

Overview:

The project involved developing a mobile application to transfer (send/receive) USD or gold with user's contacts and buy/sell gold. The client approached Mindfire to build a solution that would help them develop an e-wallet. Additionally, functionalities like a seamless onboarding process and premium support for any issues users might face were also included. This project helped the client to increase their online presence.

Client details:

Name: Confidential | **Industry:** Financial & Information | **Location:** USA

Technologies:

Flutter, Dart, Firebase, REST API, OAuth 2, Plaid (for payment)

3rd party utilities:

- State Management: MobX
- Networking: Dio
- Event Management: EventBus, RxDart
- Bank Account management: ACH (Automated clearing house) & Plaid
- Push Notifications: Firebase and Intercom
- SMS: Twilio
- Route & Navigation: Sailor Route
- Dependency Injection: Flutter Simple Dependency injection
- Sentry.io : To track crash and errors
- Multi-Language Support : flutter_i18n
- Simple Dependency Injection: Used for Inversion of Control throughout the app
- Referral management: Branch.io

3rd party tools used:

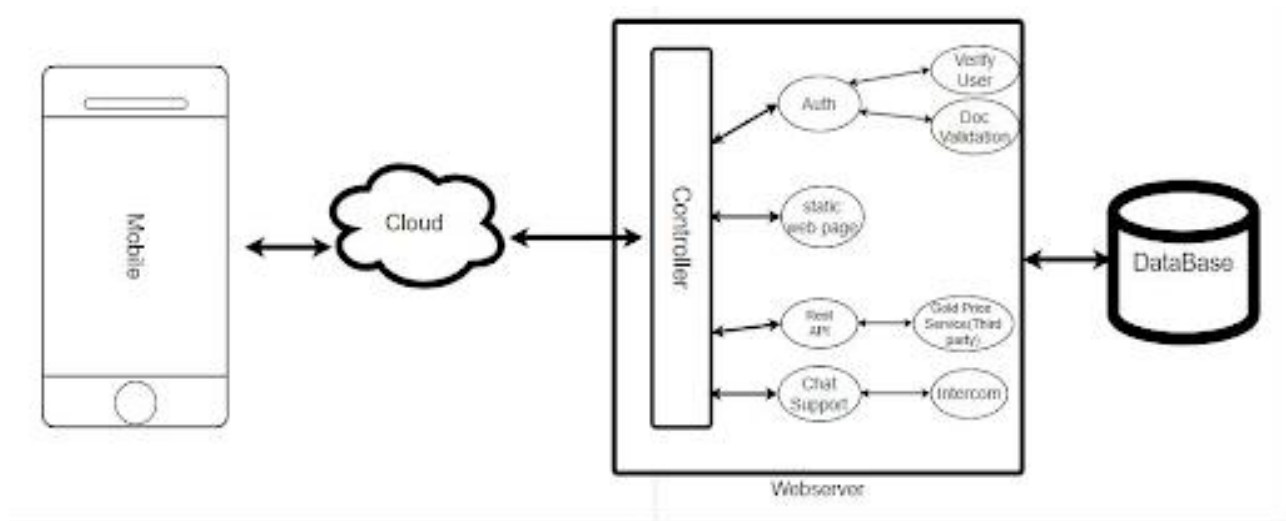
- Microsoft Azure: To build, test and manage application.
- Asana & Microsoft Azure: Used for project management.
- Code Magic: To automatically publish/deploy application.

Project Description:

The primary intent of the application was to develop a comprehensive solution with features to address the client's requirements and enable the client's users to preserve the value of their wealth. Mindfire developed an application with Google's cross-platform SDK i.e. Flutter. Some salient features of the application:

- The client's users can log in to the mobile application and transact as per their needs. They can buy, send or save gold/dollars in their vault. New users can complete their identity verification within minutes.
- The application is securely connected with the bank account for seamless transfer of money. The user can exchange any amount of dollar for gold and transact as per their needs, as well as send and receive payments in gold and dollars. The user can also gift gold/USD to their friends and family.
- They can transfer funds from the bank to the wallet instantly. Most of the wallets out there have transaction limits per day or month. With this application, users can practically transact with no limits.
- Given the constant devaluation in currencies globally, the user can convert their money to gold as it helps to preserve its value. They can be at peace knowing that the money is safe in the application.
- The app architecture revolves around pages, MobX stores, services, and API connectors. An event bus service is used for event notifications throughout the app. A few services like current user offer RxDart based streams for publishing changes.
- As the application was developed with Flutter, it helped save the development time for Android/iOS User base and retains uniform user experience across various devices.

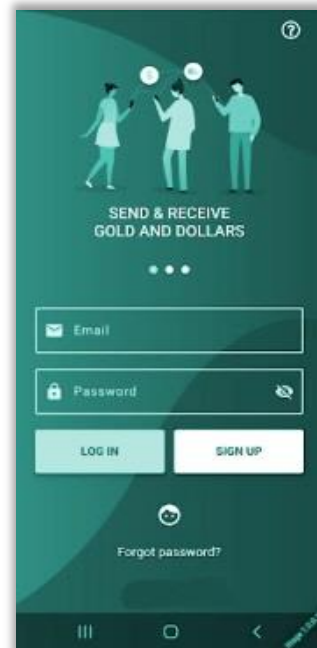
Architecture:



Screenshots



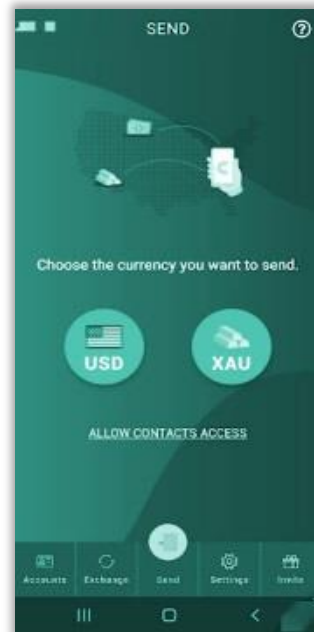
Screenshot 1: Sign Up



Screenshot 2: Sign In



Screenshot 3: Home Tab



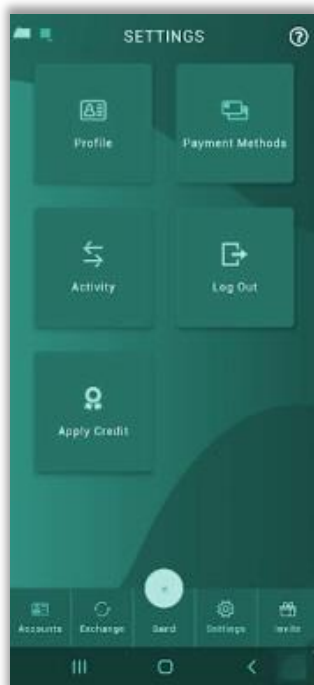
Screenshot 4: Account



Screenshot 5: Balance



Screenshot 6: Gold/USD Operations



Screenshot 7: Settings



Screenshot 8: Referral