**Create a Flutter Application**

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**Objective:**  
**QuickTask** is a simplified task management app designed to help users organize their tasks efficiently.  
This project aims to introduce students to Flutter and Back4App by building a basic task management app with essential features.  
  
**Features:**  
  
1. User Authentication:  
   - Implement basic user authentication using Back4App.  
   - Allow users to sign up and log in to the app securely.  
  
2. Task Management:  
   - Users can add, view, and delete tasks.  
   - Each task should have a title and a due date.  
  
3. Task Status:  
   - Tasks can be marked as completed or incomplete.  
   - Provide an option to toggle the status of tasks.  
  
**Additional Features (Optional):**  
- Edit Task: Allow users to edit task details such as the title and due date.  
- Simple UI Enhancements: Add basic styling and layout improvements to enhance the user experience.  
- Error Handling: Implement basic error handling for authentication and data management.  
  
**Project Structure:**  
- Frontend: Develop the app's frontend using Flutter with a simple and minimalistic user interface.  
- Backend: Set up the backend using Back4App to handle user authentication and data storage.  
- Integration: Connect the frontend and backend to enable basic CRUD operations for tasks.  
  
**Submission Requirements:**  
- Students should create a private repository on GitHub to upload their projects.  
- The repository should include the Flutter project files along with any necessary configuration files.  
- Students must submit the GitHub repository link along with their completed project

- Create a one-minute working video upload on YouTube and share that link   
  
Timeline: As discussed in class  
   
**Assessment Criteria:**  
- Completion of basic features (user authentication, task management).  
- Code organization and readability.  
- Successful integration of frontend and backend.  
- Adherence to submission requirements.  
  
**Conclusion:**  
QuickTask provides students with a hands-on opportunity to practice their Flutter and Back4App skills by building a simple yet functional task management app.  
By completing this project, students will gain valuable experience in app development and learn how to utilize cloud-based backend services for data storage and user authentication.

YouTube link- <https://youtu.be/vPn_zA06UNQ?si=xMFXf46uvkBjg0Uq>



