

## **Pre-Screening Assessment Task for Flutter Developer Position**

### **Objective:**

The goal of this assessment task is to evaluate the candidate's proficiency in Flutter by assigning them a practical project that reflects the type of work they would be doing for the "neu-social" app. This will help assess their coding skills, understanding of Flutter, and ability to implement required features.

### **Task Overview:**

Develop a basic version of the "neu-social" community feature where users can create and join different types of communities. The app should include user sign-up, interest selection, community creation, and an interactive feed.

### **Task Requirements:**

#### **1. User Sign-Up and Interest Selection:**

- Create a sign-up screen where users can register using their email and password.
- After signing up, present a screen where users can select their interests from a predefined list.
- Store the selected interests locally (e.g., using SQLite or SharedPreferences).

#### **2. Community Creation:**

- Implement a screen where users can create new communities. Communities can be public, private, event-based, invitation-based, or paid.
- Each community should have a name, description, and type selection.

#### **3. Community Feed:**

- Create a feed screen that displays communities based on the user's selected interests.
- Implement a basic layout to show community details (name, description, type) in the feed.

#### **4. Community Detail and Interaction:**

- Implement a detail screen for each community where users can see more information and join the community.
- Allow users to post text content in communities they have joined.

## **5. Event Organization:**

- Allow users to create events within the communities they have joined.
- Display events in a calendar view and a list view within the community detail screen.

## **6. Basic UI/UX:**

- Ensure the app has a clean and intuitive user interface.
- Follow best practices for Flutter development to ensure smooth performance and usability.

### **Deliverables:**

#### **1. Source Code:**

- Submit the complete source code of the Flutter app in a GitHub repository or as a ZIP file.
- Ensure the code is well-documented and includes comments where necessary.

#### **2. Readme File:**

- Include a README file with instructions on how to set up and run the app.
- Provide a brief description of the app's features and any assumptions made during development.

#### **3. Screenshots or Video:**

- Include screenshots or a short video demonstrating the functionality of the app.

### **Evaluation Criteria:**

#### **1. Functionality:**

- Does the app meet all the specified requirements?
- Are there any bugs or issues during usage?

#### **2. Code Quality:**

- Is the code well-organized, readable, and maintainable?
- Are best practices for Flutter development followed?

#### **3. UI/UX:**

- Is the user interface clean and intuitive?

- How well does the app handle different screen sizes and orientations?

#### **4. Performance:**

- Does the app run smoothly without noticeable lag or delays?
- Are any performance optimizations implemented?

#### **Submission Deadline:**

- One week from the date of assignment, And this needs to be sent at [avinash@neunormal.com](mailto:avinash@neunormal.com)

#### **Notes:**

- Candidates are encouraged to ask questions if any part of the task is unclear.
- Please revert to [avinash@neunormal.com](mailto:avinash@neunormal.com) for any further clarification.