▾ Flutter App Project Proposal

Team Members and GitHub Accounts:

The project development must be tracked on GitHub. Please provide the account you plan to use for this project.

1. [Name 1] - [GitHub Username/Link]
2. [Name 2] - [GitHub Username/Link]
3. [Name 3] - [GitHub Username/Link]
4. [Name 4] - [GitHub Username/Link]

App Name:
Provide a tentative name for your app.

App Description:
In a few sentences, briefly describe what your app does and its main purpose.

Target Audience:
Who is your app designed for? E.g., Students, Travelers, Fitness enthusiasts, etc.

Key Features:
List down the primary functionalities or services that your app will offer.

1. **Feature 1:**
   Short description of the feature and its purpose.

2. **Feature 2:**
   Short description of the feature and its purpose.

3. **Feature 3:**
   Short description of the feature and its purpose.

(and so on for each feature they've identified)

Additional Notes (Optional):
Any challenges anticipated, resources needed, or any other relevant details.

Instructions:

1. Collaborate with your team members and brainstorm about the app idea.
2. Ensure that the idea is original, feasible, and can be executed within the timeframe of the course.
3. Consider designing an app that might help a local business or provides a utility.
4. Fill out the proposal form above and ensure it's concise and clear. It should be less than a page.
5. Once completed, submit your proposal in the dropbox.
6. If the proposal is accepted, you can move on to the next stage of development.

Note on Project Uniqueness:

If two project proposals are found to be overly similar, only one will be granted approval. The group that submitted their proposal earlier will receive the approval.

Important Notes on Grading:

- **Individual Contribution:** Your grade will be assessed on an individual basis. This means that even though you are working in a group, each member's contribution will be evaluated separately. Make sure you actively contribute to the project to earn your grade. Individual group members will have to specify their contributions and link to the GitHub commits that show the work they did.

- **Project Size & Complexity:** The complexity and size of your project will also play a role in your overall grade. While I do encourage ambitious projects, make sure it's feasible within the course duration.

Use of AI Tools: You're allowed to incorporate AI, such as ChatGPT, into your projects. I recognize the importance of familiarizing with emerging tools and technologies. However, if you decide to use any AI-generated content, you are responsible for it. If there's an error, malfunction, or any other issue related to the AI's output, the blame is on you. Always verify and ensure that the AI-generated works properly.

▾ Example Project: Online Marketplace App

App Name:
SwapShop

App Description:

SwapShop is a platform that facilitates the selling and buying of items online. Users can browse various categories, view items, and communicate with sellers to purchase items.

Target Audience:

Individuals looking to buy or sell items online, from personal belongings to handmade crafts.

Key Features:

1. **User Profiles:**

   Each user has a unique profile showcasing their details and the items they have listed for sale.

2. **Item Listings:**

   Sellers can list items with detailed descriptions, pricing, and images. Each listing allows potential buyers to contact the seller directly.

3. **Search and Filter:**

   Users can search for specific items and filter results by category, price range, and location.

4. **Direct Messaging:**

   Integrated chat functionality allows buyers and sellers to communicate within the app, facilitating seamless transactions.

5. **Image Uploads:**

   Sellers can upload multiple images for each item to give potential buyers a clear view of the product.

Technical Stack:

- **UI Development:** Flutter
- **User Management:** FirebaseAuth
- **Database:** Firestore (To store details of items and user profiles)
- **Image Storage:** Firebase Cloud Storage (For storing item images)
- **Messaging:** Firebase Messaging (For user-to-user communication)

A project like this should yield a high score because there are several components that needs to work together. This should also allow indivudal team members to take accountability of specific features of the app.

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