



# Codeway & Flutter Developer

## Case Study

### Welcome

Thank you for devoting your time to this case study. We greatly appreciate it.

In this case study, we aim to understand:

- Your approach to gaming art
- Your strengths
- Potential areas for improvement

Most important of all, this case study will help us create a conversation space where we can exchange our thoughts and expectations on a deeper level.

### Introduction

#### Required App Features:

- TODOs must be grouped day by day and sorted according to the priority of each TODO.
- Utilize Firebase for user authentication, Firestore for data storage, and Storage for attachment uploads.
- State Management: Use GetX. Do not use SetState.
- User Authentication: Implement user sign-in and sign-up functionality using Firebase Authentication.
- TODO Management: Utilize Firebase Firestore to store and retrieve user TODOs. A TODO must have the following properties: "title, note, priority, due date, category, tags."



## Screens:

- **Sign-in and Sign-up Screens:** Design and implement screens for user authentication. Users should be able to sign in or sign up using Firebase Authentication.
- **TODO List Screen:** Create a screen to display the list of user TODOs. Implement functionalities to view, edit, and delete TODOs. TODOs must be sorted by priority.
- **Create New TODO Screen:** Develop a screen for users to create a new TODO. Include input fields for the title, note, priority, due date, category, tags, and an optional attachment.

## Bonuses:

- **Attachment Feature:** Implement the optional property for a TODO, allowing users to attach a photo or file. Uploaded attachments should be stored in Firebase Storage.
- **Local Notifications:** Set up local notifications to remind users of upcoming TODOs. Notifications should be sent one day and five minutes before the due date.
- **Biometric Authentication:** Implement a method channel for biometric authentication. Users should have the option to authenticate using biometrics.
- **Search Functionality:** Implement a search feature to allow users to search and filter their TODOs based on different criteria.



## Legal Notice

We acknowledge that any work and analysis to be produced during the implementation of this recruitment task shall be deemed as confidential information and we undertake not to disclose, share, and expose any information or work that obtained from the recruitment task to third parties, without your consent. This document and attachments are confidential, legally privileged and intended solely for the addressee. Access to this document by anyone else is unauthorized. If you are not the intended recipient, any disclosure, copying, distribution or any action taken or omitted to be taken in reliance on it, is prohibited and may be unlawful.

Dream, measure, build, repeat

**Codeway**