



# Fovoro

Jio to the food that you love!

Presented by Group 12



**CIO1 - Group 12**

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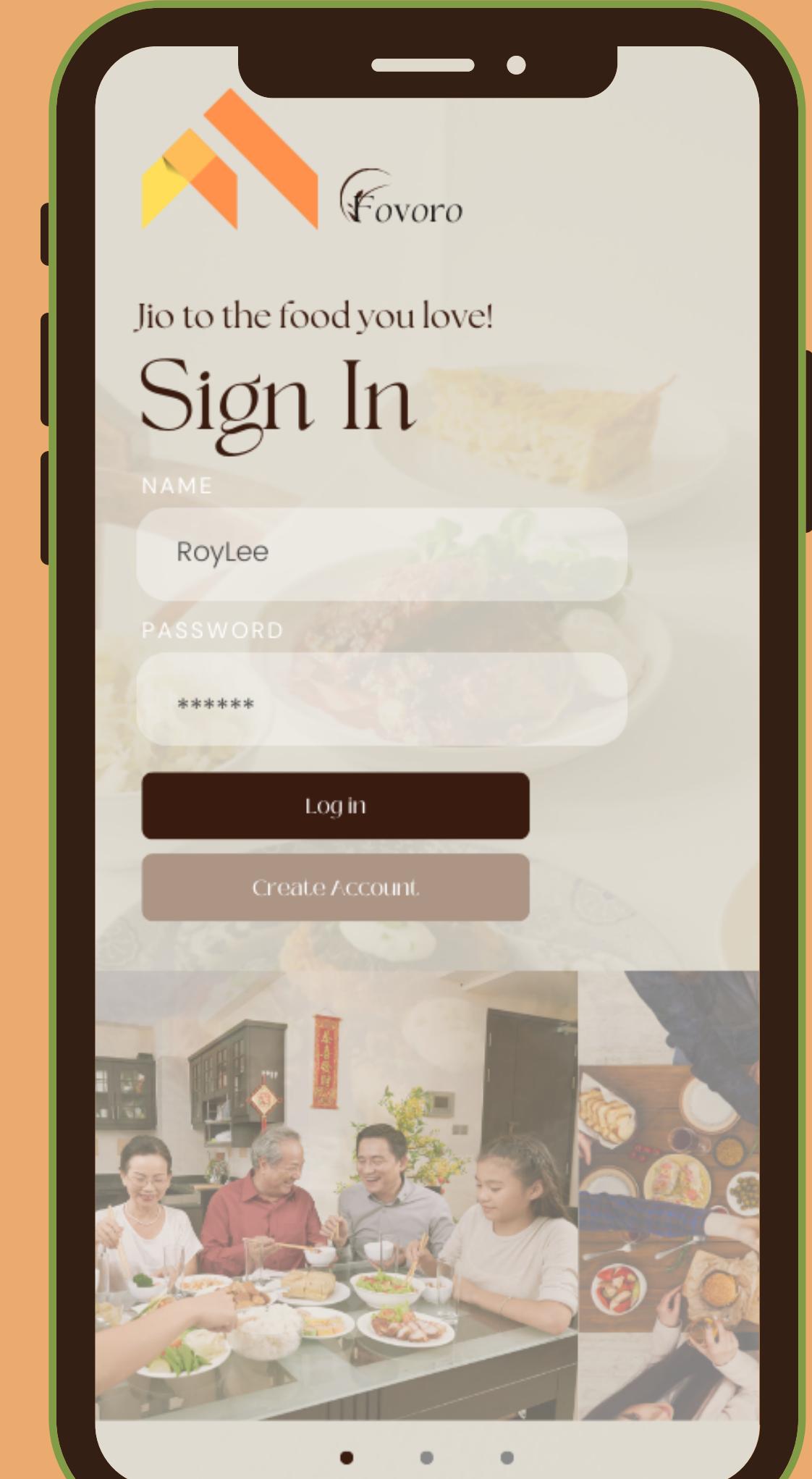
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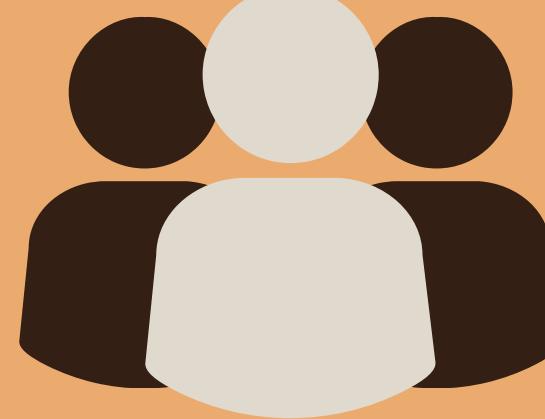
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# The Problem



**Students and staff in SUTD are looking for delicious dishes on-campus**

**BUT**

**Limited knowledge of food options**

With the **diverse food options**, it could be **difficult to know** more about the ingredients and nutrition

**AND**

**Inefficient response of merchants to feedback**

Vendors do not receive immediate feedback and as a result customers' concerns are not addressed



## Current Solutions



- +: Allows users to browse and order food from a variety of choices
- -: Has minimal information on nutrition and dietary restrictions

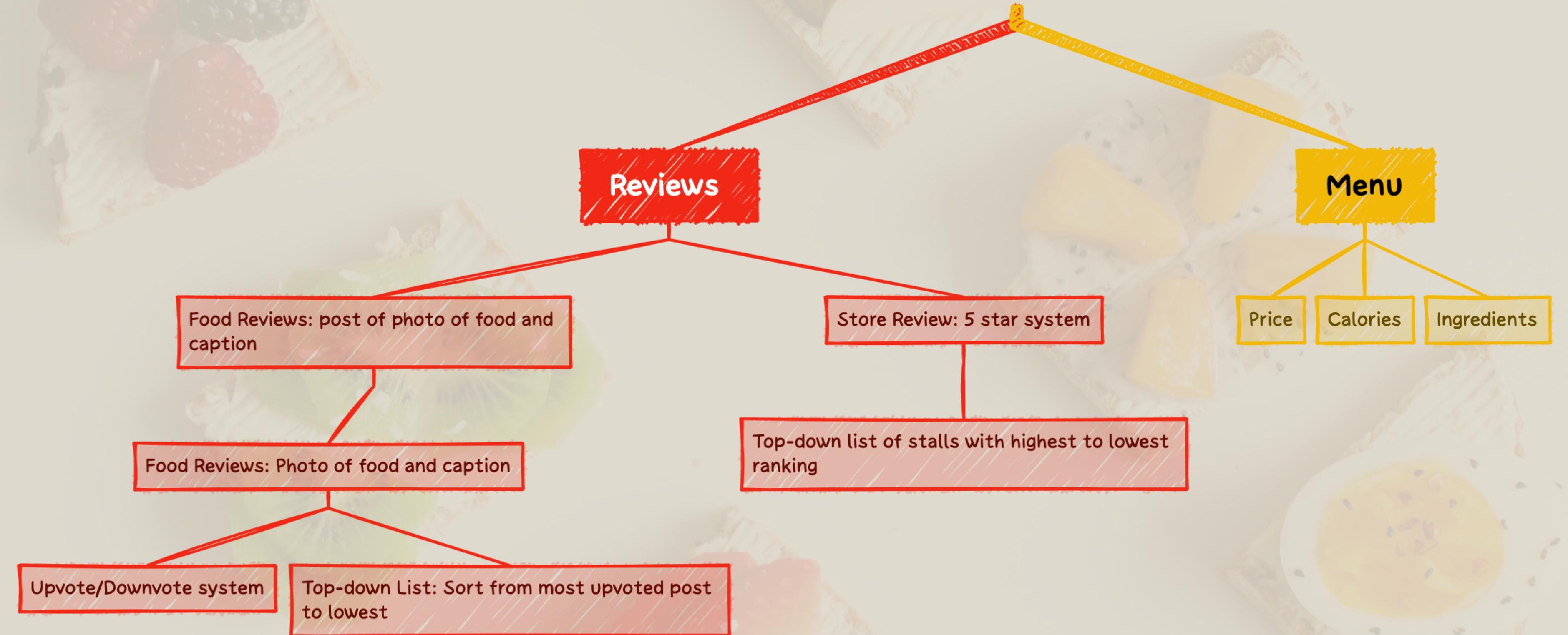


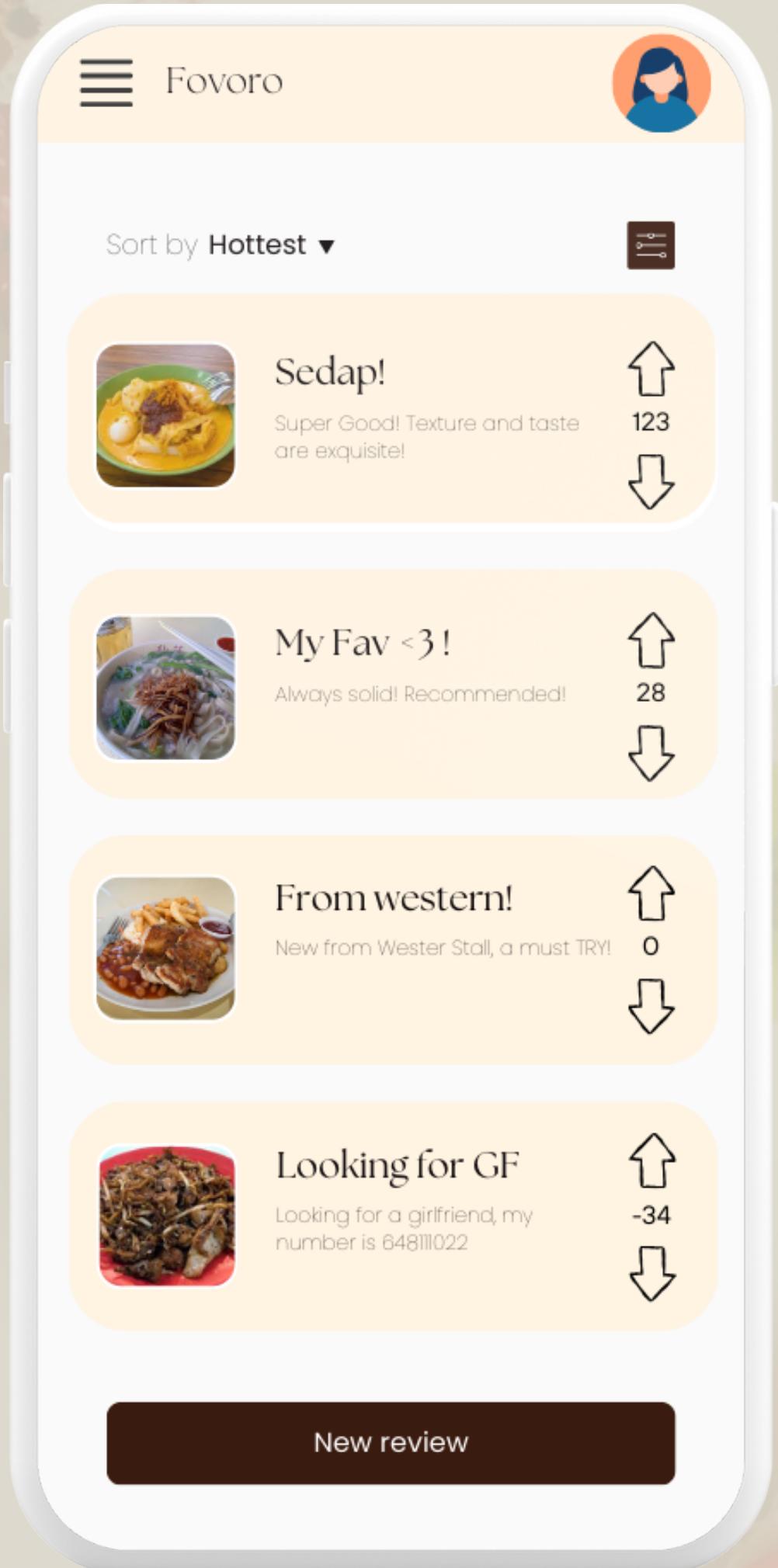
- +: Includes tags often overlooked by many people - especially dietary restrictions
- -: More focused on dining experience - unfit for hawker center style locations



- +: Many users and many places - has a lot of data.
- -: Reviews are not filtered and could include trolls

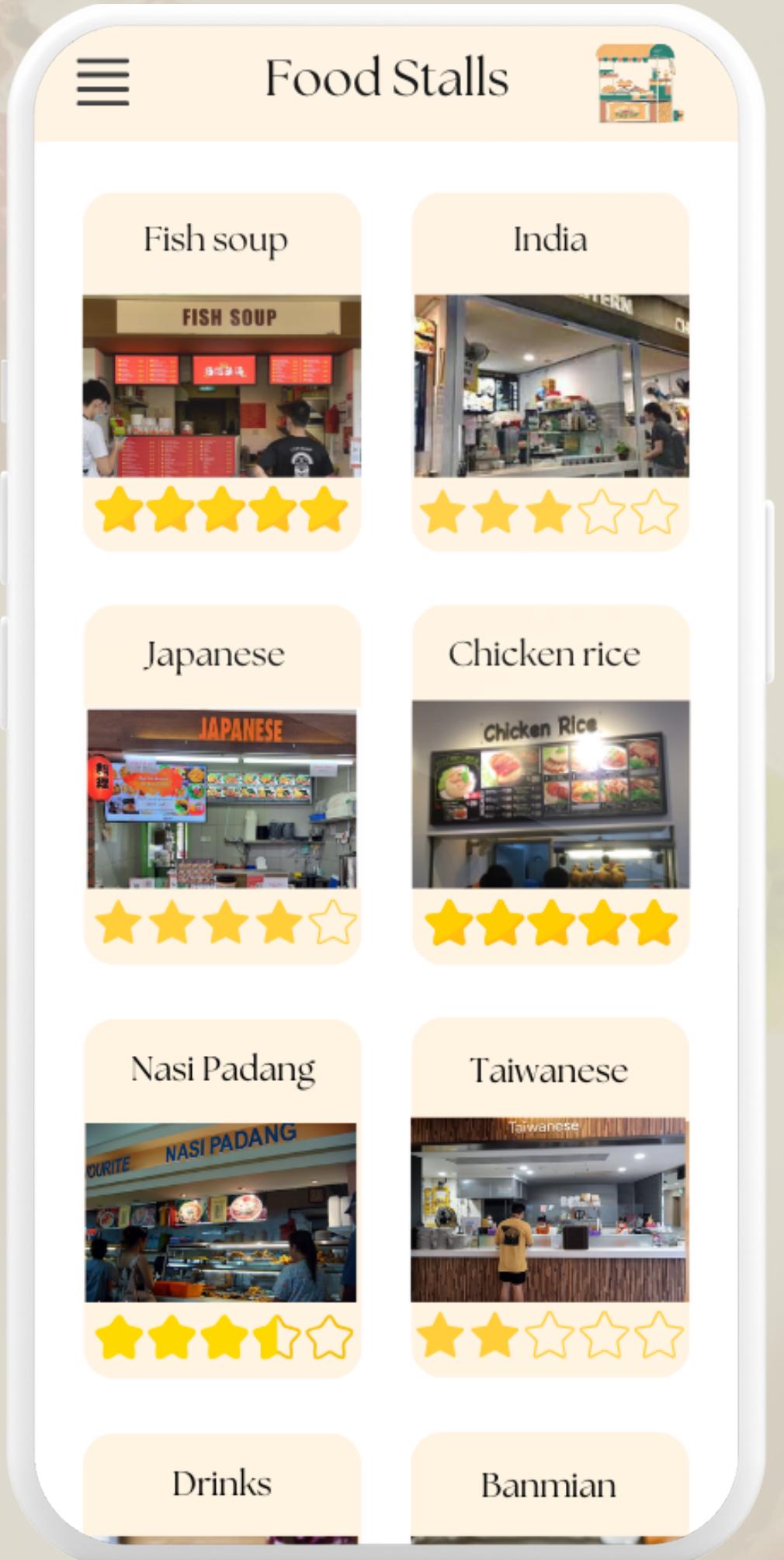
# Main Features





# PO. Food Reviews with Upvote/Downvote

- Users can upload photos of the food along with relevant textual descriptions.
- Other users can upvote or downvote a post based on their own experience.
- Store Owners then can obtain feedbacks of their food and improve on their food quality.



# P1. Store Review: 5 Star System

- Store Review:
  - Utilizes a 5-star rating system, allowing users to rate and review the overall performance of the store.
  - New users can have a brief overview on which stores are better.

## Muslim Stall

### Nasi lemak



#### Ingredients

Price : 3.50SGD

Jasmine rice, coconut milk, water, pandan leaf, salt, dried red chilies, onions, garlic, tamarind juice, sugar, oil, hard-boiled eggs, cucumber slices, fried anchovies, roasted peanuts, and fresh chilies

calories: 500

### Mee Siam



#### Ingredients

Price : 3.50SGD

Rice vermicelli noodles, tamarind pulp, shallots, garlic, dried shrimp, dried chili, cooking oil,

# P1. Detailed Menu

## Price:

- Indicates the cost of each menu item, helping users make informed decisions based on their budget.

## Calories:

- Provides information about the calorie content of each menu item, assisting users in making healthier food choices.

## Ingredients:

- Lists the components or ingredients of each menu item, offering transparency about what goes into the preparation of the food.

## P2. Possible Add-on Features

- Food recommendation by stores' owners such as daily special.
- Anticipated wait duration and seating availability status.
- Food availability
- Food Ordering
- Delivery Service
- Comment on review system

# Potential Algorithms and Data Structures

## Sorting Algorithm

- Merge sort - Good time complexity for large data sets such as Review Data.

## Database

- Firebase - To store user review information and have live updates.

## Data Structure

- Queue
- HashMaps to store objects

# Sustainability & Inclusion

## SUSTAINABILITY

13 CLIMATE ACTION



Encouraging Conscious Consumption:

Users can provide information about the sustainability practices of different restaurants and this empowers users to make more environmentally friendly choices when dining out or ordering food.

## INCLUSION

AA

Changeable font size to accomodate different users.  
Includes smaller and medium enterprise's to advertise their products.

# Timeline

Frontend & Backend: Checkoff 1 - Split work between members according to strengths

**Week5-6**

Integration and Testing 1

**Week7**

Frontend: UI/UX. Building Pages of the App  
Backend: Building the Database

**Week8-9**

Frontend & Backend: Final Integration and Testing - Check off 2

**Week10-11**

Frontend & Backend: Integration and Testing 2.

**Week12**

Frontend & Backend: Source Code Submission

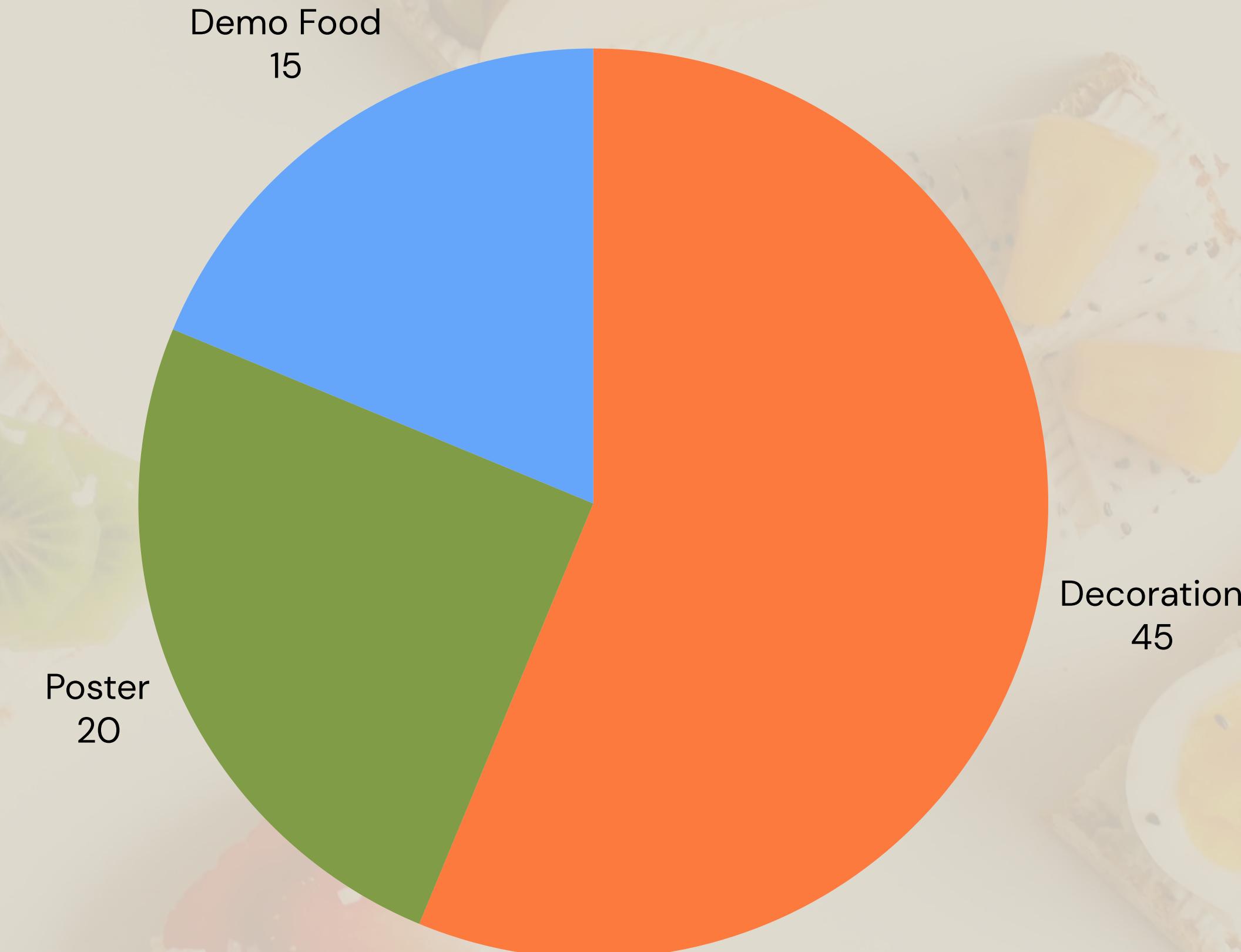
**Week13**

Frontend & Backend: Virtual Exhibition - Poster and Video Submission

**Week14**

# Budget (\$)

■ Decoration ■ Poster ■ Demo Food



A soft-focus collage of various fruits and a bowl of cereal. The fruits include kiwi slices, orange segments, blackberries, raspberries, and red berries. A white bowl in the bottom right contains cereal with a spoon. The background is a light beige.

**Thank You!**

