

## Vision

Fishing is an activity that has existed for thousands of years, but the process of fishing has remained relatively unchanged. Because of this, anglers can start to lose interest and feel fishing is repetitive with the only real incentives to fish being the fish itself. Our team aims to enhance the traditional fishing experience with FishQuest, which is a mobile fishing app for IOS and Android platforms.

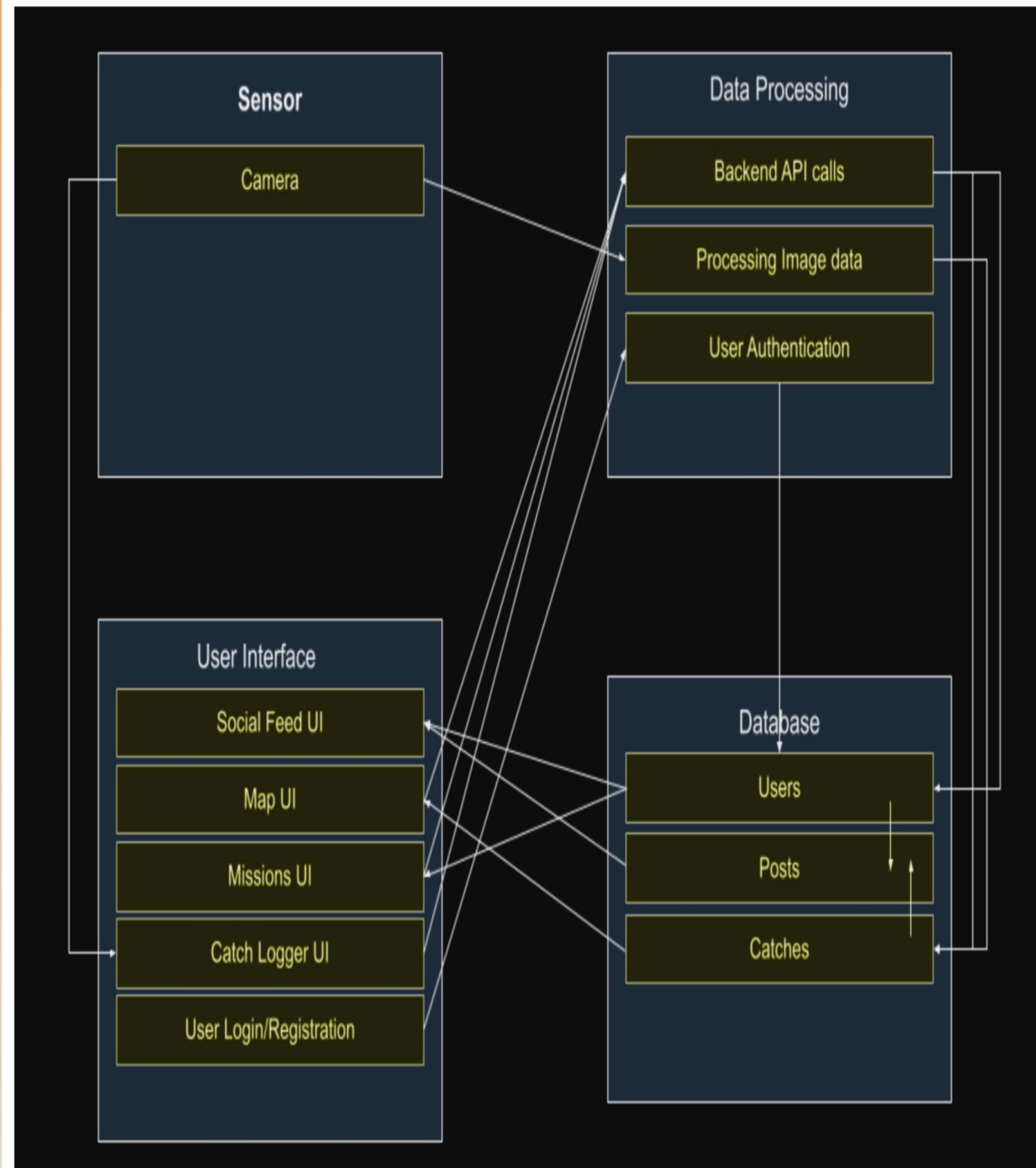
## Mission

There are several existing fishing applications on the market that serves their own unique purpose like a catch logger or a fishing location finder, but none of these applications alone can satisfy every fishing need that an angler has. FishQuest addresses this issue by providing a complete and versatile fishing platform that combine features like a catch logger, social media features, and a missions and reward system.

Social media is an important aspect of FishQuest because it allows the fishing community to stay interconnected. Many mainstream social media platforms like Instagram, TikTok, and Facebook exist but are not meant for fishing since they support content from all genres and dilute content related to fishing. With FishQuest, users will be able to enjoy a social media experience that is exclusive to only fishing content.

The missions and reward system is also an important aspect that makes fishing more exciting. In the past, popular mobile games such as Pokemon Go rose to fame because of in game mechanics that encourage users to explore the world and compete against one another. FishQuest takes inspiration from this game design to provide users with more incentive to go out and fish.

## Architectural Design Specification



## Key Requirements

- The app must have a user authentication system that will allow users to create an account, login, and sign out
- The app will contain a catch logger that allows users to submit and image and provide additional details about their catch
- The catch logger will utilize machine learning to detect the fish's species based on the image
- The app will contain a social media feed that displays logged catches from users that logged in user is following
- User can interact with posts on the feed page by liking and commenting
- Users can search and follow other users
- The app will contain a map feature that plots the positions of all previously logged catches
- The app will contain a missions and achievements system that generates fishing related missions for each user and reward them with experience points to level up their account upon completion of the mission

## Technologies Used

