Homework Assignment 1: Reflections, ideas, and planning.

1. Based on the reports of your fellow classmates during our last class (2023-09-25), 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.

   Ans: **Eco-friendly shopping app:** A shopping assistant software that supports eco-conscious purchasing. It uses barcode scanning to offer details about a product's environmental effects and proposes eco-friendly substitutes.

   Sustainable transportation planner: An app that integrates ride-sharing, public transportation, and environmentally friendly modes of mobility including bicycling and walking. It determines the routes that are both time and environmentally favourable.

   AI Mental health: An app that uses artificial intelligence to evaluate mental health and offer tailored resources is called AI Mental Health Assessment. It provides access to licenced specialists, coping mechanisms, and mental health examinations as required.

   Community Driven Local News: A hyper-local news app that relies on community contributions for real-time updates on local news, safety warnings, and activities taking place in the neighbourhood. It encourages civic involvement and a sense of community.

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 creativity's and efforts' rewards without alienating their "customer base" by inundating them with ads and/or charging them?

   Ans: **Plans for Subscriptions:** Provide subscription tiers at various price points. Ad-free browsing, early access to updates, and premium content are all available to subscribers. A restricted or ad-filled version of the app is still accessible to non-subscribers.

   Data Monetization: While adhering to privacy laws and receiving user authorization, utilise anonymized user data to produce insights or reports that may be sold to companies or researchers that are interested.

   Community engagement: Encourage a vibrant app community through community engagement. Engaged users are more inclined to help

developers by making donations, spreading the word about them, and remaining loyal.

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.

    Ans: As of my most recent knowledge update in September 2021, Apple's iOS operating system, notably on iPhones, is one example of an application with a fantastic UI/UX. Here's why I think its UI/UX is outstanding:

    Effective Multitasking: iOS has features that make it simple for users to multitask successfully, including app switching, split-screen mode, and rapid access to the Control Centre.

    Security and privacy: iOS places a high priority on user privacy and security, and it makes this evident to users. Secure authentication is provided by features like Face ID and Touch ID.

    Regular updates: Apple often provides updates that enhance UI/UX and correct issues. A consistently improved user experience is ensured by this dedication to improvement.

    Typography and Readability: iOS has outstanding readability thanks to the font selection, text size, and spacing. For user comfort, especially on mobile devices, this is essential.

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.

Ans: I want to do project on split wise app. The major problem some of my friends identified is people can pay the bills by seeing in the group. But they cant settle up the amount individually in the group. The improvements that they need an option called settling the amount whenever they paid from the bank. I choose this application because it is most widely using application by everyone. The basic tools need to this application are HTML, CSS, XML, basic sql queries and some other tools. This is the major problem I have till now about the application that I have researched. Thank you.