



# 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.



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Dream, measure, build, repeat

**Codeway**