Group Project Proposal – Due 10/14/2024 @ 11:59 pm

Group Project Proposal – This must be approved by the Instructors Team

Each Member must upload a copy to the designated Dropbox in i-college

The project will be due on 10/28/2024@ at 11:59 pm.

A signed individual statement stating "I understand that you will be graded individually on group assignments and may not receive the same grade as all members". You MUST place this statement at the end of the document and then create a signature field as in (_____). All parties must play an important role as it relates to the implementation from start to finish. FYI- All Members will present an "Important phase" of the work.

In this project assignment, you will submit a proposal for your group project. This proposal must include:

- **Proposed Group Members**
- **Project summary**
- **Github Repository link for the project**
- **Proposed the wireframe** - visual representation detailed outline of the user interface (UI) and layout of an app.
    - **Layouts** - Number and name of unique screens in Project
    - **Functionality** - Proposed Use case from transitioning from screen to screen.
    - **User Experience** - Proposed Use cases for each Screen
    - **Iterative design** – Test cases and approach to refine the improvements.

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When selecting a project idea, consider the scope and complexity of the app, the target audience, and the technologies you'll need to use. Ensure that your proposal outlines the app's purpose, features, and potential benefits to users.

Project ideas: You MUST Select a topic from the list below:

1. **Local Events Finder** - Create an app that aggregates local events and activities based on the user's location. Include filters for different types of events, dates, and venues.

2. **Fitness Tracker App**: Develop a fitness app that tracks users' workouts, calories burned, and progress over time. Consider adding features like workout routines, meal planning, and social sharing.

3. **Recipe and Meal Planning App -** Design an app that provides users with recipes, meal-planning tools, and grocery lists. Consider including dietary filters and the ability to save favorite recipes.

4. **Pet Care App (Bunny, Hamster, Dog, or Cat):** Develop an app for pet enthusiasts to track administering food, and water schedules, receive care tips, and identify illnesses. No other pets are allowed.

5. **Mindfulness and Stress Reduction**: Create an app that offers mindfulness exercises, stress reduction techniques, and daily affirmations to promote mental well-being.

6. **Personal Finance Manager** - Build an app that helps users manage their personal finances by tracking income, expenses, savings goals, and investments.

Use local storage to save app data like custom flash cards, journal entries, and mood data locally on the device.

HOW TO SUBMIT – **We are Enforcing the mandatory use of GitHub for project submission and development; We will need the YouTube video link, PowerPoint slide, APK file, and GitHub URL to the repo.**

1. **Create a GitHub Repository**:
   - Go to GitHub (https://github.com/) and sign in to your account.
   - Click on the "+" icon in the top right corner of the page and select "New repository".
   - Enter a name for your repository, add a description if you want, and choose whether the repository will be public or private.
   - Click on the "Create repository" button.
   - Add your team members as collaborators.
2. **Clone the Repository**:
   - On your local machine, open a terminal or command prompt.
   - Use the **git clone** command to clone the repository to your local machine. Replace **[repository URL]** with the URL of your GitHub repository.
   - Navigate into the cloned repository directory using the **cd** command.
3. **Initialize Flutter Project**:
   flutter create [project_name]
   - Navigate into the newly created project directory:
   cd [project_name]
4. **Commit and Push Changes**:
   - Add all the files in your project to the staging area using the following command:
   - Commit the changes with a descriptive message:
   git commit -m "Initial commit"
   - Push the changes to the GitHub repository.
5. **Verify Changes on GitHub**:
   - Go back to your GitHub repository page in your web browser and verify that your Flutter project files are now visible.
6. **Additional Steps**:
   - If you're working with a team, you may want to set up branch protection rules and use pull requests for code review.
   - Include a **README.md** file in your project directory with instructions on how to run and use your Flutter app.
7. **Submit the GitHub Repository Link**:
   - Once your Flutter project is set up on GitHub, submit the link to your repository as required for your project submission. Include the **Repository link in the proposal.**

Project submission details.

Along with the GitHub link, include the APK file and a team presentation. Add the presentation link in the README file. You can upload the presentation to YouTube and provide the link there. The presentation should explain the project and demo the app. Please see the second document about the additional submission requirements.

Statement:

We, the undersigned members of the group, acknowledge that we understand the conditions set forth in this proposal. We are committed to actively participating in the implementation of the group project from start to finish. We understand that individual grades may vary based on our contributions and performance, and we agree to present an important phase of the work collectively.

Signed proposal:

Name: FN_____ _____ LN _____ _____ [   ]

Name: FN_____ _____ LN _____ _____ [   ]

Name: FN_____ _____ LN _____ _____ [   ]

This proposal delineates our strategy for crafting an engaging interactive website, emphasizing the utilization of Flutter to orchestrate captivating user experiences. We contend that this initiative resonates deeply with the core tenets of the Flutter framework, particularly its focus on seamless UI development, widget-based architecture, and expressive animations. By harnessing Flutter's robust capabilities, including its rich widget library, reactive framework, and hot reload feature, we aim to deliver an immersive digital platform that seamlessly integrates visually stunning designs with fluid user interactions. We are enthusiastic about the prospects of this endeavor and are eager to embark on this journey to materialize our vision.

You will submit the proposal in a PDF or Word Format

NO LATE SUBMISSION WILL BE ALLOWED