

1. Based on the reports of your fellow classmates during our last class (2023-09-08), please briefly summarize any new ideas for apps to solve people's problems that you have come up with as a result of listening to other students.

A.I have come across a student who mentioned in one of their survey's that, wanted an improvement of adding more details transit directions, provide options for offline maps and navigation continuously update and improve mapping data for comprehensive coverage.

So, I have come up with few thoughts which are as follows:

- **Efficient Recentering-** Use a power-saving GPS mode to check the user's location less frequently.
- Connect to transit data sources for schedules and real-time updates.
- **Offline Maps-** Enable users to download maps for use without an internet connection.
- **Battery Saving-** Optimize GPS usage and screen brightness for lower energy consumption.
- **Fast Recentering-** Predict the user's next location to reduce GPS usage.
- **Offline Navigation-** Make maps available for offline use with efficient storage.

2. Several people mentioned the “conflict” between the desire to have a free app, and developers' desire (and need) to get compensated. Can you suggest any ways by which developers can reap their creativities and efforts rewards without alienating their “customer base” by inundating with ads and/or charging them.

A. Provide a free, minimal version of the app with a limited feature set.

Offer advanced features, more material, or ad-free access as a premium or subscription alternative.

Before deciding to upgrade, let users discover the app's worth.

To accommodate varied customer preferences, provide various membership tiers with different perks.

Users are given the option to select the amount of access that best fits them, enabling more specialized monetization.

3. Please point to any app/software/website that offers in your opinion an excellent UI/UX. Briefly explain in what ways you find its UI/UX to be so good.

A.I personally think the best UI/UX is offered by the built-in app “Health” on Iphone. This app is versatile in nature, it can be used as a period tracker, exercise/activity

tracker, shows highlights including the stats of our health during the week and has other features which can be used very easily.

It is very user-friendly and has simple instructions that results in the overall betterment of our day-to-day life. It is also very colorful and helps playing around and exploring every feature it has to offer in a much fun way.

4. Have last class's discussions and/or items #1-3 gotten you closer toward a page / app you would like to pursue as a project for this course? Please discuss briefly.

#### A. Mood Detecting Chat App:

Creating a sentiment analysis chat application that changes the color of the chat box based on the mood detected.

Understanding the emotional context of talks is crucial for effective communication in the age of digital communication. This project seeks to create a mood analysis chat application that lets users use emoticons/buttons to convey their moods, changing the chat box's color to reflect the mood of the other user. This programme will not only improve user experience but also offer insightful data on conversational emotional tones.

#### Aim:

- Develop a user-friendly interface that enables users to choose their emotional state from a variety of emoticons or buttons (such as happy, sad, or angry).
- Use a sentiment analysis algorithm to evaluate the user's choice of mood and choose the appropriate color representation (i.e., ex: Yellow, Black, Red respectively).
- Change the chat box's color dynamically in response to sentiment analysis to reflect the emotional state of your conversation partner.