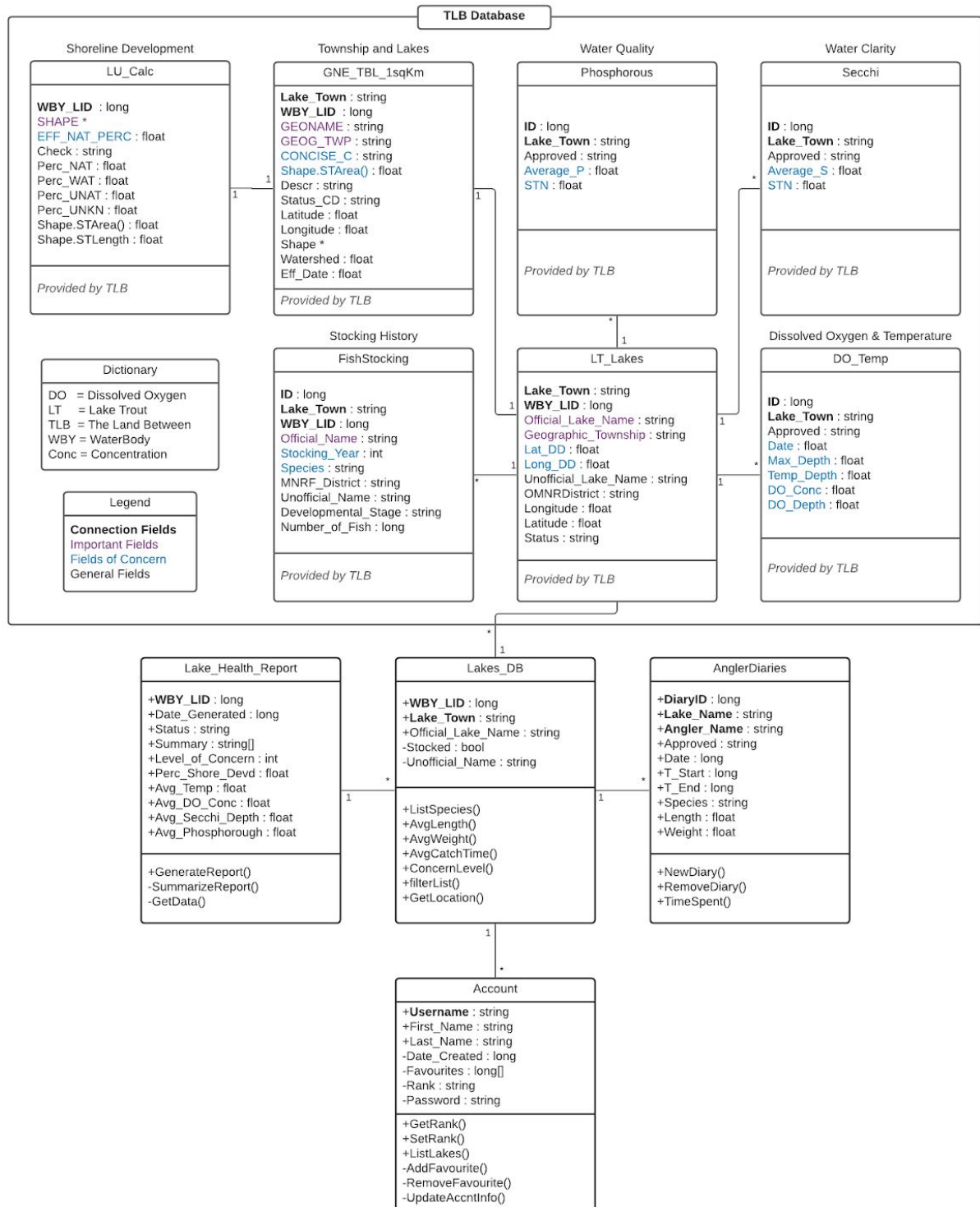


# Technology Tech. Technologies, Inc.

## Initial Design Proposal

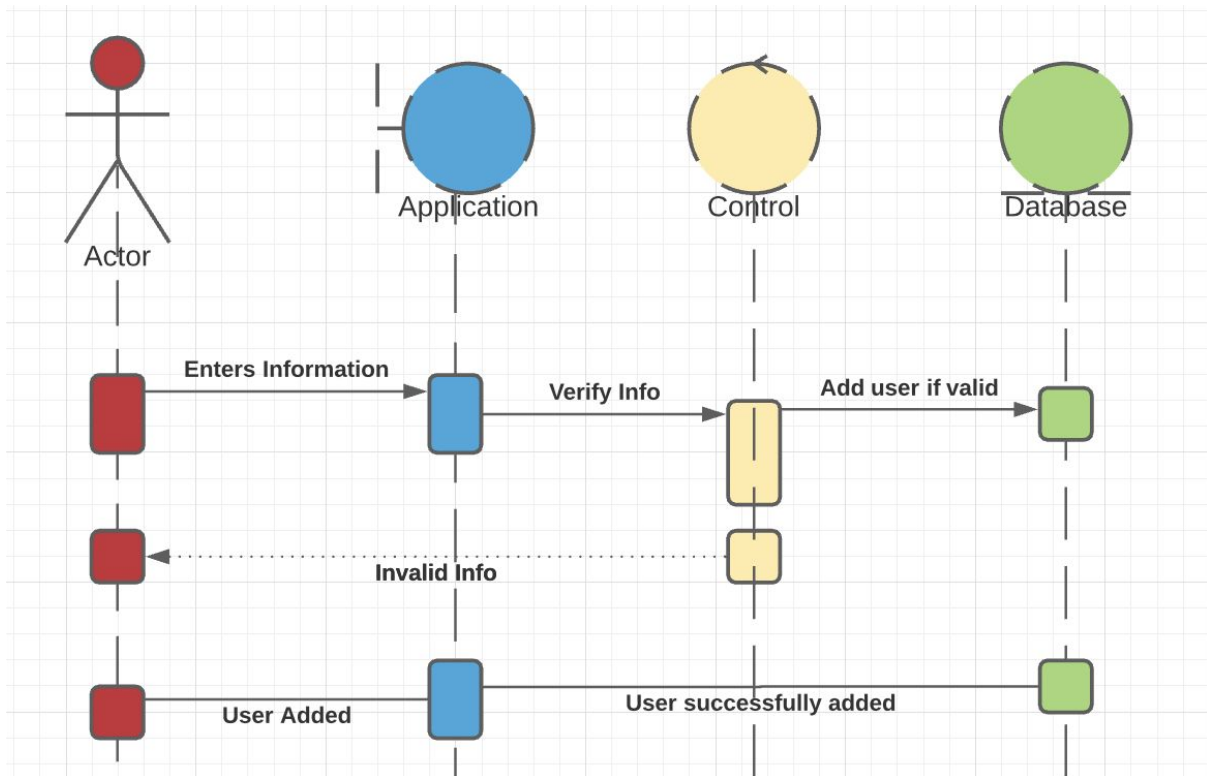
<https://github.com/mtdnichol/BlueLakesProject>

## Class Diagram

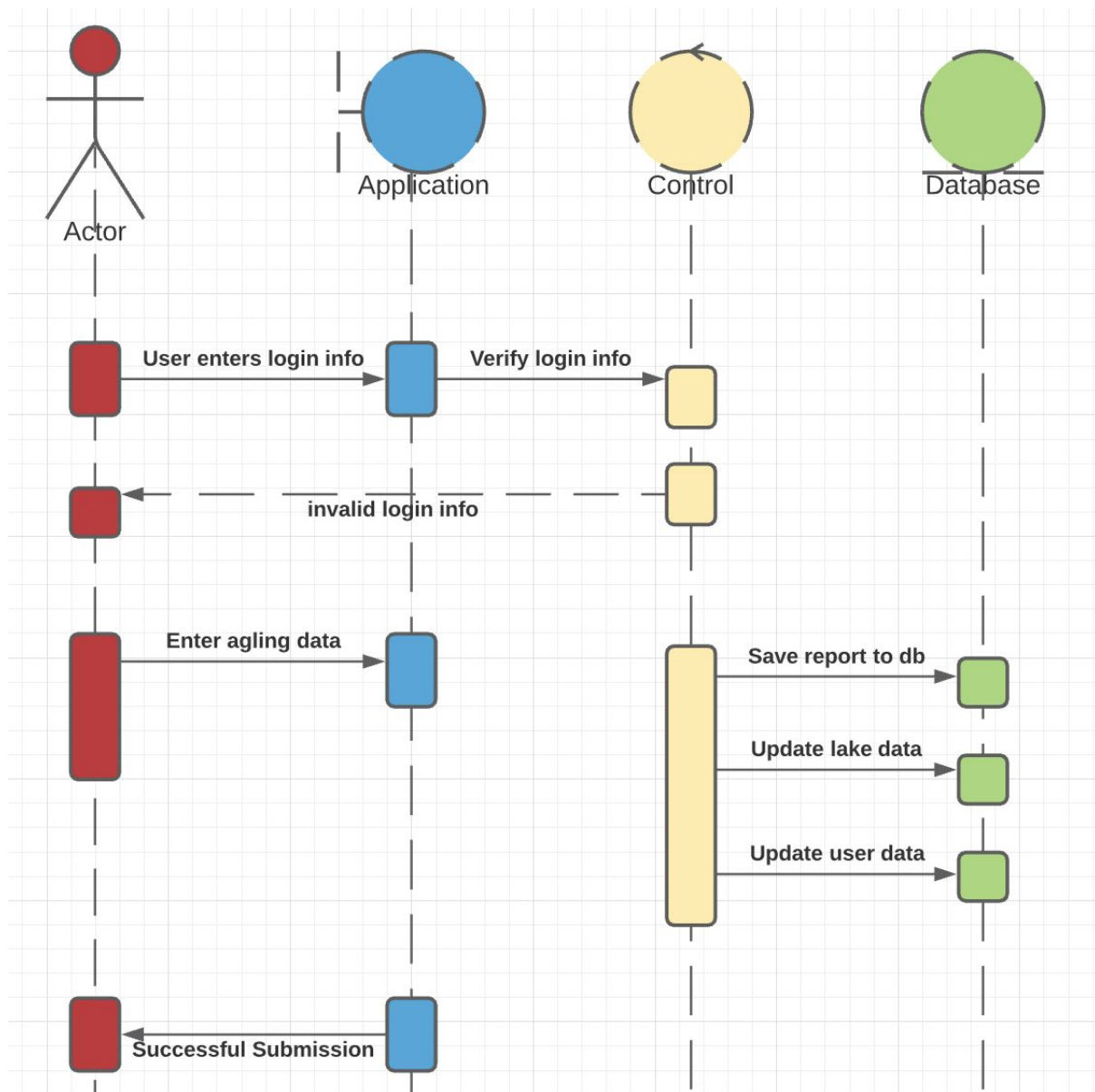


# Sequence Diagrams

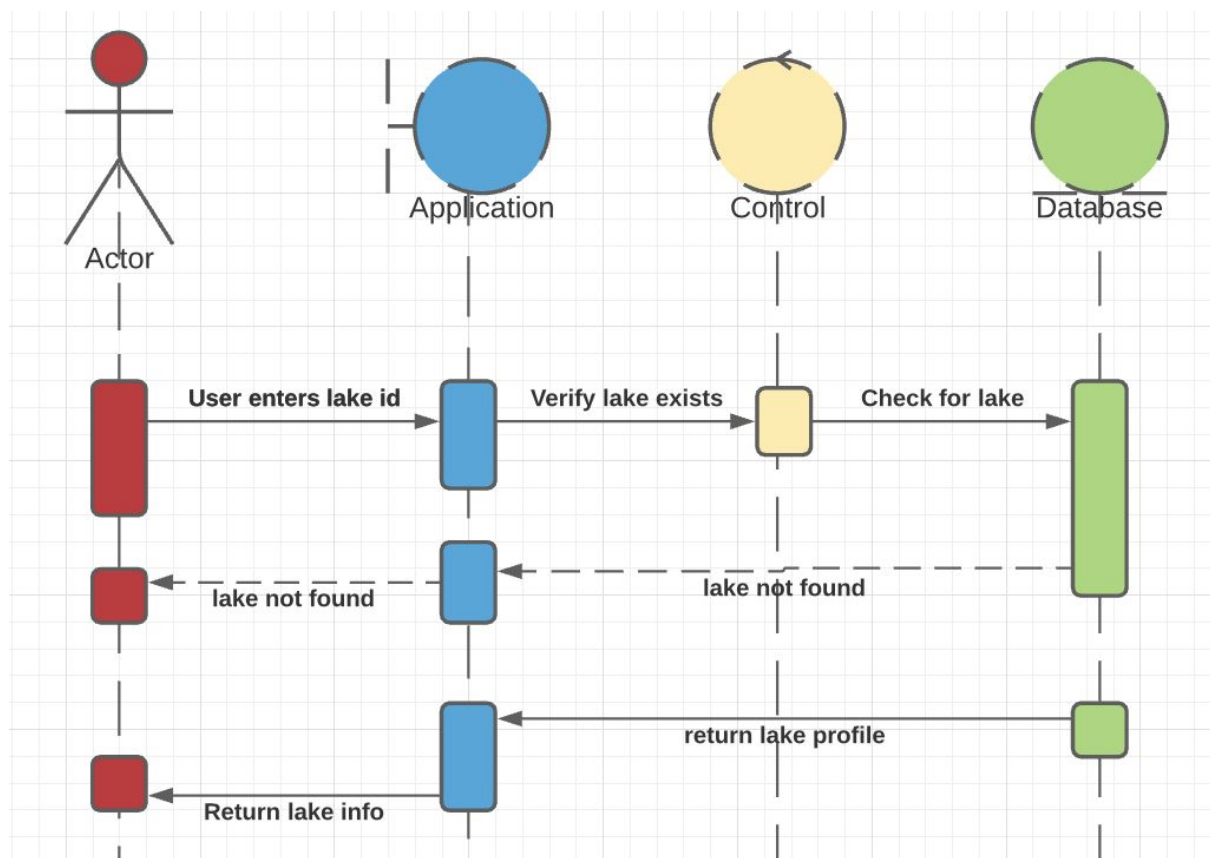
## Functionality 1: Creating a User Account



## Functionality 2: Submitting an Angler Report



## Functionality 3: Viewing a Lake Report



# APIs and Off the Shelf Components

## APIs

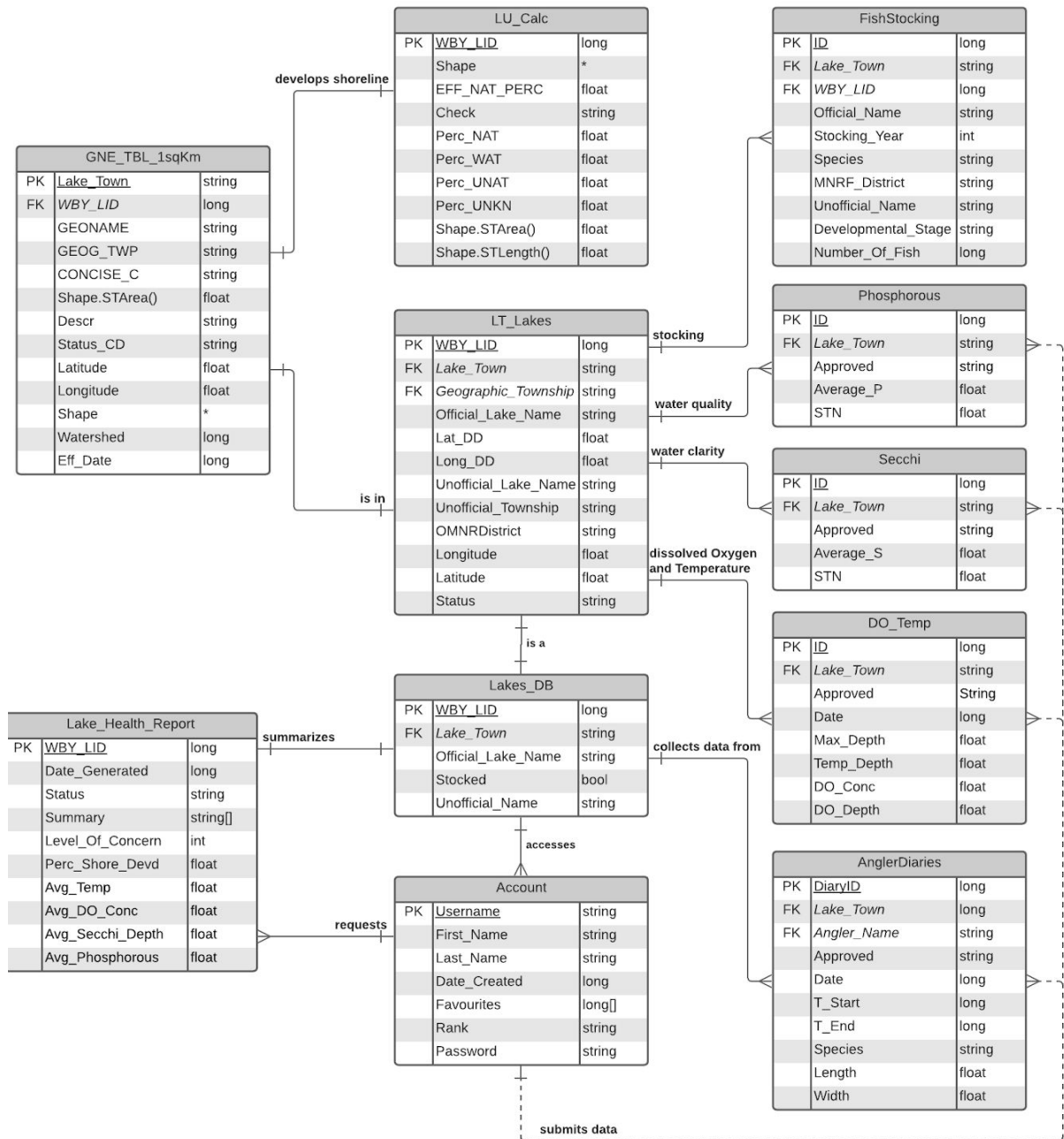
- Google Maps API

**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

<a href="#">Submit Report</a>	<b>Angler Diaries</b>	<a href="#">Login</a>
-------------------------------	-----------------------	-----------------------

### Angler Diary Title

Description about what this all is Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed molestie malesuada ante, sit amet vestibulum turpis scelerisque in. Aenean lacinia urna id lacus aliquam, non maximus lorem interdum. Nunc feugiat porttitor enim id varius. Integer tristique massa sit amet tellus imperdiet, non interdum leo pulvinar. Cras in vehicula tortor. Nunc interdum pellentesque nisi eget imperdiet. Phasellus id sodales tortor, eu scelerisque quam.

Aliquam sed ultricies dui. Vivamus id mauris enim. In at metus nibh. Phasellus nec iaculis neque. Nunc faucibus vel neque et finibus. Donec neque neque, aliquet sed est nec, varius cursus neque. Aliquam erat volutpat. Donec quis volutpat felis. Pellentesque nec scelerisque odio. Mauris tempor elit lacinia dapibus congue. Mauris ut nisi nec velit egestas laoreet. Vivamus et nulla tellus. Vivamus posuere nisi nisl, vitae interdum lacus tincidunt nec.

### Sign Up Now

EMAIL

PASSWORD

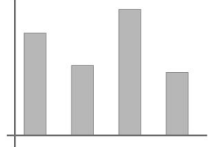
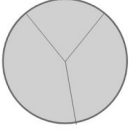
RE-TYPE PASSWORD

- Homepage – logged in

<a href="#">Submit Report</a>	<b>Angler Diaries</b>	<a href="#">Profile</a>
-------------------------------	-----------------------	-------------------------

### General Statstic Summary



### Your Favourite Lakes




- Submitting a Lake Health Report

Submit Report	Angler Diaries	Profile
<h3>Lake Health Report Submission</h3> <p>LAKE NAME <input type="text"/></p> <p>TOWN <input type="text"/></p> <p>TOWNSHIP <input type="text"/></p> <p>DISSOLVED OXYGEN <input type="text"/></p> <p>DISSOLVED OXYGEN DEPTH <input type="text"/></p> <p>WATER CLARITY <input type="text"/></p> <p>PHOSPHEROUS <input type="text"/></p> <p>CALCIUM <input type="text"/></p> <p>TEMPERATURE <input type="text"/></p> <p>STN <input type="text"/></p> <p><input type="button" value="SUBMIT"/></p>		

- Submitting an Angler Diary

Submit Report	Angler Diaries	Profile									
<h3>Angling Report Submission</h3> <p>LAKE NAME <input type="text"/></p> <p>TOWN <input type="text"/></p> <p>TOWNSHIP <input type="text"/></p> <table border="1"><tbody><tr><td>SPECIES <input type="text"/></td><td>LENGTH <input type="text"/></td><td>WEIGHT <input type="text"/></td></tr><tr><td>SPECIES <input type="text"/></td><td>LENGTH <input type="text"/></td><td>WEIGHT <input type="text"/></td></tr><tr><td>SPECIES <input type="text"/></td><td>LENGTH <input type="text"/></td><td>WEIGHT <input type="text"/></td></tr></tbody></table> <p><input type="button" value="NEW"/></p> <p><input type="button" value="SUBMIT"/></p>			SPECIES <input type="text"/>	LENGTH <input type="text"/>	WEIGHT <input type="text"/>	SPECIES <input type="text"/>	LENGTH <input type="text"/>	WEIGHT <input type="text"/>	SPECIES <input type="text"/>	LENGTH <input type="text"/>	WEIGHT <input type="text"/>
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SPECIES <input type="text"/>	LENGTH <input type="text"/>	WEIGHT <input type="text"/>									
SPECIES <input type="text"/>	LENGTH <input type="text"/>	WEIGHT <input type="text"/>									

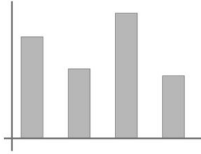
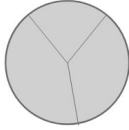
- Viewing a Lake's Profile

Submit Report

Angler Diaries

Profile

Specific Statistic Summary






Recent Reports


## Mobile App / Mobile Internet Browser

- Login Screen

9:41




Angler Diaries

Email

24

Password

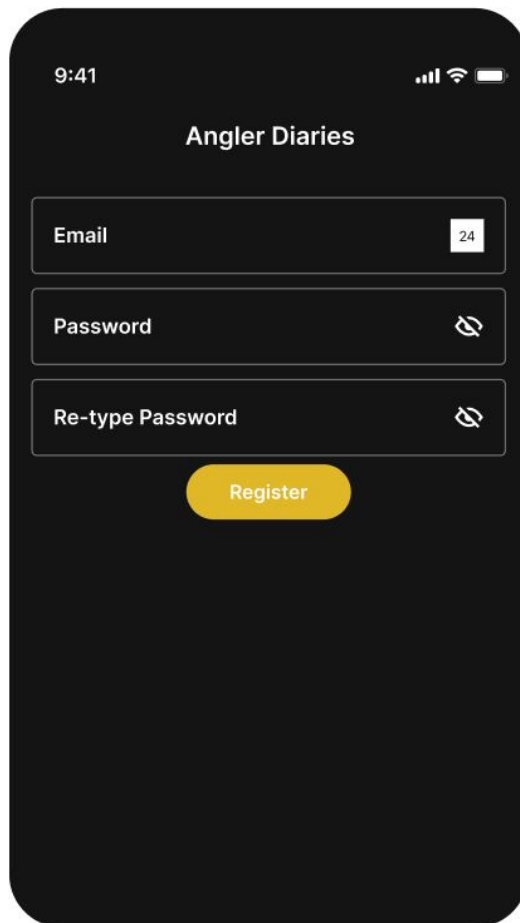


Login

Register

Guest

- Registration Screen



The image shows a mobile app registration screen for 'Angler Diaries'. The screen has a dark background. At the top, the status bar shows the time 9:41, signal strength, Wi-Fi, and battery. The app title 'Angler Diaries' is centered. Below it are three input fields: 'Email' with a calendar icon showing '24', 'Password' with an eye icon, and 'Re-type Password' with an eye icon. A yellow 'Register' button is at the bottom.

9:41

Angler Diaries

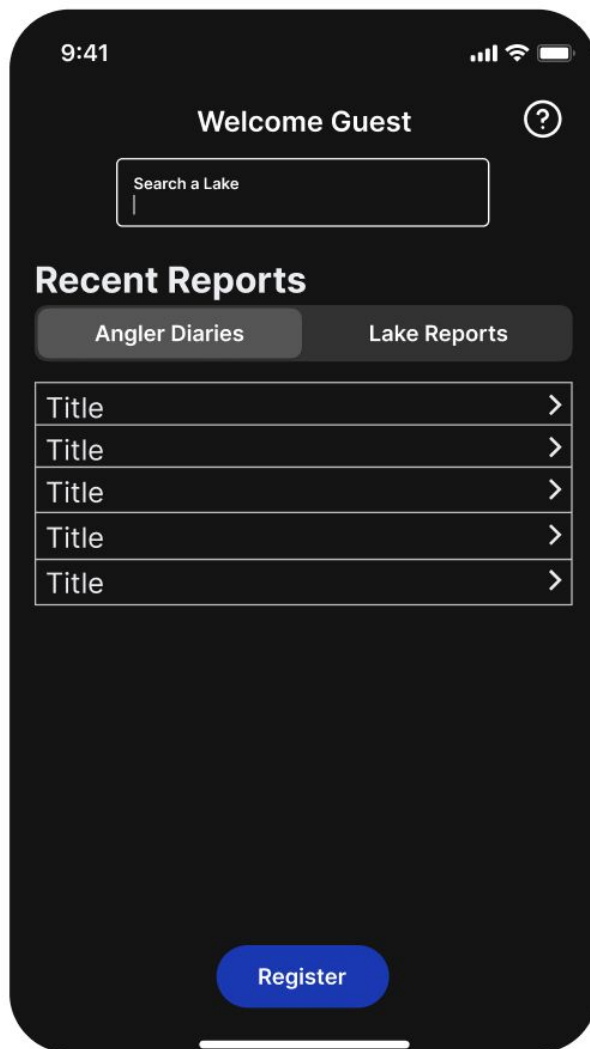
Email 24

Password

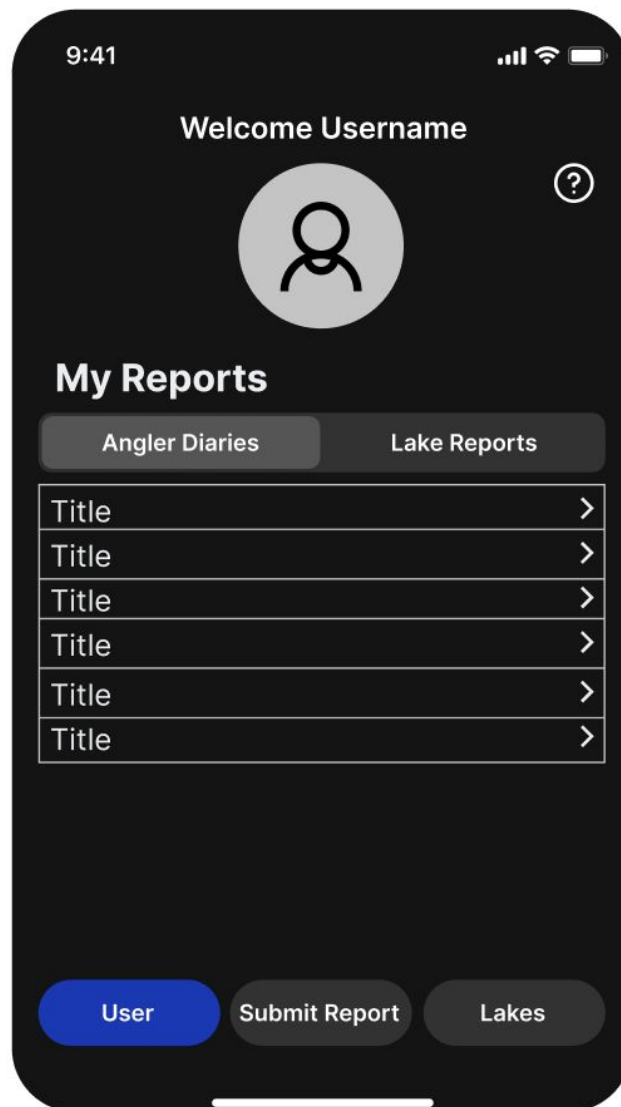
Re-type Password

Register

- Guest Splash Page



- User Splash Page



- Lake Report Page

9:41

< Your Lake Health Report

Lake Name

Town

Township

Dissolved Oxygen

Dissolved Oxygen Depth

Water Clarity (Secchi)

Phosphorous

Calcium

Temperature

STN

C F

Google Maps

Submit Report

- Angling Report Page

The image shows a mobile application interface for 'Your Lake Health Report'. The screen has a dark background. At the top, the status bar shows the time 9:41, signal strength, Wi-Fi, and battery. Below the status bar is a back arrow and the title 'Your Lake Health Report'. The form consists of several input fields: a 'Lake Name' dropdown menu, 'Town' and 'Township' text input fields, a 'Species Value' dropdown menu, 'Length' and 'Weight' text input fields, and a 'Time Spent' dropdown menu. An orange 'Add to Report' button is positioned below the 'Length' and 'Weight' fields. Below the 'Time Spent' dropdown is a white rectangular area containing the Google Maps logo and the text 'Google Maps'. At the bottom of the form is a blue 'Submit Report' button. The entire form is enclosed in a rounded rectangle with a dark background.

- Lake Health Splash Page

