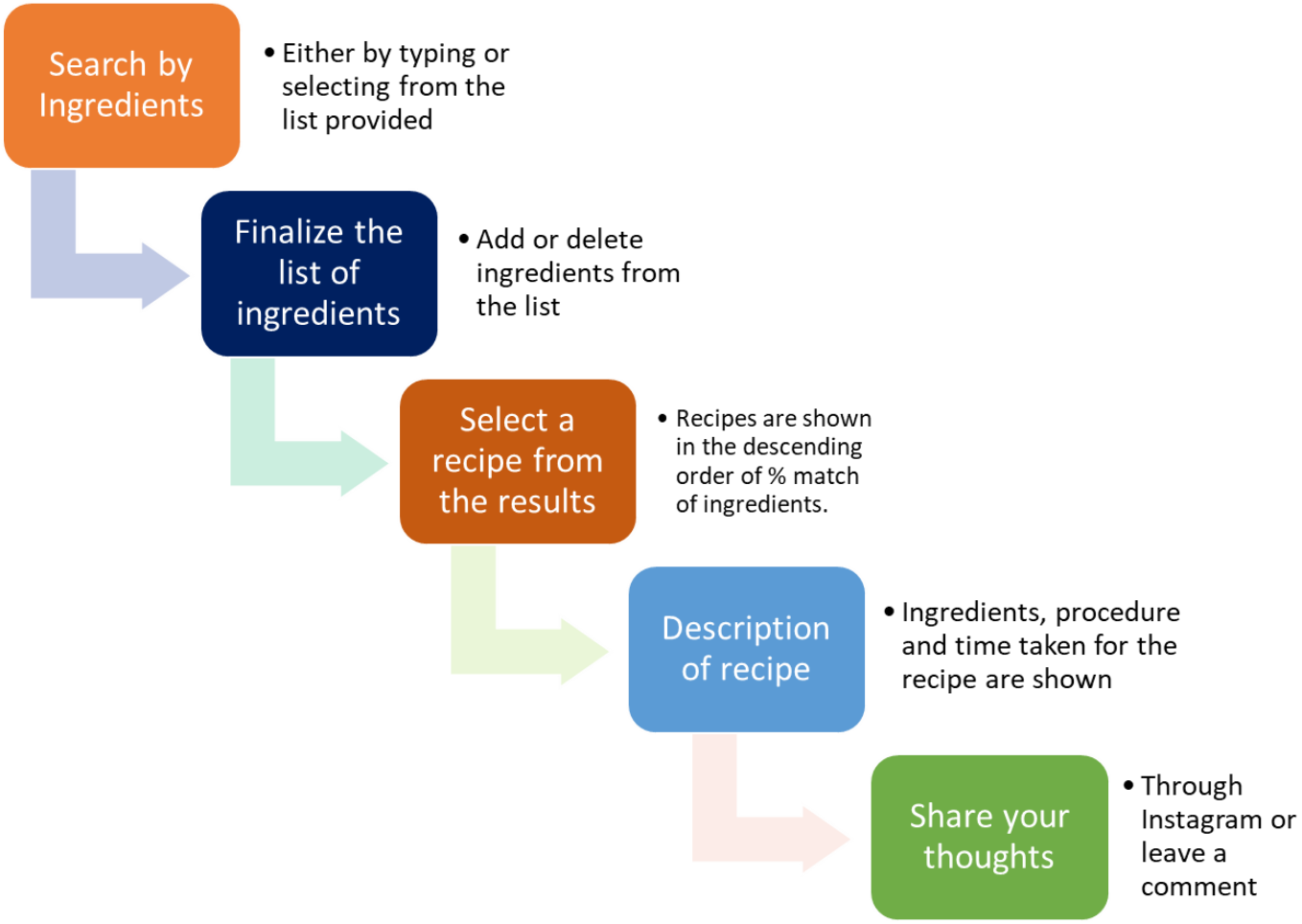
USER FLOW

- Once the user opens the Home page, they are presented with a search bar and different categories of ingredients.
- The user can either enter the ingredient in the search bar and then select from the resulting list of ingredients or select a category of ingredients and choose specific ingredients from that.
- Either way the selected ingredient gets added to a list maintained by the app.
- The user can access the list at any time through the homepage and can also remove an ingredient from it.
- After the user is done choosing all the ingredients, the app displays all the recipes in the order of % match of ingredients i.e. starting with maximum possible match in ingredients while maintaining a minimum matching threshold of 50%.
- The user can browse through recipes and choose one as per their preference. The app will then display the selected recipe along with the estimated cooking time and a video link in case the user wants to follow along.
- It also displays a link to cookbait's instagram page to increase user engagement.

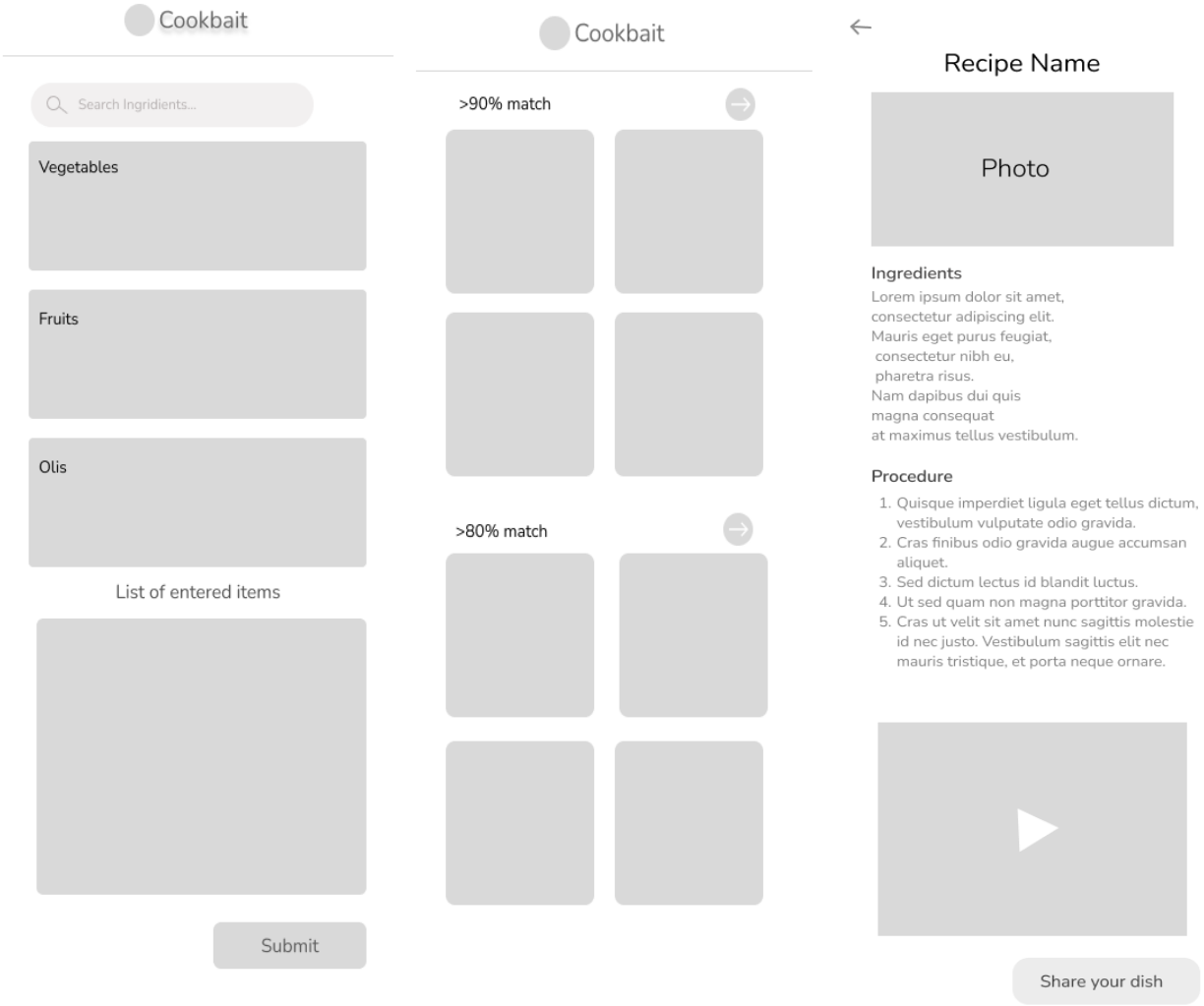
APP FLOW


Search by Ingredients
• Either by typing or selecting from the list provided
Finalize the list of ingredients
• Add or delete ingredients from the list
Select a recipe from the results
• Recipes are shown in the descending order of % match of ingredients.
Description of recipe
• Ingredients, procedure and time taken for the recipe are shown
Share your thoughts
• Through Instagram or leave a comment

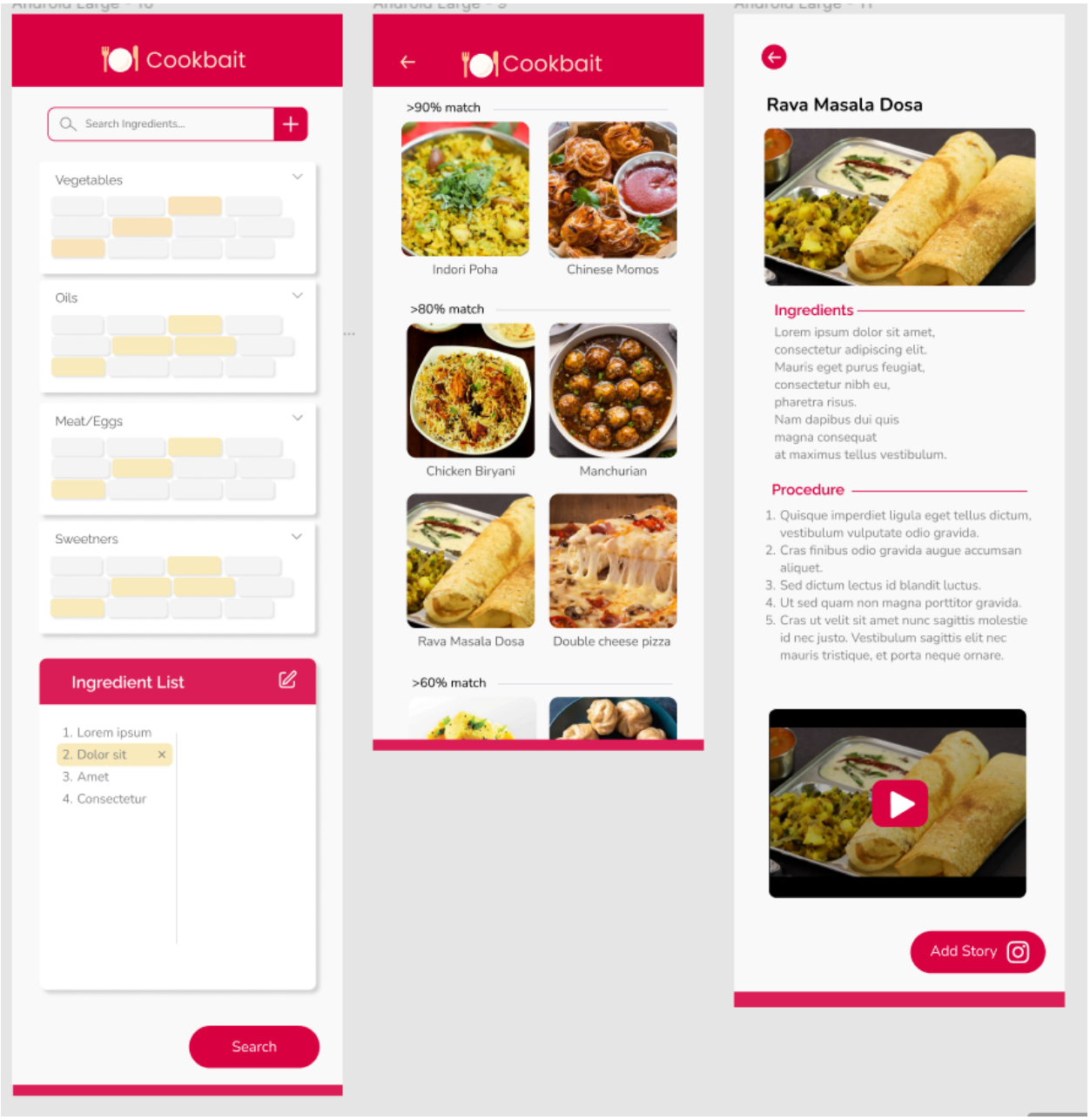
TECH STACK UPDATES

- **Flutter**: Flutter is an open source framework by Google for building beautiful, natively compiled, multi-platform applications from a single codebase. Thorough with basics of flutter, Exploring additional functionalities.
- **Web Scraping using Selenium:** This is a technique used for extracting data from websites. It is an automated process where an application processes the HTML of a Web Page to extract data for manipulation such as converting the Web page to another format and copying it into a local database. Learnt web scraping in python using Beautifulsoup(useful only for html text). Learning Selenium(for scraping dynamic content).
- **Firebase**: Set up a dummy Database in Firebase: Four fields have been finalized for the database consisting of two collections. These are recipes, description, time, comments.
- **Frameworks:** Yet to finalize the frameworks to be used, considering React and Django-Rest at the moment.
- **Design:** Basic wireframes and UI attached for reference, logo design completed.

BASIC WIREFRAMES

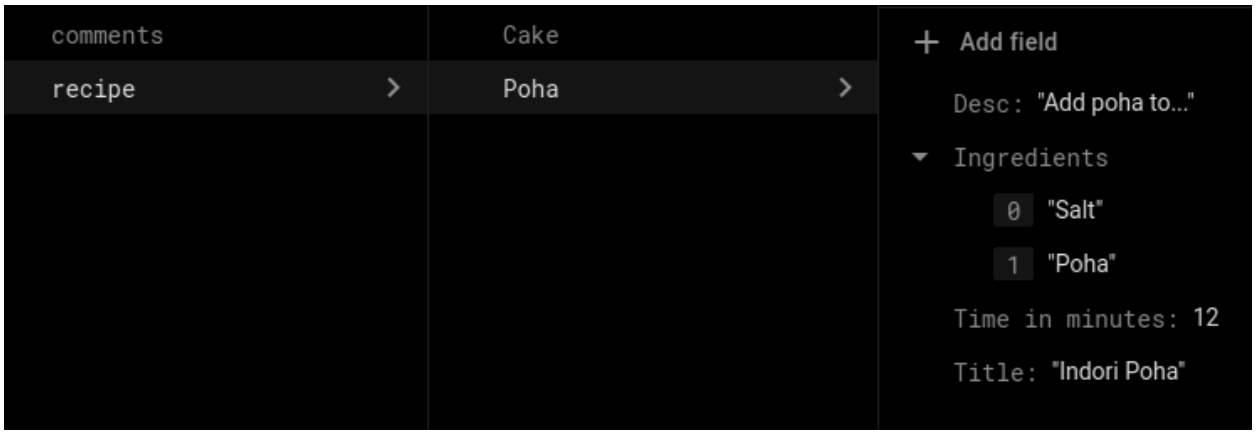


UI/UX DESIGN

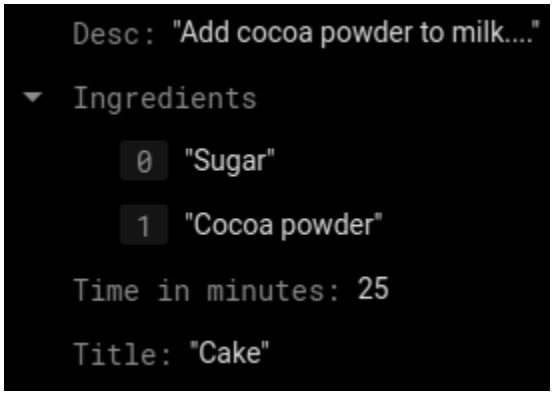

Cookbait
Search Ingredients...
Vegetables
Oils
Meat/Eggs
Sweetners
Ingredient List
1. Lorem ipsum
2. Dolor sit
3. Amet
4. Consectetur
Search
Cookbait
>90% match
Indori Poha
Chinese Momos
>80% match
Chicken Biryani
Manchurian
Rava Masala Dosa
Double cheese pizza
>60% match
Rava Masala Dosa
Ingredients
Lorem ipsum dolor sit amet, consectetur adipiscing elit. Mauris eget purus feugiat, consectetur nibh eu, pharetra risus. Nam dapibus dui quis magna consequat at maximus tellus vestibulum.
Procedure
1. Quisque imperdiet ligula eget tellus dictum, vestibulum vulputate odio gravida.
2. Cras finibus odio gravida augue accumsan aliquet.
3. Sed dictum lectus id blandit luctus.
4. Ut sed quam non magna porttitor gravida.
5. Cras ut velit sit amet nunc sagittis molestie id nec justo. Vestibulum sagittis elit nec mauris tristique, et porta neque ornare.
Add Story

DATABASE

- We have created 2 collections catering for recipes and comments.
- Basic format: There are 2 collections made on firebase one for fetching recipes and other for taking the input of comments and its approval.



- Recipe collection: It has documents by name of recipe which in-turn has fields like: title (as the key for search), description of recipe, list of ingredients and estimated time.



- Comments collection: It has documents by name of the person having fields like: comment (actual content) , approval status, email-id, name of the user and the title for which it has been written.

```
Approval: false
Comment: "Amazing recipe....my parents just loved it!"
Email-id: "neha@gmail.com"
Name: "Neha"
Title: "Cake"
```

MILESTONES

- **Phase 1:** Ideation and Planning (Completed)
    - Planning development phases.
    - Learning and brushing up on the aforementioned tech stack.
    - Learnt web scraping using BeautifulSoup
    - Completed Flutter setup on VS Code / Android Studio
    - Set up a dummy database on Firebase

- **Phase 2**: Implementation (Post MTE - October end)
    - Frontend
    - Scraping recipe data from internet sources
    - Database Building
    - Backend
    - Design
    - Implementing additional features

- **Phase 3**: Debugging stage (A week before submission)
    - Resolving any issues encountered
    - Finalizing the app