CSE110-group17-Brainstorm Activity

Team Roles:

QA - Sameer, Raon
Frontend - kat
Frontend - Alwin
Frontend - Raon
Frontend - Yiyang
Backend - Aiden
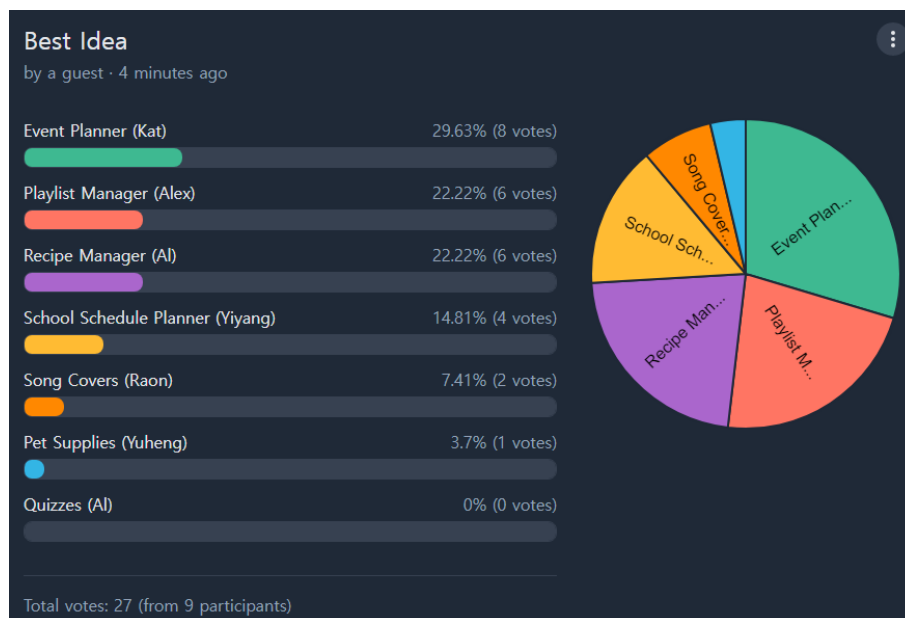Backend - Sameer
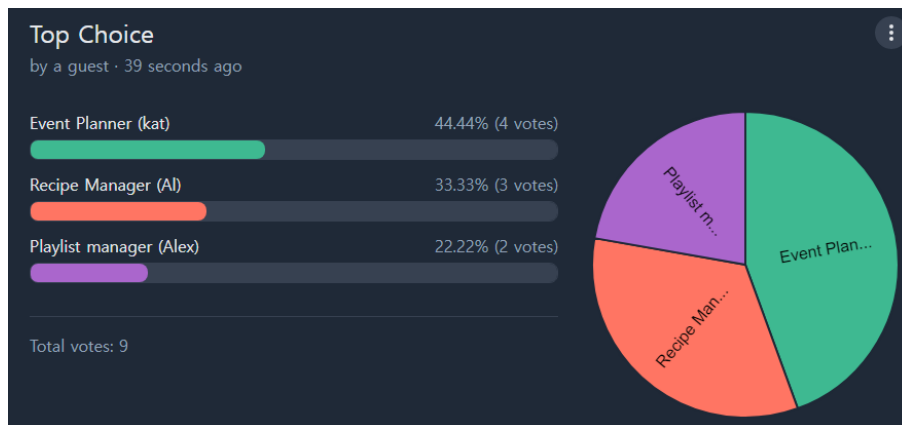backend - Alex

Project Overview:

Local-First Centralized Social Media Management Application
- Local First
  - Data is saved on the device and potentially synced when convenient
- Social Media Management
  - A tool that will interact with social media accounts
- Centralized
  - A tool that will interact with all of your social media accounts, not just one

Top Choice
by a guest · 39 seconds ago

Event Planner (kat) — 44.44% (4 votes)

Recipe Manager (Al) — 33.33% (3 votes)

Playlist manager (Alex) — 22.22% (2 votes)

Total votes: 9

Alex: 1
- Problem:
    - Most music services available have a premium attached for the best experience (no ads, offline mode, downloading, unlimited skips, etc), so some people might want to avoid payment while still having control and full access over the music they like.

- How to address problem
    - A local first music archive where people can locally upload their own music creates an environment where there are no ads, available offline mode, and collaboration with a local first architecture.
    - Creation of playlists to be shared on social media
    - CRUD
        - C: Create a playlist (upload music files)
        - R: "Read" a song by searching for it
        - U: Update playlist description or song title/artist
        - D: Delete playlist
    - Extra stuff
        - Ability to rate and review songs/playlists to share on social media

Kat:
- Problem: Planning/managing events on different social media platforms
    - not everyone has the same social media platforms/use it to the same degree
    - group chats = spam + not everyone is in the loop because details can easily get lost
- Solution:
    - app that creates and manages events and can be sent to everyone invited through a social media link
    - encourage collaboration by making it editable by anyone

- - - users can download the event details into their calendars in their own devices
      - updates local version when event details are changed
    - CRUD:
      - Create events
      - Read / Search Events
      - Update Events
      - Delete Events

AI:
- Problem:
  - Trying to figure out what ingredients you have in the fridge, and come up with a list of recipes.
- How to address the problem
  - Whenever we put groceries into the fridge, use an app for cataloging the ingredients as the first component. You will be able to see the list of ingredients in the fridge through the app. Second component involves the generation of recipes based on the ingredients in the fridge.
  - CRUD
    - C: Creation of recipes
    - R: Read the ingredients
    - U: Update list of ingredients
    - D: Delete ingredients once used

- Problem:
  - Wanna improve your knowledge about certain areas and like quizzes?
- How to address the problem
  - Create a quiz web application which helps people learn. 1st area lets you select the categories (could be CS related, history, language, geography, etc.). In the settings, users can choose the amount of questions and the difficulty. If having trouble answering questions, hints would pop up to give them a nudge in the right direction. Have a leaderboard system and multiplayer (coop and pvp mode) for the social aspect. Your profiles would have a ranking of what categories you are best at.
  - CRUD
    - C: Creation of profiles
    - R: Read other people profiles
    - U: Update your profile
    - D: Delete profile

Yuheng:
- Problem:
  Pet supplies in local stores are sometimes deficient. People sometimes can buy what they want.
- How to address the problem : A platform that shares information about pet supplies and you can also buy them from this platform. The platform will have clear classifications of pet supplies according to pet breed, product price, product type and so on. It is just like an online shopping platform.
- C:Creation of pet supplies search

- R:Creation of pet supplies search result
- U:Update search results
- D: Delete search results

Raon :
- Problem :
  - As someone who likes to listen to music, I would like to find cover songs of my favorite songs on various platforms. Since there are multiple platforms, sometimes I can't find the best covers of the songs simply because I am not using those apps. I will be able to select/save the songs I would like to see covers, and those cover videos will be exposed in my feed.
- How to address the problem :
  - Users search for songs they like to listen to. (Can select/save/favorite)
  - App searches various platforms via text search, hashtag, song recognition
    - (YouTube, Facebook, Instagram, Tiktok, etc.)
  - Cover videos are selected via Views, Likes, Shared counts
    - The App accesses the user's social media accounts to search for his/her liked songs. It can also be used as an algorithm to show recommendations.
  - If a user likes some of the covers, the app can then show other cover songs of that singer.
    - Also gives credit to the original videos

Yiyang:
- Problem:
  - As UCSD stem students, we are often crushed by the courses that the school has to offer. Many people turn in or even start assignments very late right before the dead line. While planers do exist out there, it takes time to figure out when exactly you have time given your schedule, So it might be appealing to make a more specialized UCSD planner to help with time management.
  - How to address the problem:
    - I think the app should be able to take a screenshot of one's schedule and then create this overview of someones schedule with number of hours (including free, lecture, discussion, lab… time separated per day/week)
    - Then, the schedule that's createdcan be directly edite upon. So if there's an event planned, it should be added visually similar to how we add a course. I.e., an event is a rectangular box that's on top of the schedule.
    - Basic planner features should be available: adding events, making their urgencies, etc.
    - The user can also send their planner schedule to others during a group project. They can send with details masked or unmasked(just time is available) and multiple schedules can be compared. Calculates the time where people are available for work.