CASE STUDY: BIZWISE

Technical Specifications

Technology: Android and iOS

Language: Java, Swift, and Node.js

Third-party tools: Socket.io and Firebase

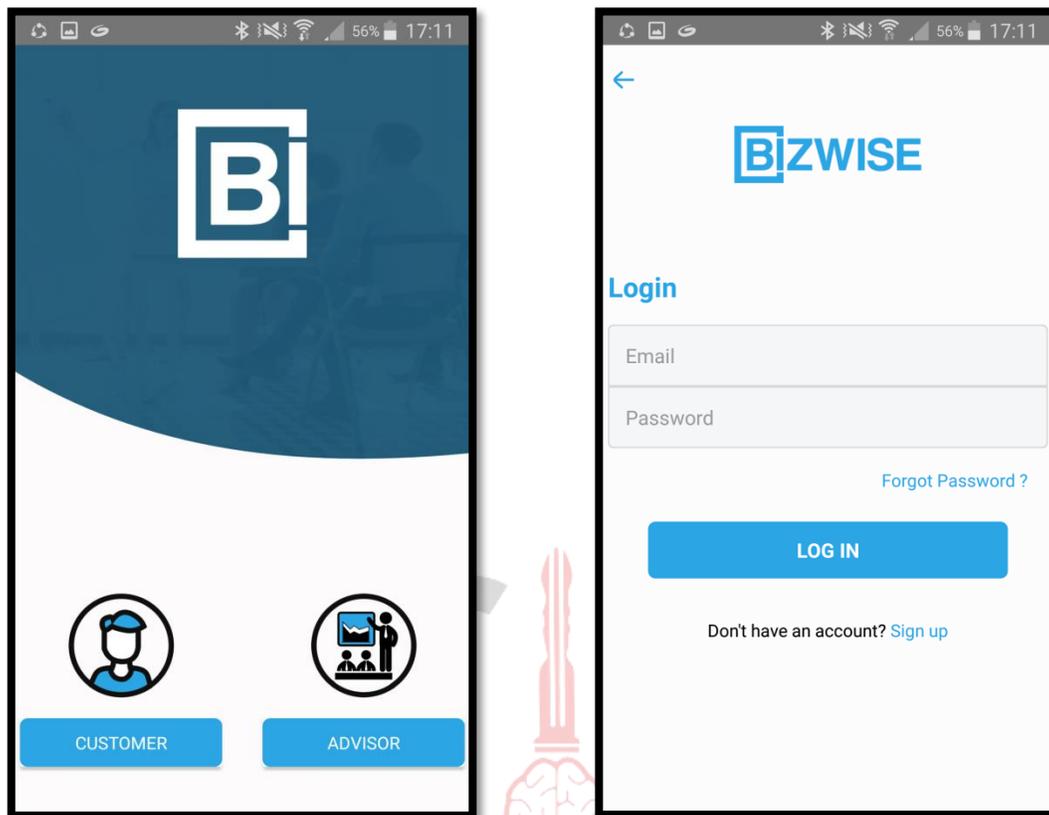**Design:** XML

Database: SQLite/AWS Amplify

Background:

The Bizwise mobile application is a job portal having two modules; one for the Customers and the other for Advisors. The main purpose of this platform is to connect industry professionals with customers for advisory/consultation.

In this portal, customers create a job and advisors' role is to find an appropriate job according to their skills and then send a proposal to customers by choosing type of contract (fixed/hourly), no. of hours required to accomplish the task(s), write some additional information like specifying milestones etc., and finally can send a proposal to the customer(s).

On the other hand, the customers' role is to check the job offer in the chat section and decide whether to accept or decline it. If accepted, the customer is supposed to share his credit card information which would be deducted for loading Escrow. If declined, the offer will be cancelled.

Once the job is accepted, advisors are also required to provide their account information.
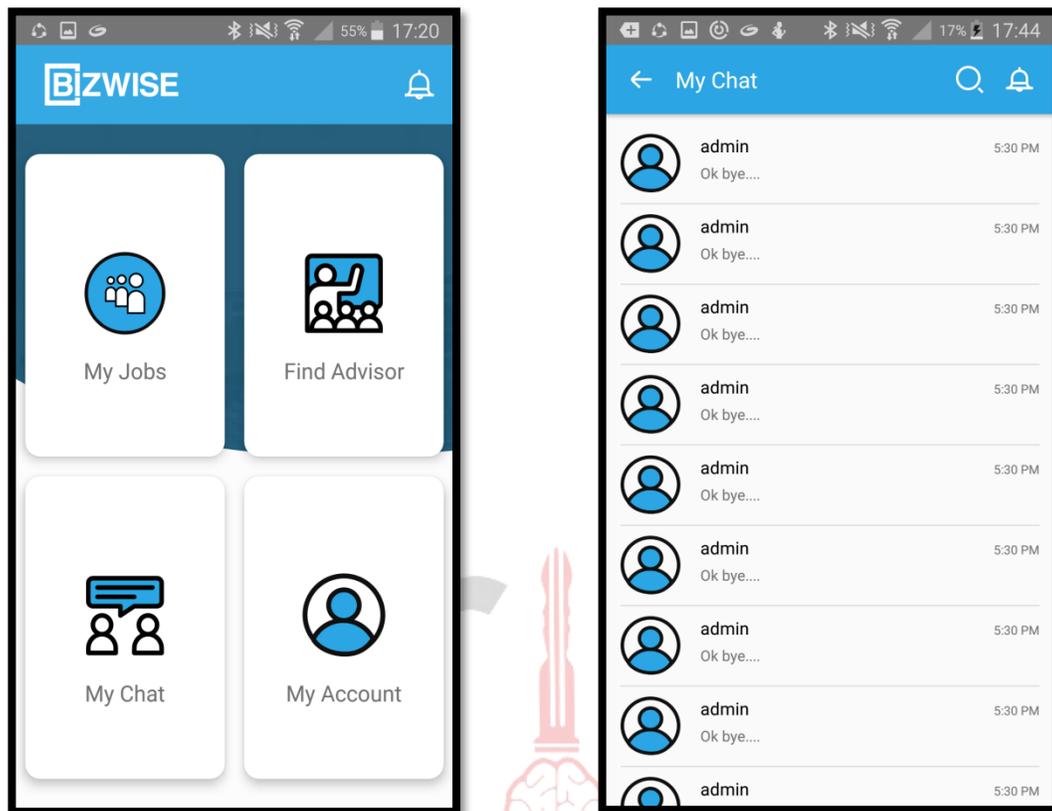
The Problems and Challenges:

The client approached Ariel Software Solutions Pvt. Ltd. with an idea of developing Android and iOS mobile applications for customers seeking advice or consultancy from professionals. This app needed to be developed from scratch having features similar to the Upwork jobs portal and a tutoring portal which helps connecting teachers & students for offline services.

We didn't face much issue while developing these applications. A few which we faced were only related to real-time chat such as:

- Socket chat implementation.

- When users (customers/advisors) shared images while chatting, it used to rotate automatically in the iOS version.

The Solution:

For an efficient delivery, we had a detailed conversation with the client about the designs and features that he wanted us to implement in this new app. This helped us in developing an application as per client's expectations.

- For socket chat implementation, we did some research and it was fixed really quickly.
- The image rotation issue in the chat section was resolved by implementing Fresco library.

Results:

Upon completion, the final deliverable was fully functional Android and iOS applications having the following features:

- Posting a job and accepting offer on customers' module.
- Making a job offer on advisors' module.
- Real-time chat.
- Notifications for new messages, job requests, job acceptance, new job post, etc.
- Secure Payment.