

# 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.