

Landmark Remark iOS App

Landmark Remark is a simple iOS App project that allows users to store location based notes on a map.

Screenshots

5:36

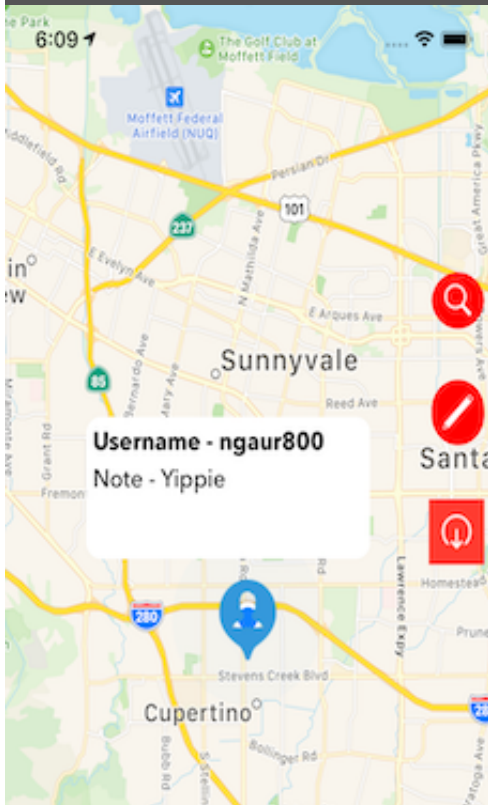
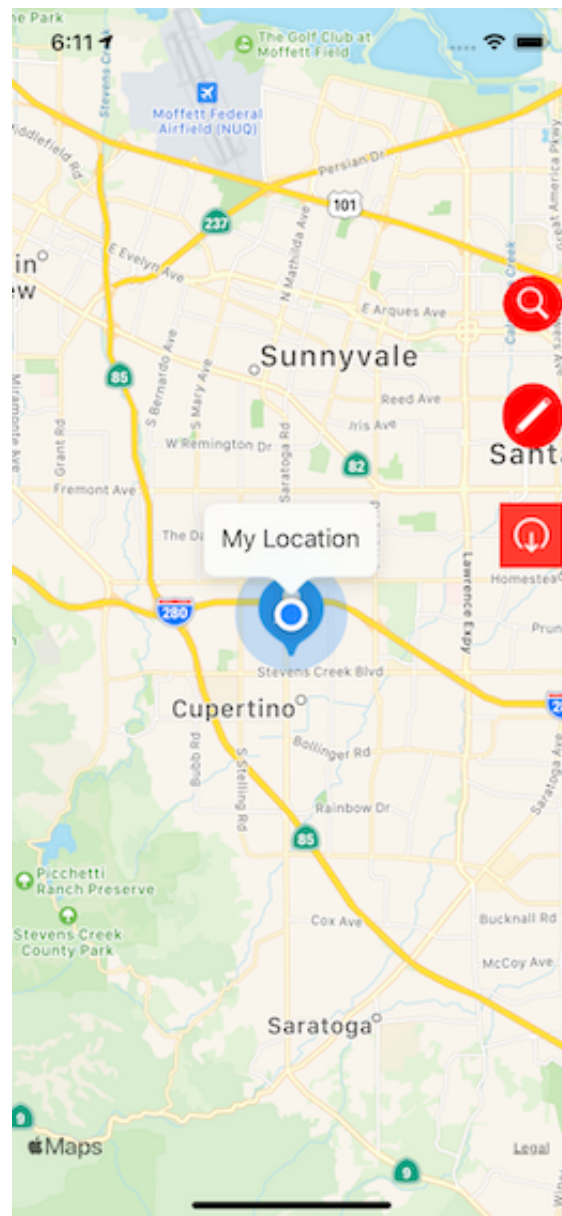
Login

E-Mail

Password

Login

[Create an account](#)





More screenshots will be provided with the description of their respective features further down this file.

Development Enviroment

The app is written entirely in Swift programming language. IDE used for this project was Xcode as it is the only one that is supported by Apple. Using Swift for the app was an easy choice: I liked Swift's expressive, concise, and powerful syntax. It's much faster, easier, and lets me be more productive.

Architecture

The iOS app follows the Model-View-ViewModel (MVVM) design pattern and uses modern app development practices including Storyboards and Auto Layout. The choice to choose MVVM design pattern was made to avoid massive **View Controllers**. The business logic is moved from View to the View Model which allows easy readability and also makes it easier to write test cases.

The user data is stored in the [Cloud Firestore](#). Information like Username and the location and content of the notes that the user has saved previously.

In the database, the location and content of the notes saved by a particular user are stored as a key - value pair which makes it easy to retrieve the data and show the location based notes on the map.

```
Location : Note
```

Firestore

The app makes considerable use of the following Firebase components:

- [Cloud Firestore](#) is our source for all user data(username, location of the notes, and the note text)
- [Firebase Authentication](#) is used to to authenticate users to our app.

Project Structure

```
| Model  
| Views  
| ViewModels  
| Extension  
| Screenshots
```

Features

The app has five main features which are listed below:

- 1.