

## INTRO/ABSTRACT

WiseWallet is an iOS & Android mobile application developed with Flutter and Dart. Implementing firebase to manage the data flow of the app. Also, it uses Plaid to allow the user to link their current bank accounts. It aims to deliver an intuitive user budget management tool.

## METHODS

WiseWallet uses Flutter and Dart features to utilize Cloud Firestore. This creates a simple database with NoSQL, authentication, and cloud storage. Cloud Firestore allow us to securely manage accounts, user data, and feedback. WiseWallet allows live bank account connections from a API service called Plaid. This in turn allows users to directly keep track of their spending without the overlap making it simple for all users.

## RESULTS

The development of the WiseWallet app using Flutter and Dart, with integration of Plaid and Firebase database, has resulted in the ability to track expenses, create and manage budgets, and receive notifications for upcoming bills and provide us feedback to help us improve our application.

We faced several challenges during the development process, one of which was related to the linking of bank accounts. To address this issue, we had to reorganize some of the initialization code. The problem occurred due to errors in the code flow caused by the API import method we used initially. This experience taught us the importance of reviewing each step of the code before introducing new imports to prevent similar issues from happening in the future.

Overall, the combination of Flutter, Dart, Plaid, and Firebase has resulted in a robust and reliable financial management app that can be easily used by individuals looking to better manage their finances.

# WiseWallet is an iOS/Android App developed with Dart and Flutter

# Implementing FireBase services, such as Cloud Firestore, Authentication, and Cloud Messaging alongside Plaid's API. It aims to deliver a lightweight method of budget management.



Link to our website for more in-depth information regarding our timeline, demos, planning, and technology used.