

Flutter Take Home Assignment

Project Mini Profiles App

1. Objective

Build a Flutter application that displays a list of user profiles from a bundled JSON file and allows users to navigate to a detailed profile view. This assignment evaluates your Flutter fundamentals, UI implementation, code structure, and data handling practices.

2. Functional Requirements

2.1 Profiles List Screen

- Display a vertical scrollable list of profile cards
- Each card must include profile image name age and short bio
- Tapping a card opens the detail screen

2.2 Profile Detail Screen

- Show large profile image
- Display name and age
- Display full bio or description
- Display at least three interest tags
- Back navigation to list screen

2.3 Data Source

- Profiles must be loaded from a local JSON file inside the assets folder
- Do not hardcode user data inside Dart files
- Use Dart models for parsing JSON

2.4 Loading and Error Handling

- Show a loading indicator while reading the JSON file
- Handle malformed or missing JSON gracefully
- Show user friendly failure messages and avoid crashes

3. Technical Expectations

- Follow clean code principles
- Maintain modular project structure
- Follow null safety standards

- Keep UI code separate from data logic

4. UI Expectations

- Clean and readable UI design
- Consistent layout and spacing
- Graceful handling of long text
- Basic responsiveness for different screen sizes

5. Testing (Optional)

If you include tests add at least one unit test or widget test and mention how to run it in the README file

6. Deliverables

- Submit a ZIP file of the full Flutter project
- Include a README.md with setup and build instructions
- Mention Flutter and Dart versions used
- Document architecture decisions and assumptions

7. Evaluation Criteria

- Code organization and cleanliness
- UI clarity and navigation
- Correct JSON loading and parsing
- Error handling and stability
- Ease of building and running the project

Submission Instructions

Submit the ZIP file along with the README via the hiring channel shared with you. Ensure the app builds successfully without additional configuration.