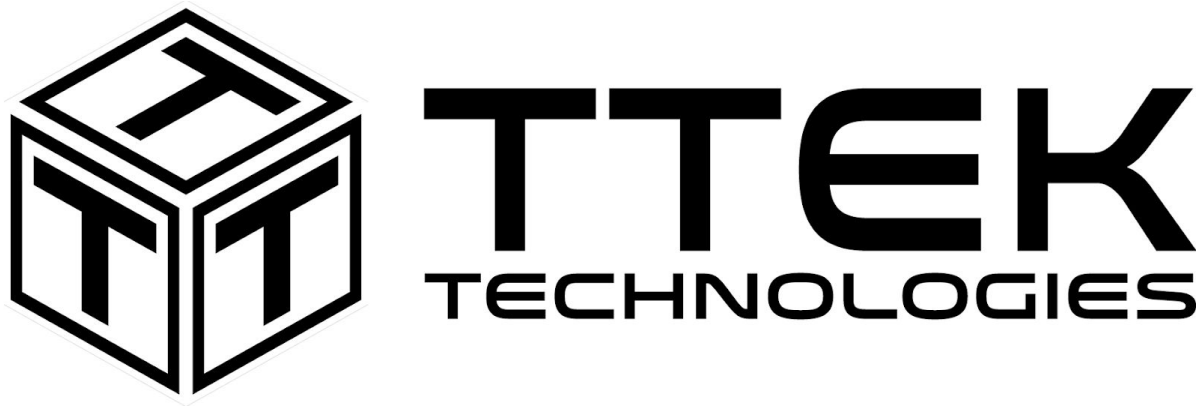

Blue Lakes Project

Final Design

https://github.com/mtdnichol/BlueLakesProject

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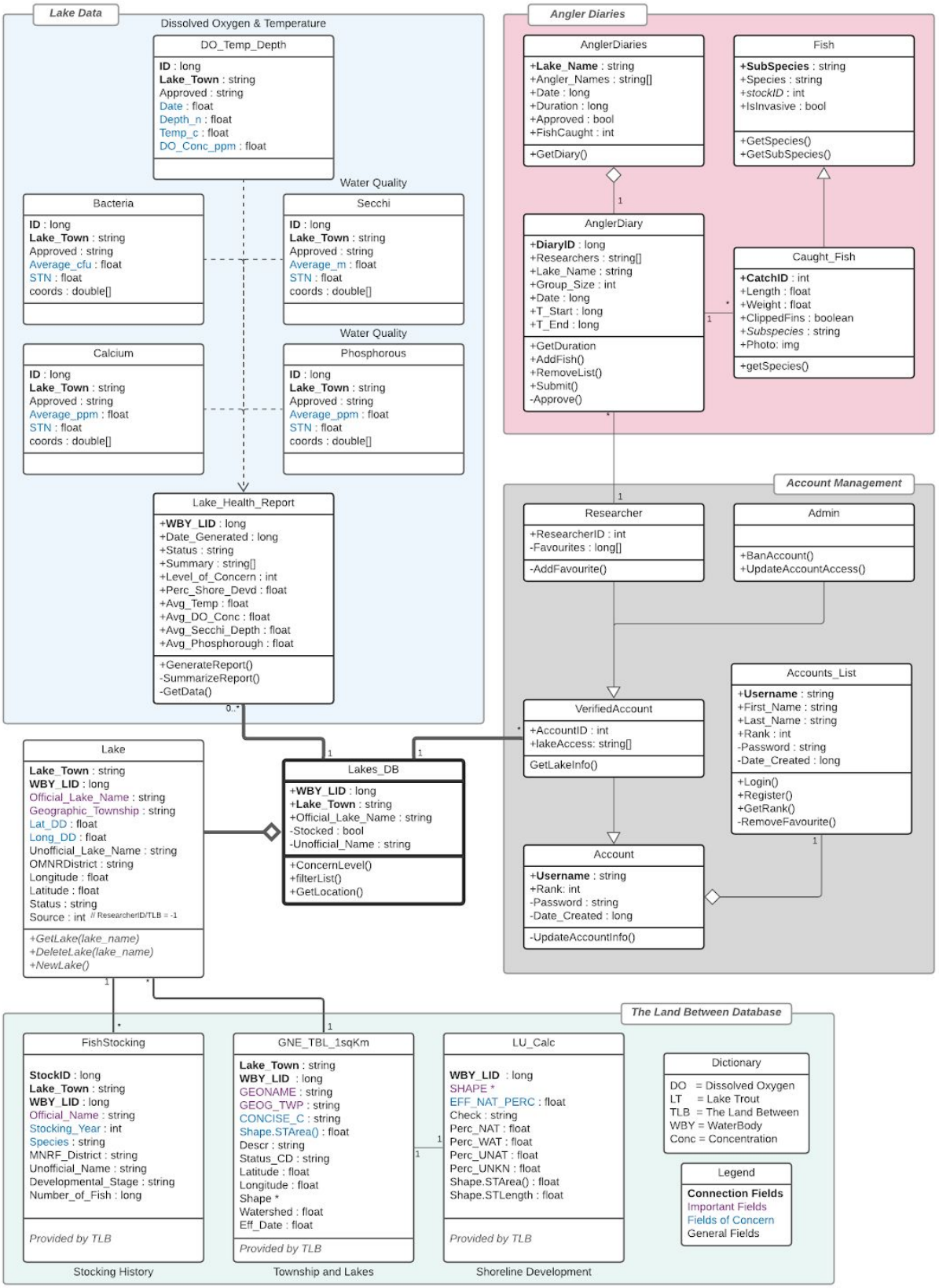
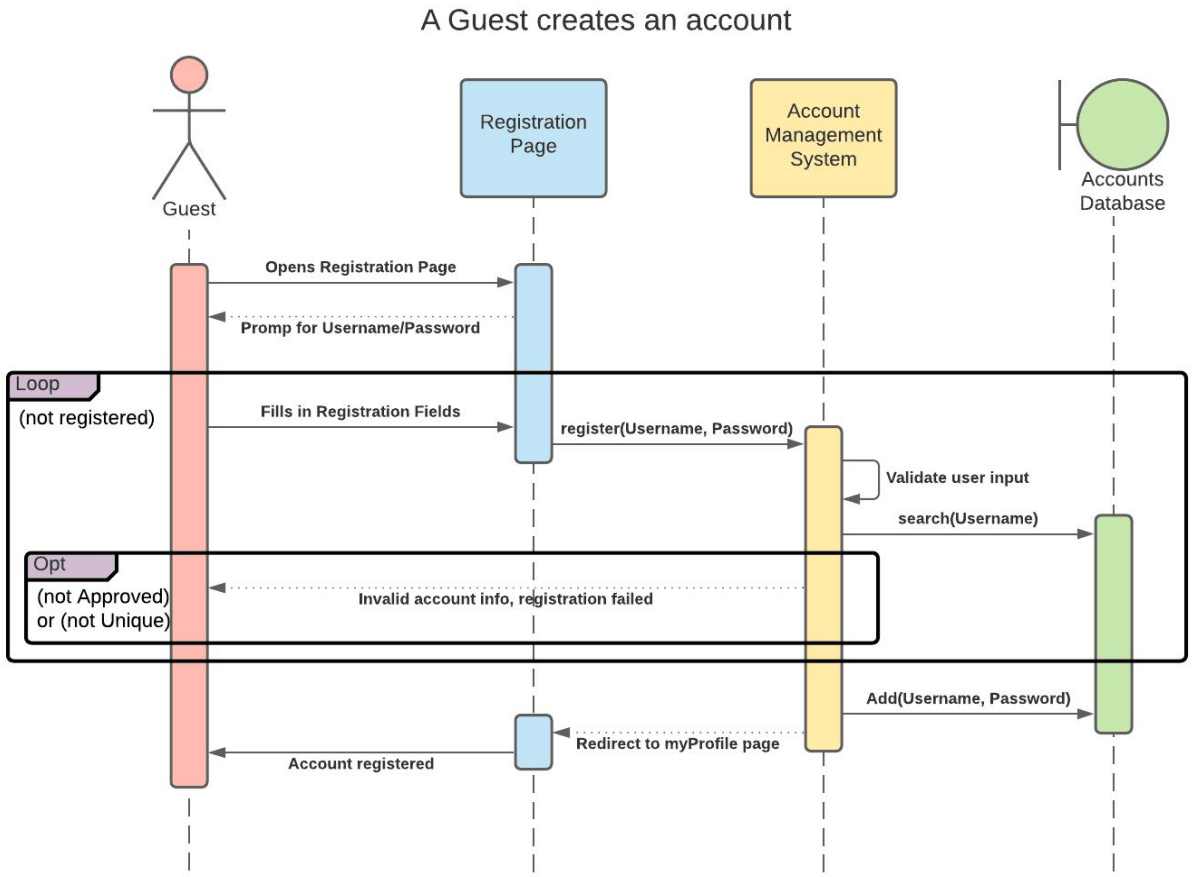
Class Diagram

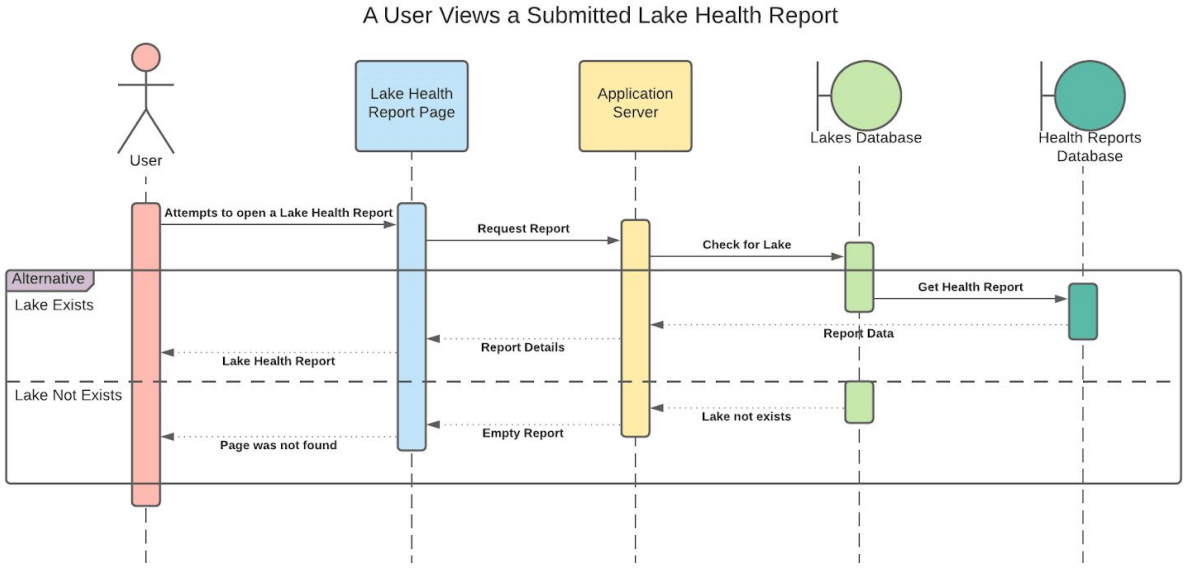


Sequence Diagrams

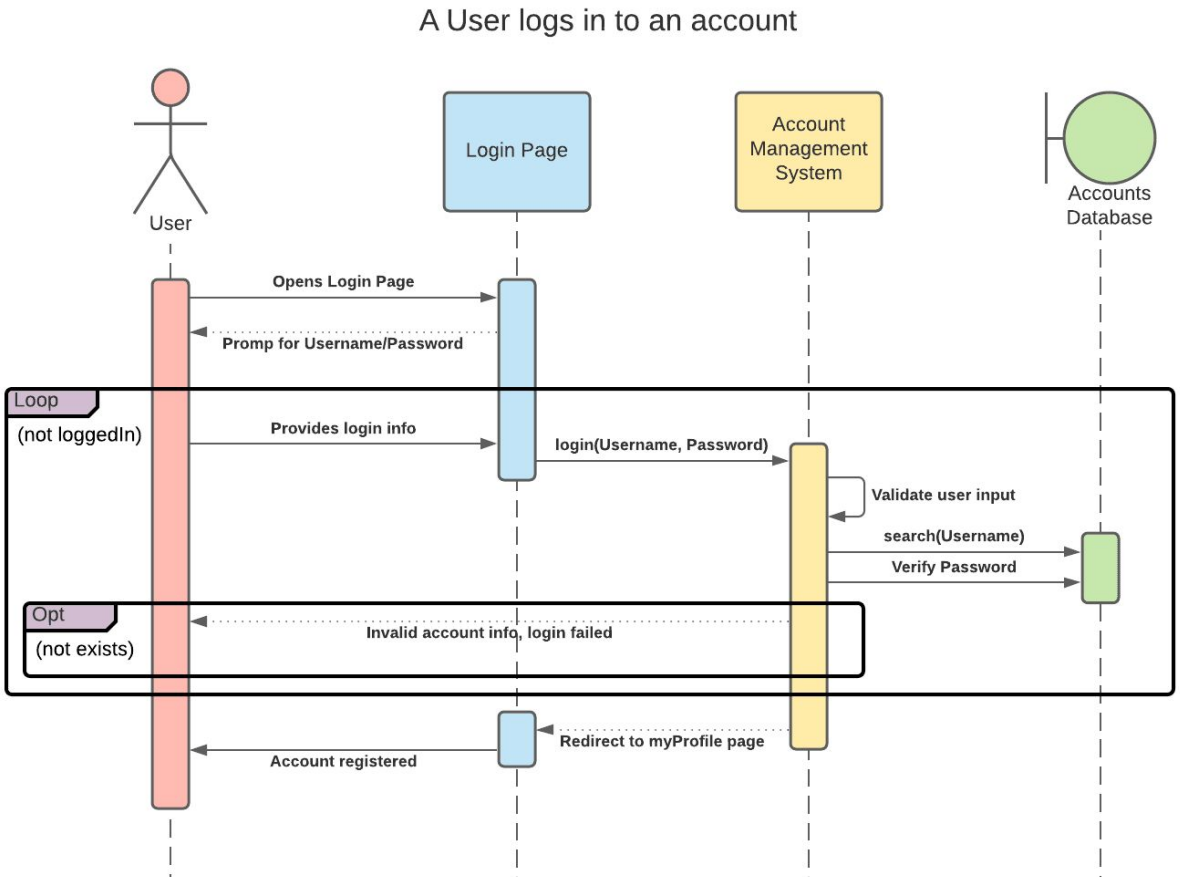
Functionality 1: Creating a User Account



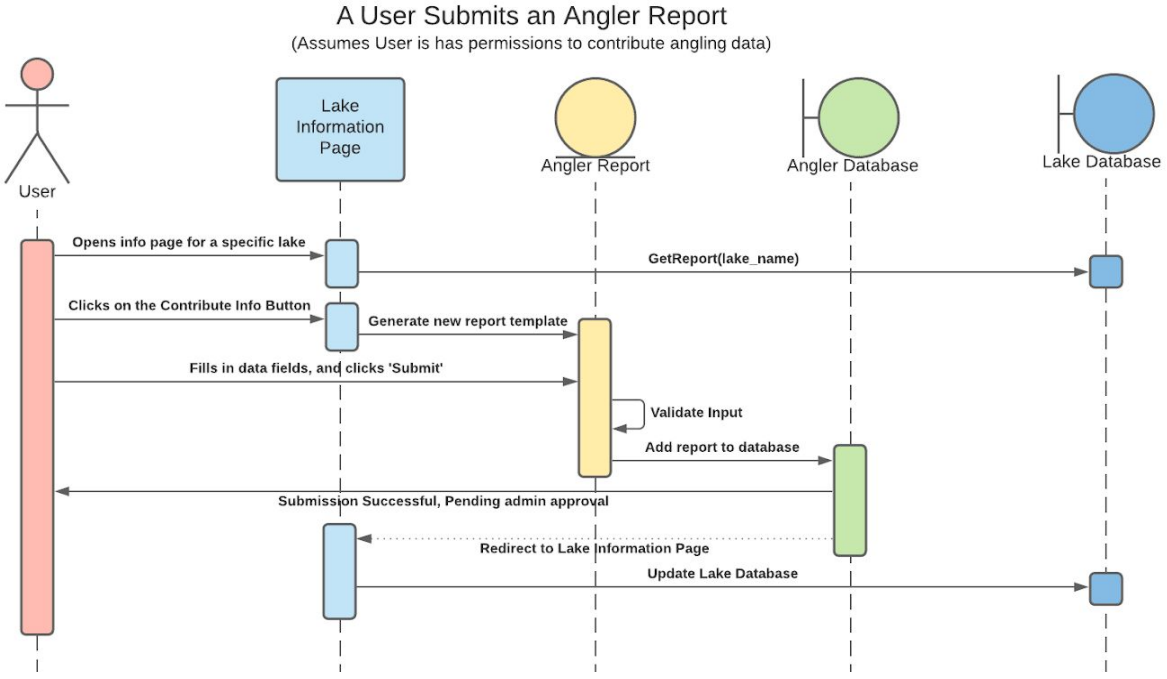
Functionality 2: User Views a Submitted Lake Health Report



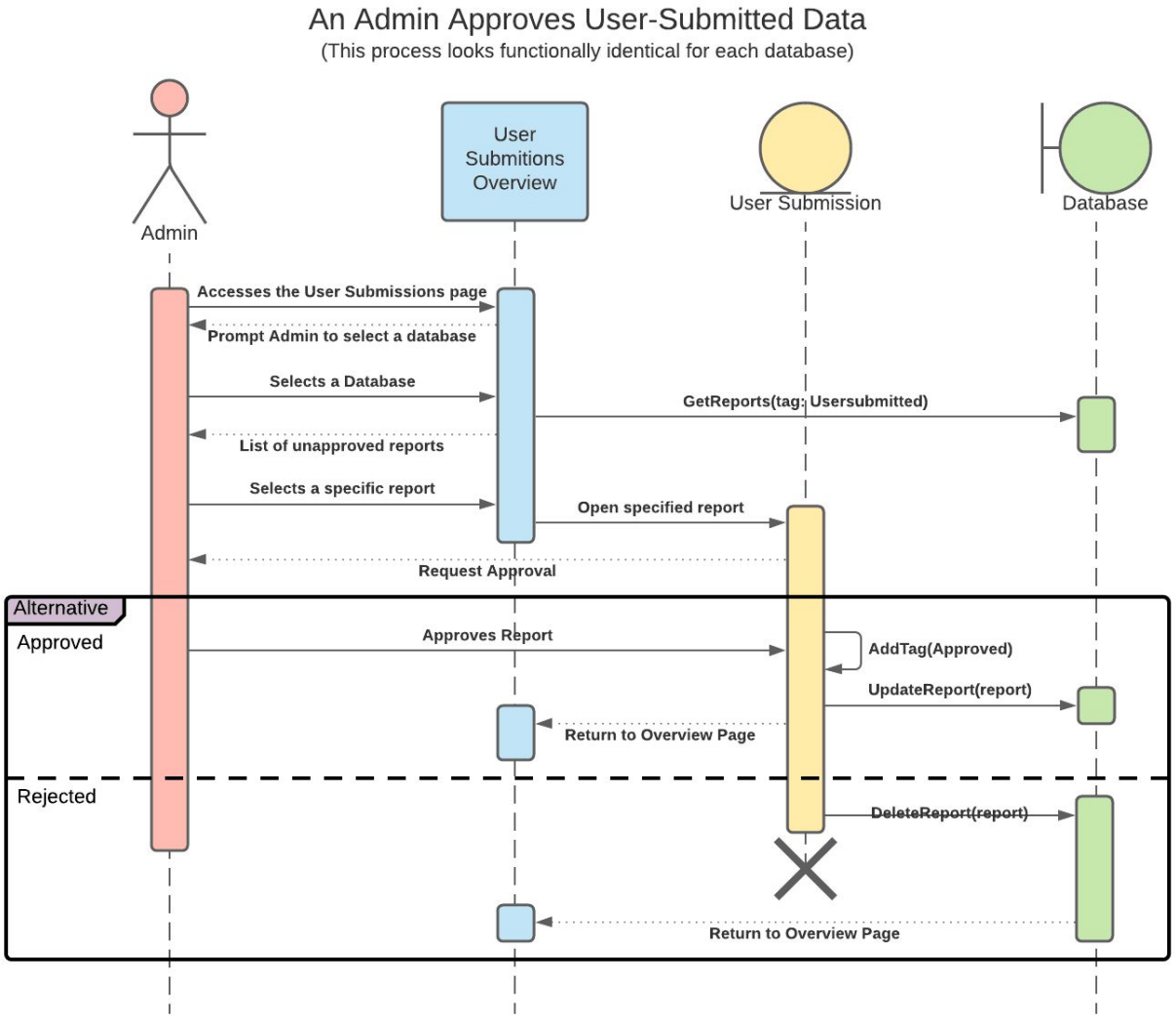
Functionality 3: Logging In to a User Account



Functionality 4: Submitting an Angler Report



Functionality 5: Admin Approves User-Submitted Data



APIs and Off the Shelf Components

APIs

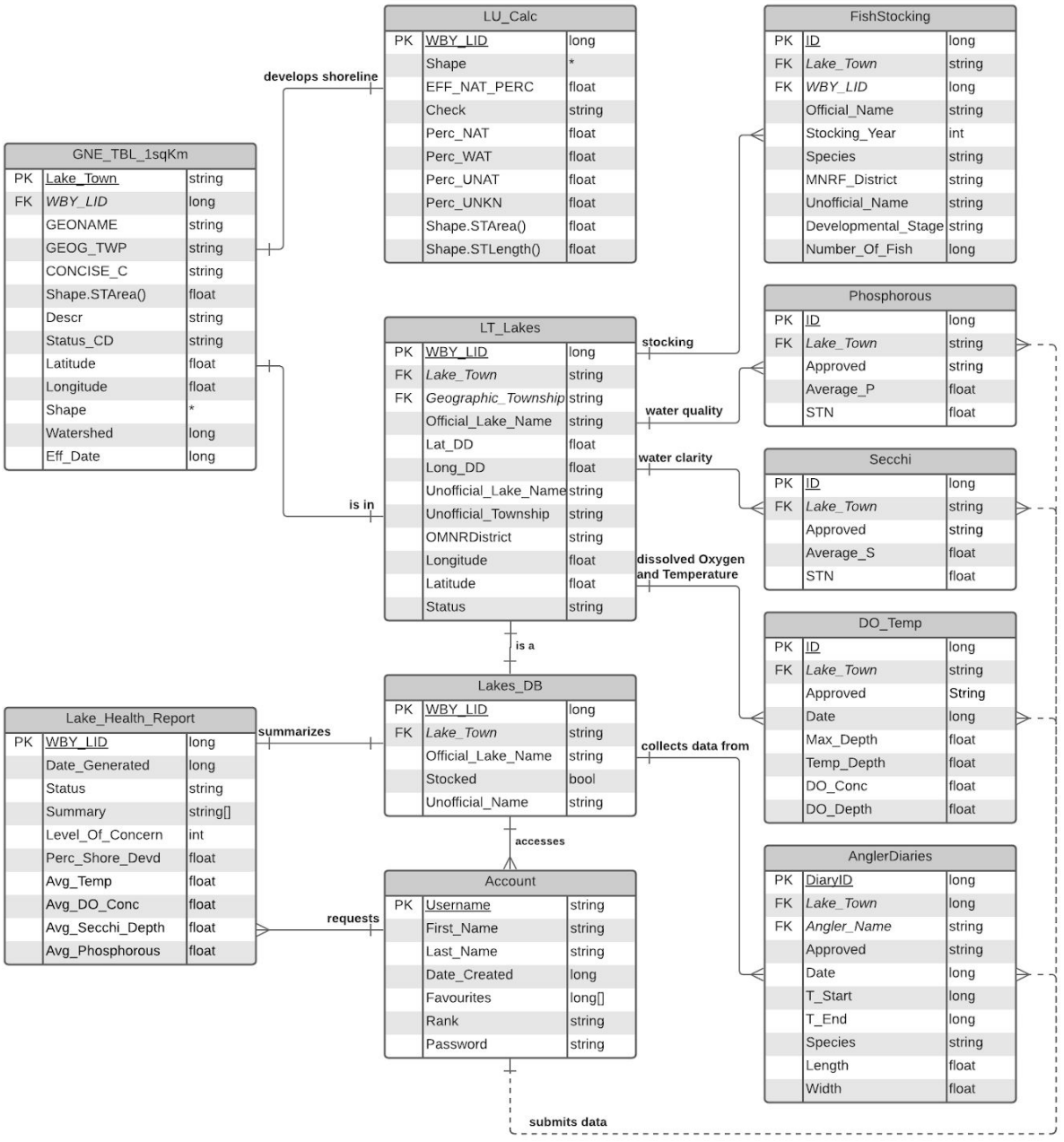
- Google Maps API

  Purpose: Allow users to view the location of lake results on a map, as well as allow them to mark locations without having to manually input latitude and longitude

Off the Shelf Components

- N/A

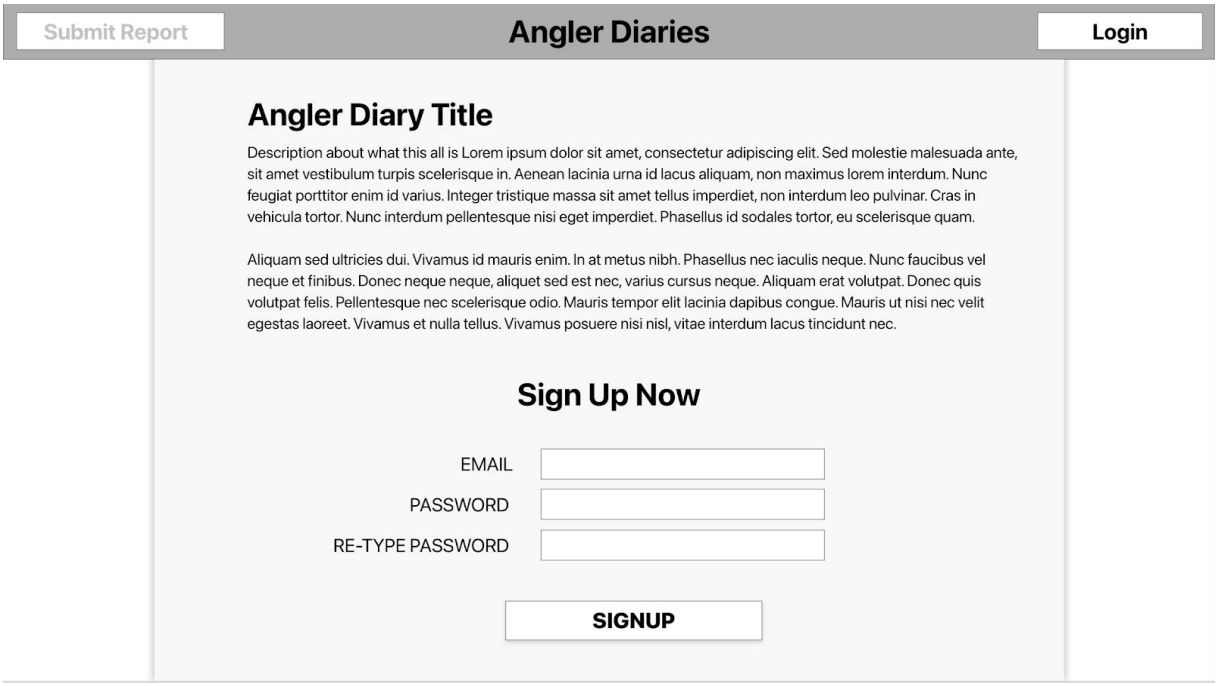
Database Design Diagram



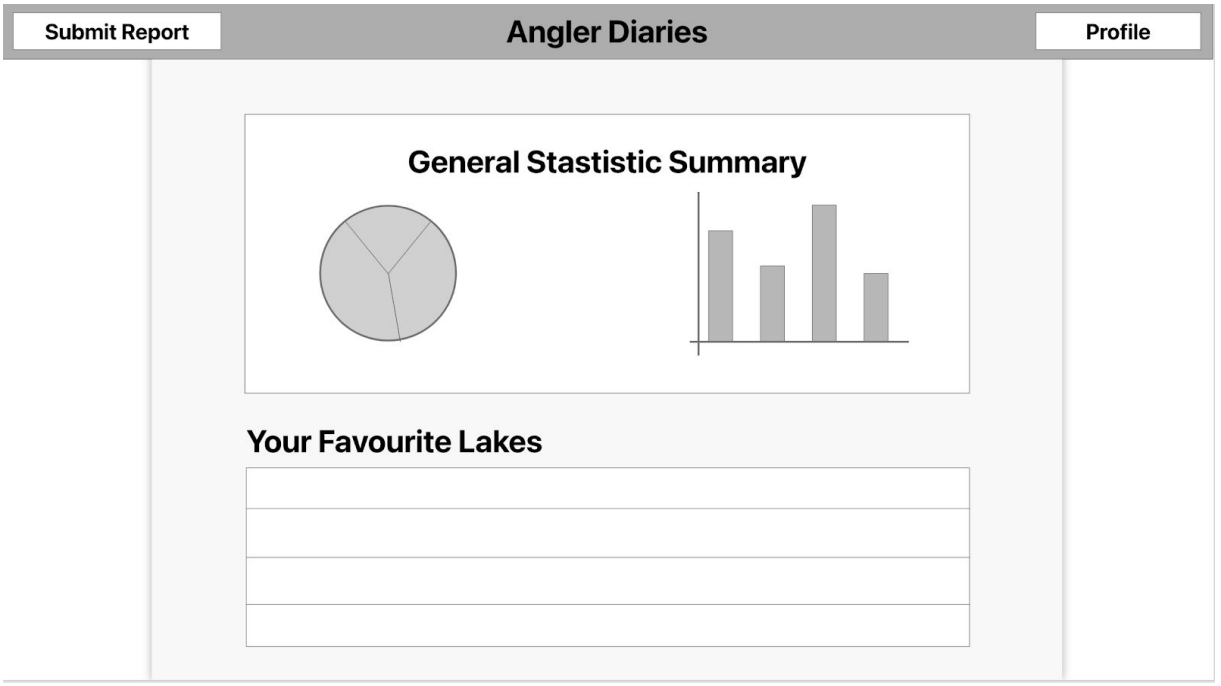
UI Design

Web App / Desktop Internet Browser

Homepage – (Not Logged In)

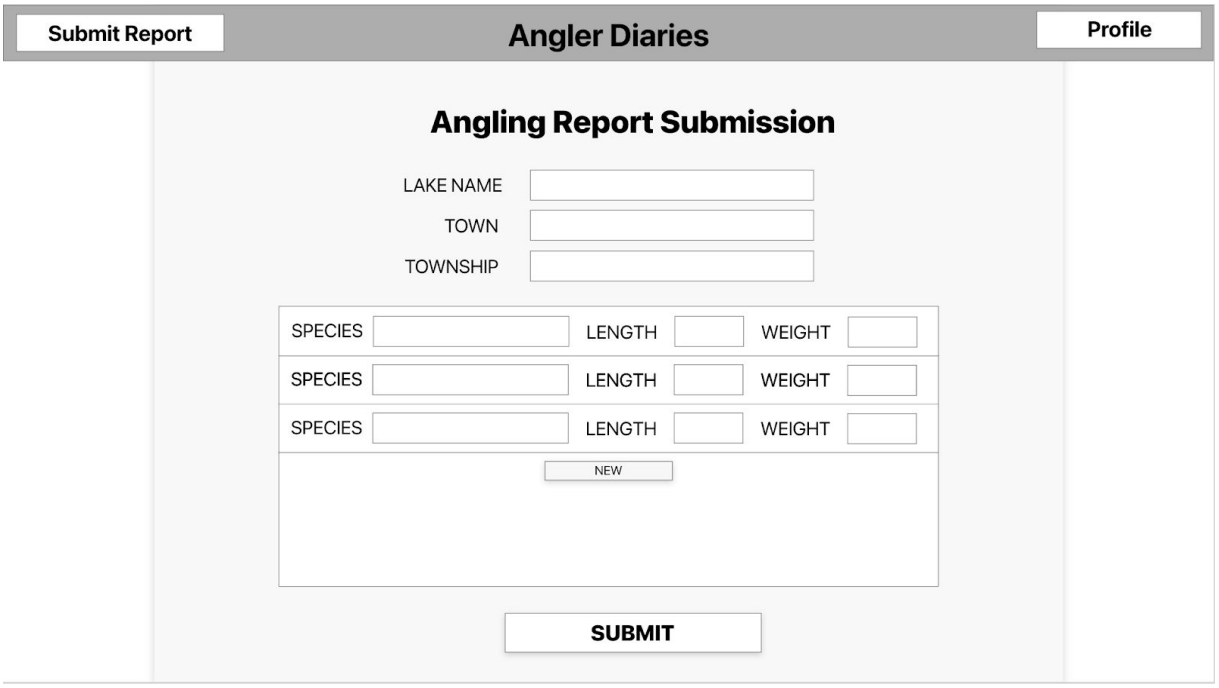


Homepage – (Logged In)

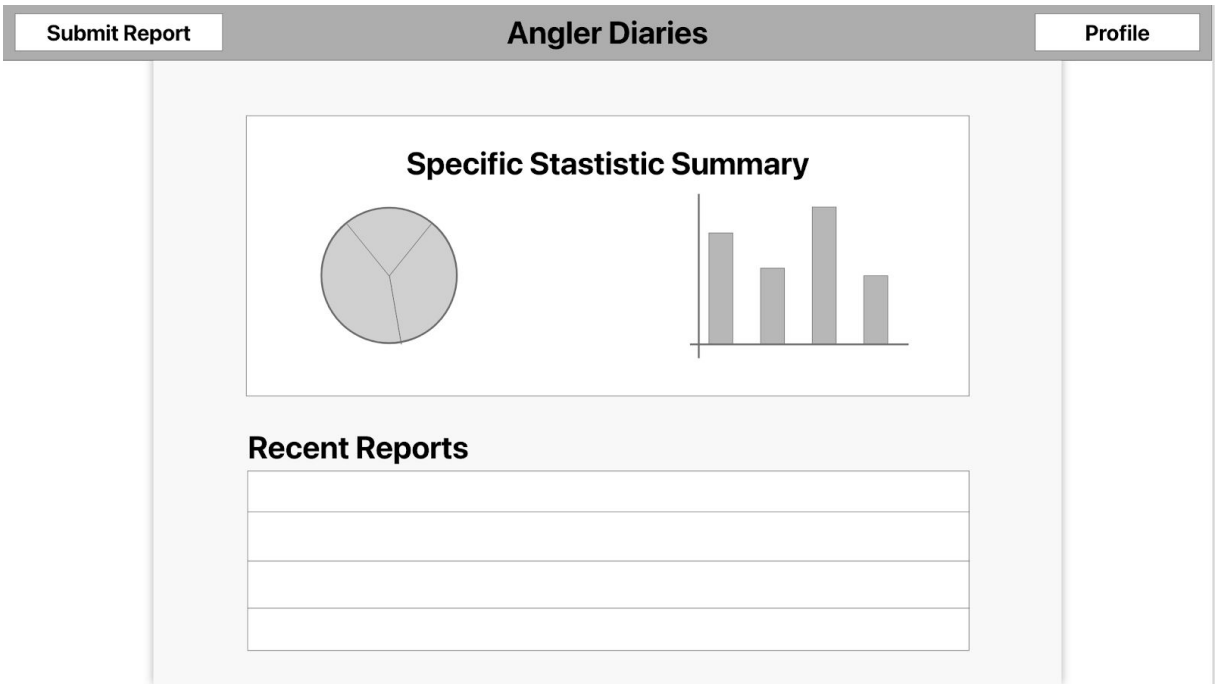


Submitting a Lake Health Report

Submitting an Angler Diary

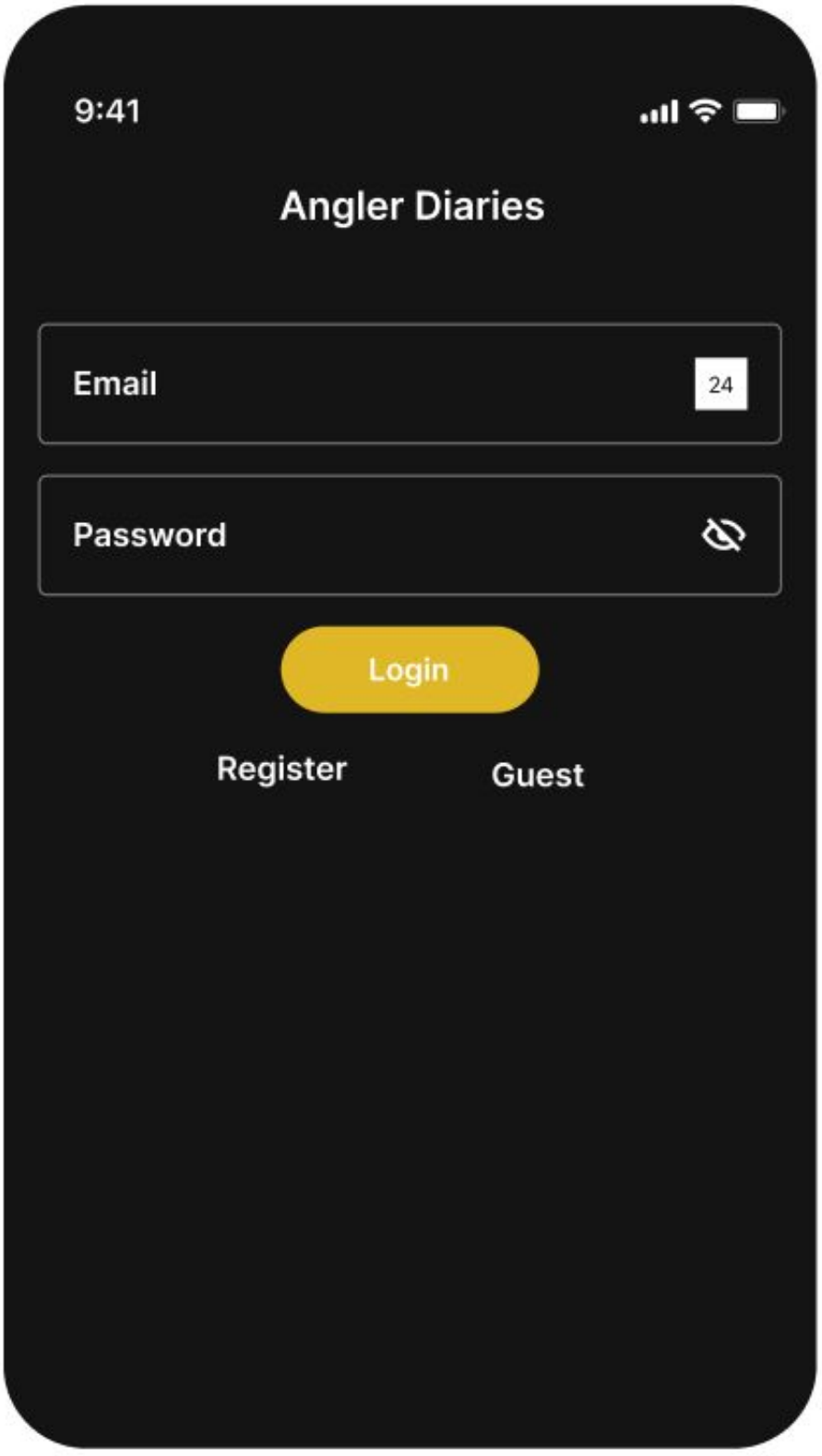


Viewing a Lake's Profile

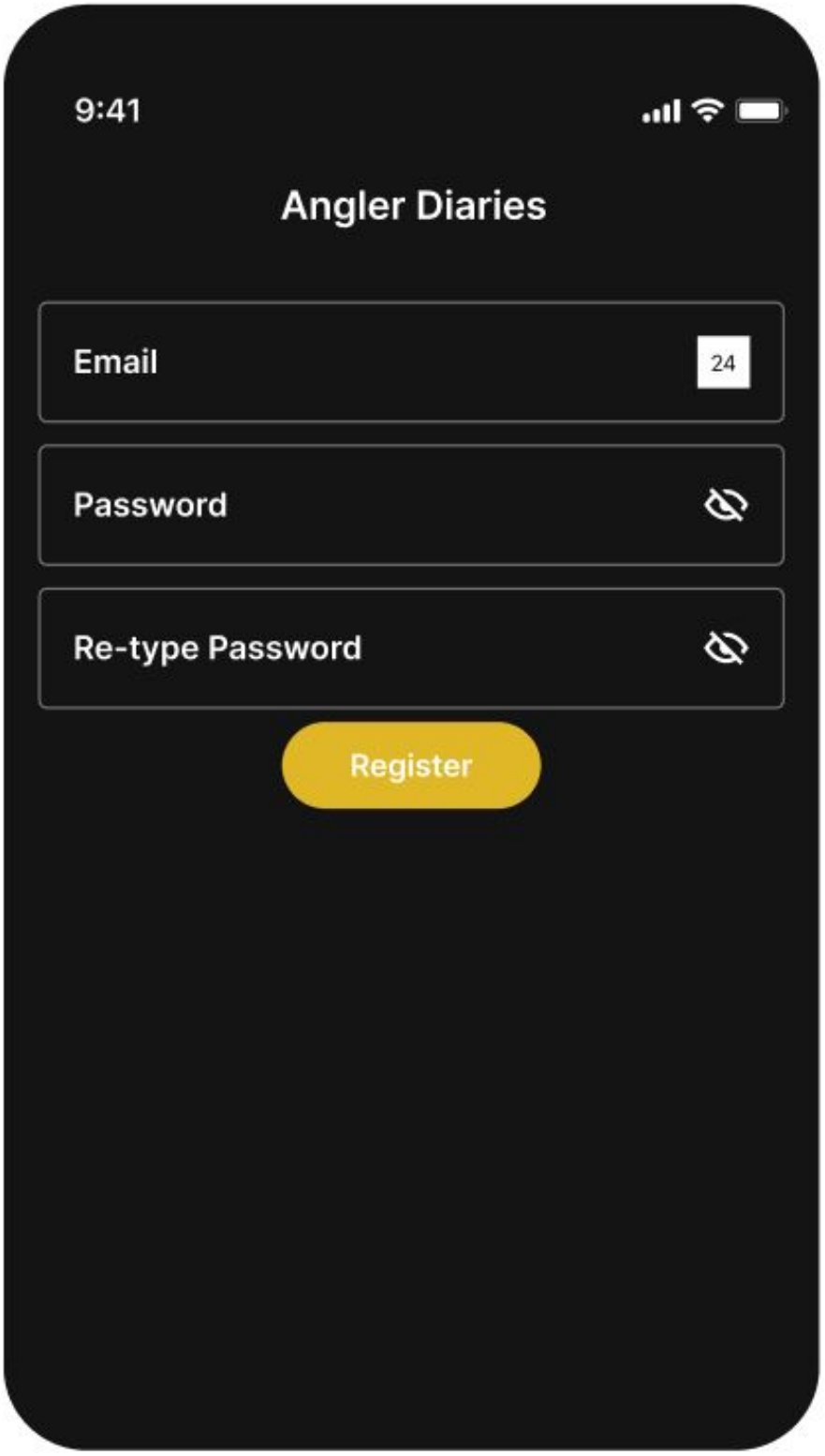


Mobile App / Mobile Internet Browser

Login Screen

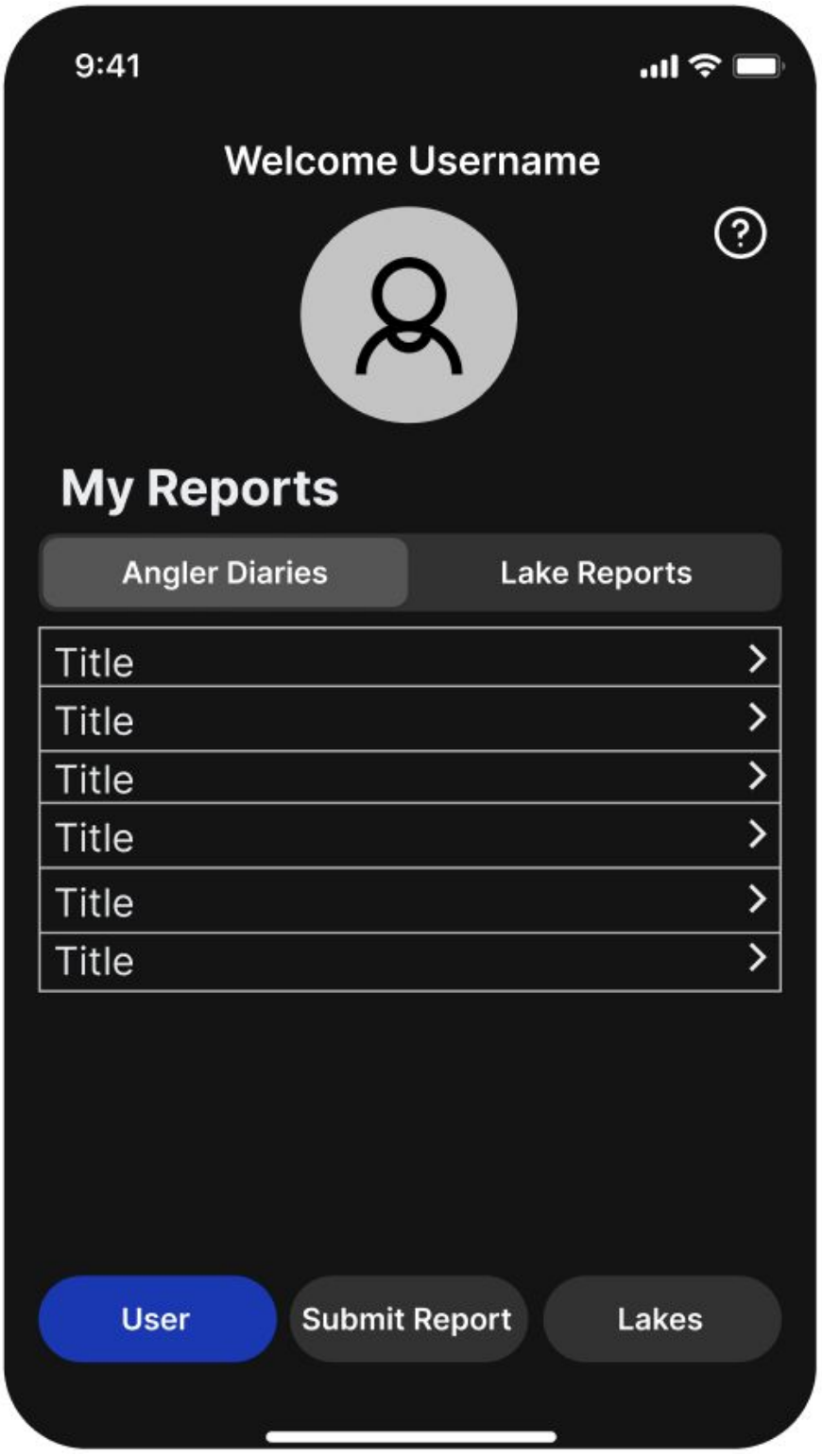


Registration Screen

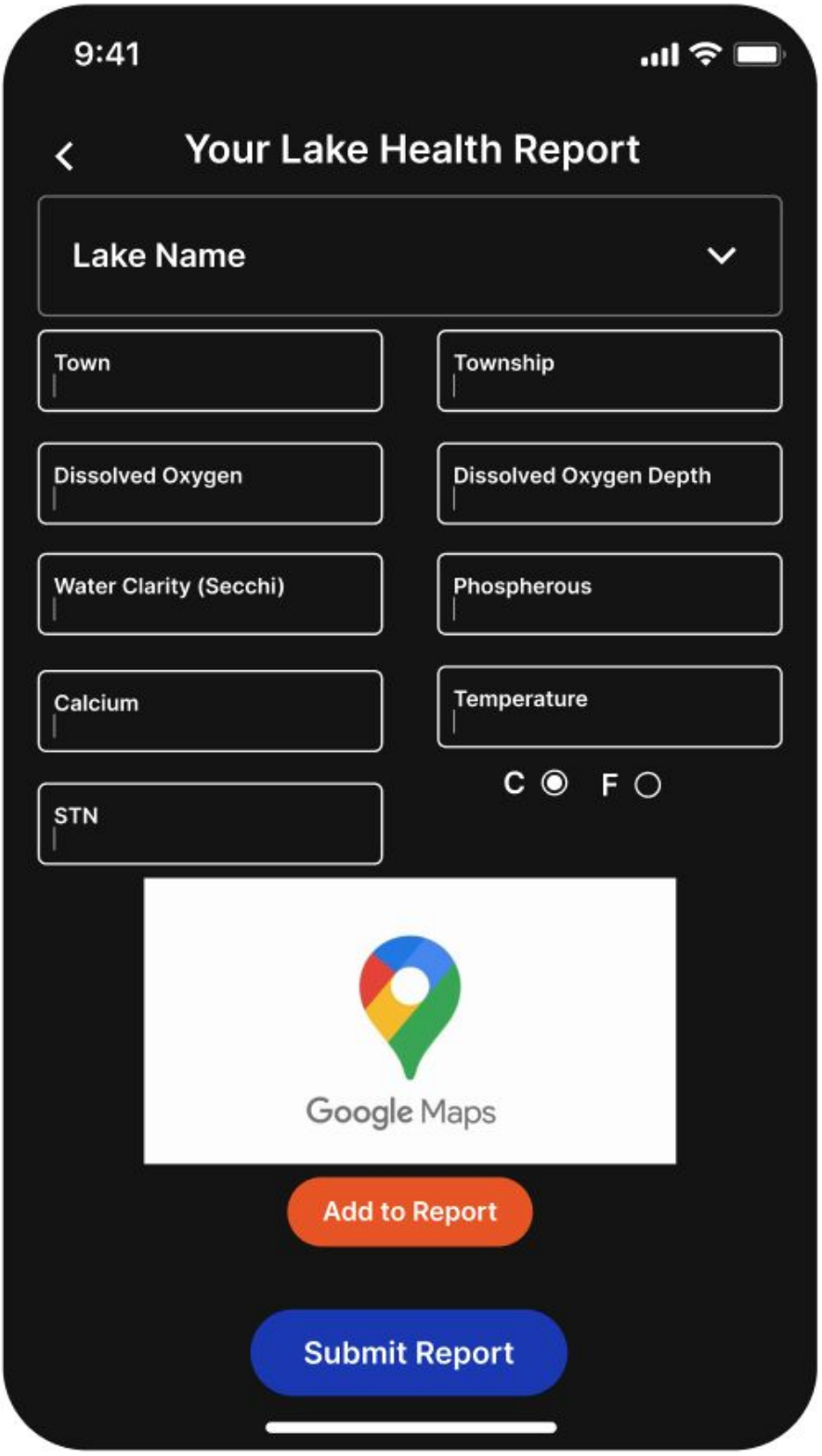


Guest Splash Page

User Splash Page

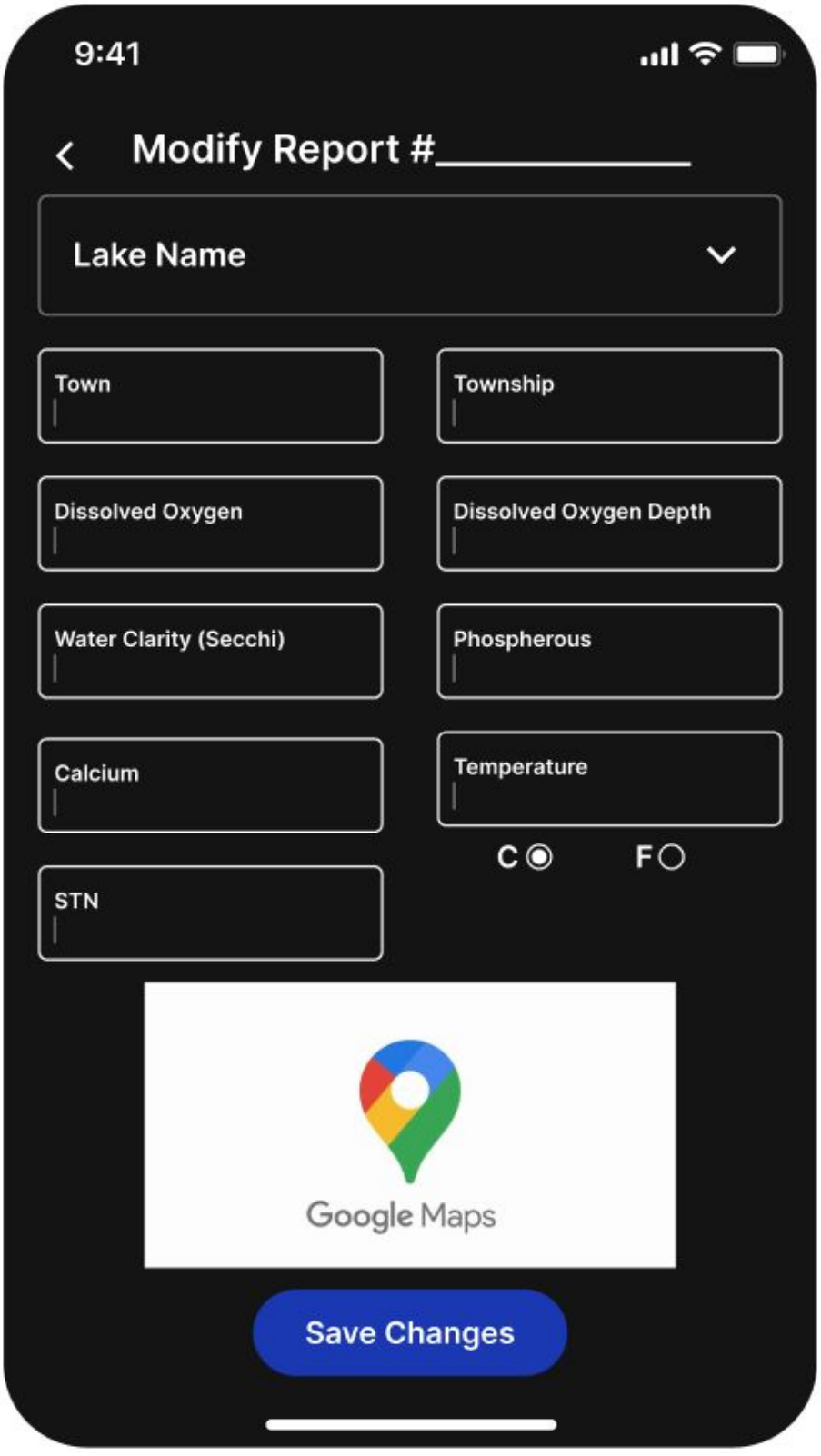


Lake Report Page

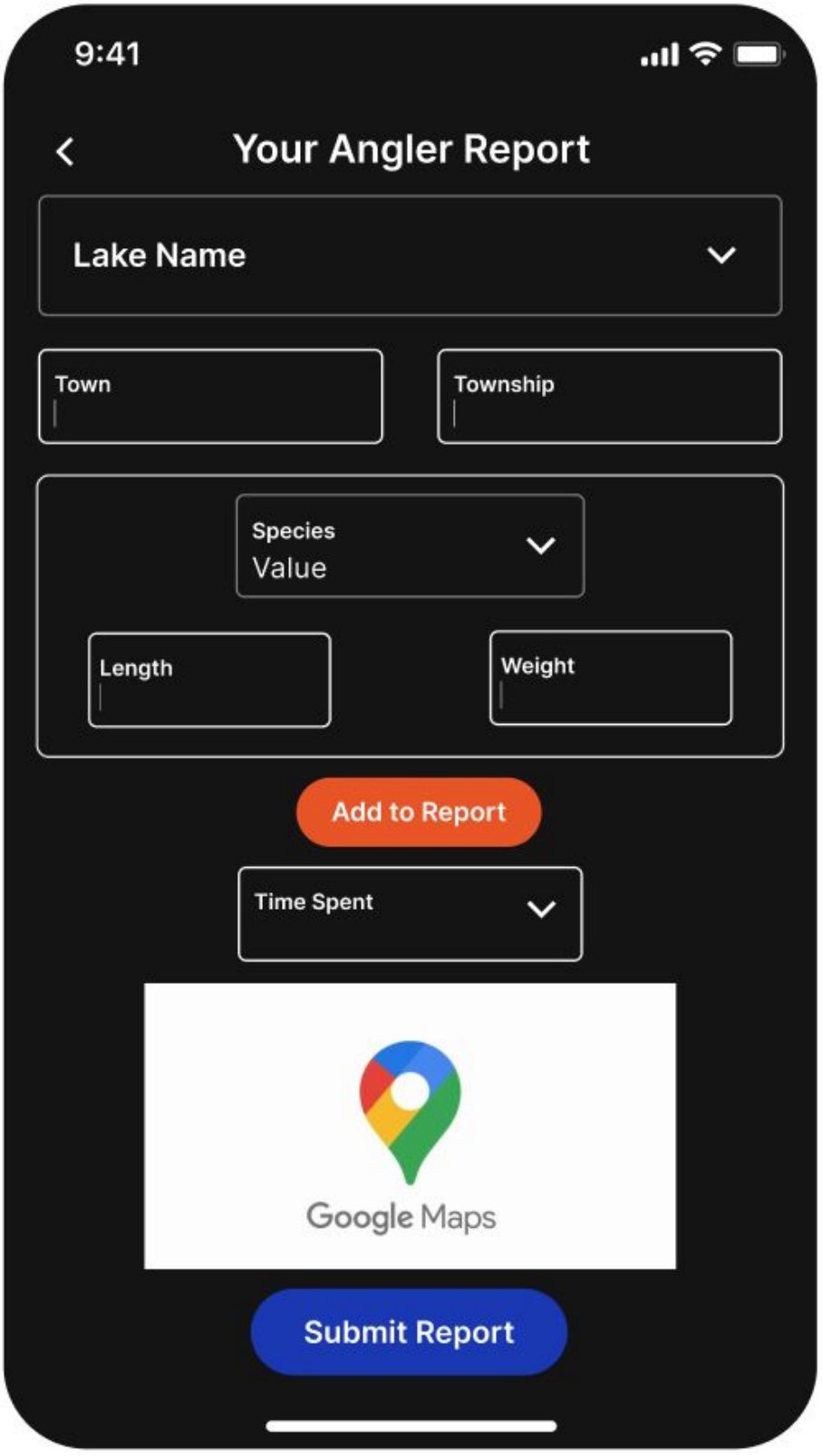
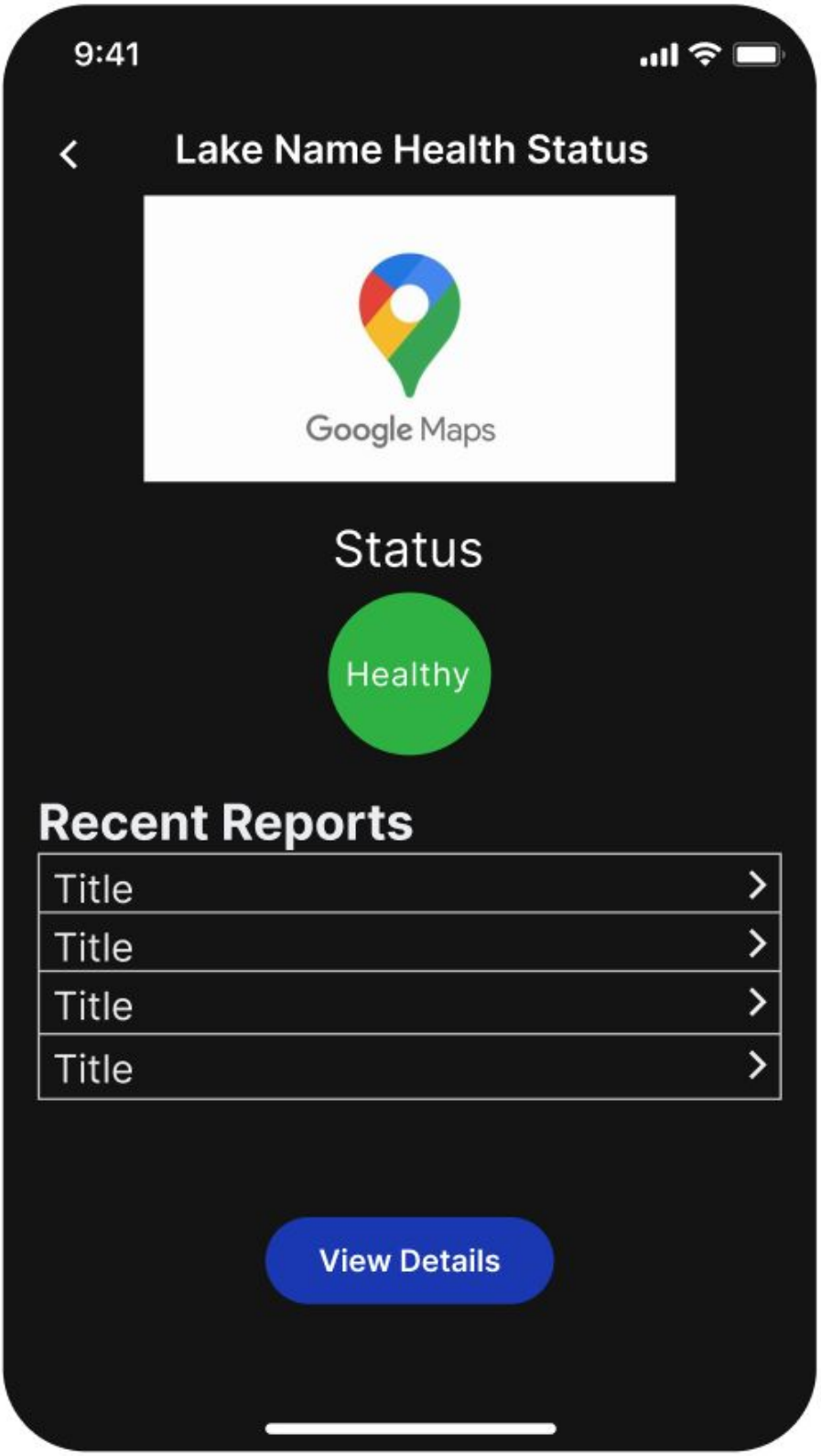


Modify Lake Health Report Splash

Edit Lake Health Report



Angling Report Page



Lake Health Splash Page