

# **Blue Lakes Project**

Final Design

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Final Design

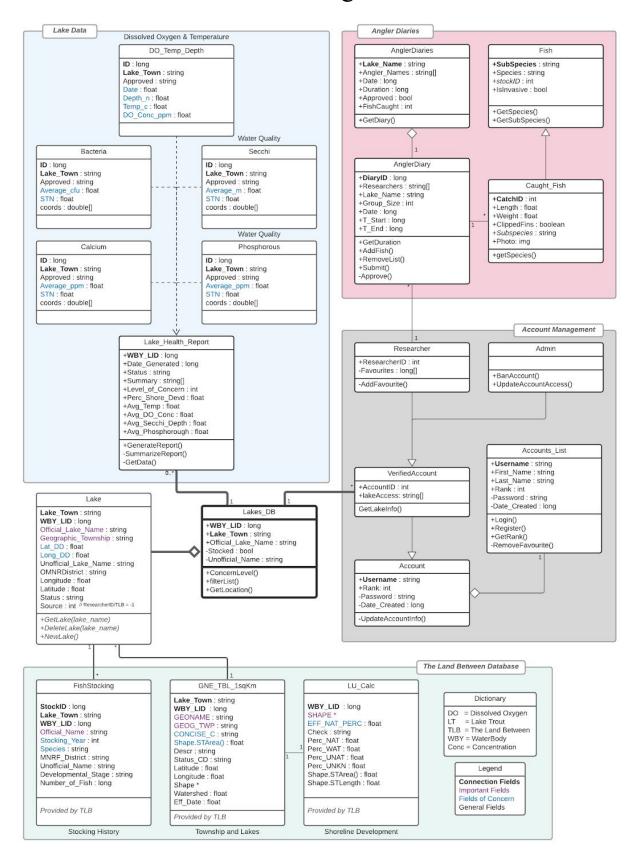
Jared Mezzatesta, Michael Nichol, & William Wilkins

Feb 7, 2021

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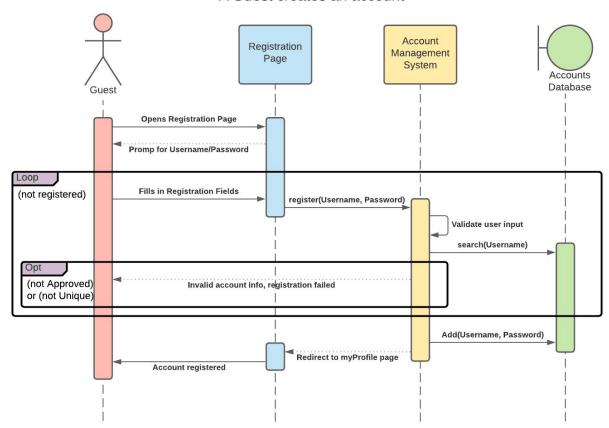
# Class Diagram



# Sequence Diagrams

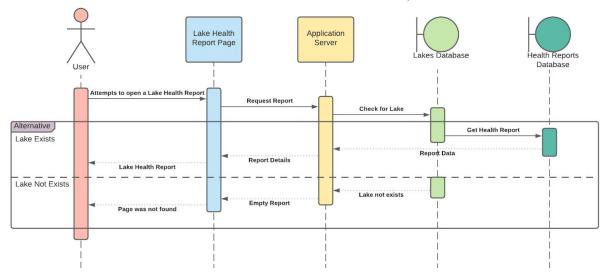
# Functionality 1: Creating a User Account

#### A Guest creates an account



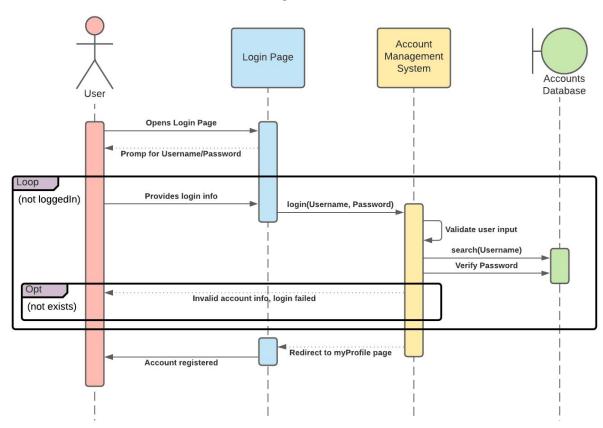
# Functionality 2: User Views a Submitted Lake Health Report

A User Views a Submitted Lake Health Report



## Functionality 3: Logging In to a User Account

## A User logs in to an account



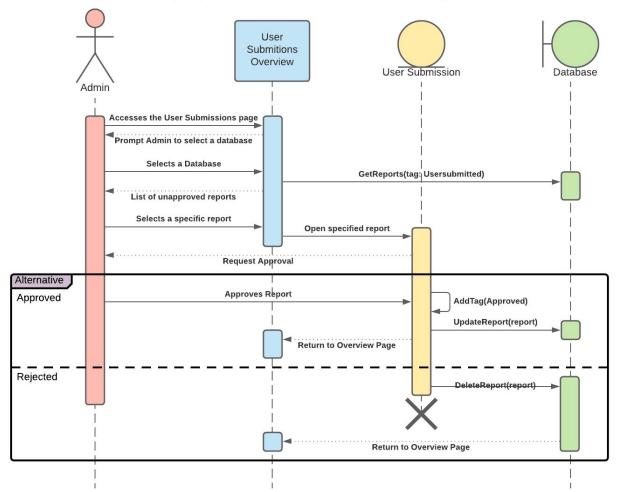
# Functionality 4: Submitting an Angler Report

# A User Submits an Angler Report (Assumes User is has permissions to contribute angling data) Lake Information Page Opens info page for a specific lake GetReport(lake\_name) Clicks on the Contribute Info Button Generate new report template Fills in data fields, and clicks 'Submit' Validate Input Add report to database Update Lake Database Update Lake Database

# Functionality 5: Admin Approves User-Submitted Data

### An Admin Approves User-Submitted Data

(This process looks functionally identical for each database)



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# APIs and Off the Shelf Components

## **APIs**

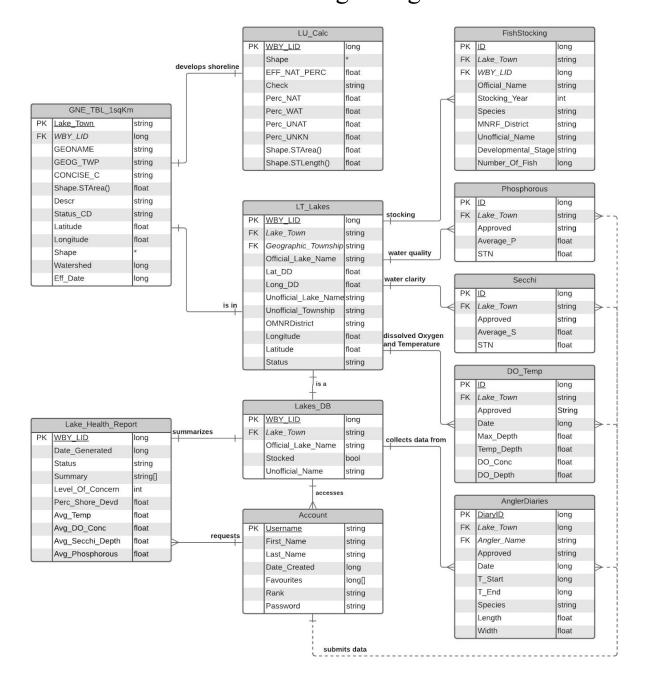
• Google Maps API

**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

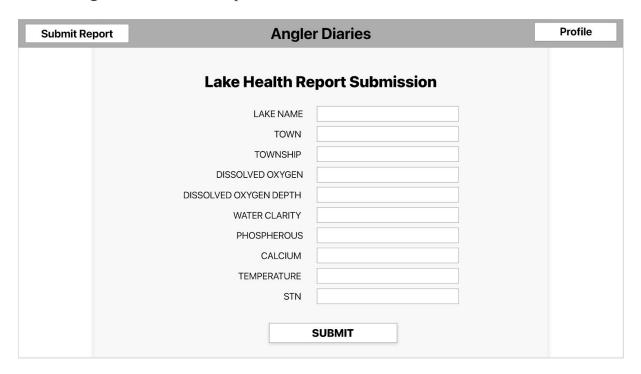
Homepage – (Not Logged In)

Submit Report	Angler Diaries	Login
	Angler Diary Title  Description about what this all is Lorem ipsum dolor sit amet, consectetur adipiscing elit. Sed molestie malesuada sit amet vestibulum turpis scelerisque in. Aenean lacinia urna id lacus aliquam, non maximus lorem interdum. Nun feugiat portitior 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 ve 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 vel egestas laoreet. Vivamus et nulla tellus. Vivamus posuere nisi nisi, vitae interdum lacus tincidunt nec.  Sign Up Now	el s
	EMAIL PASSWORD RE-TYPE PASSWORD SIGNUP	

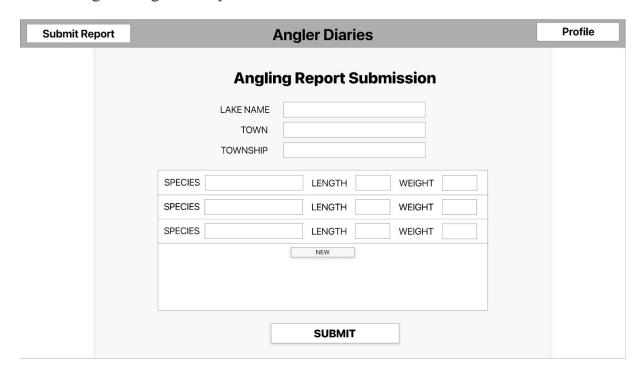
# Homepage – (Logged In)

Submit Report	Angler Diaries	Profile
	General Stastistic Summary	
	Your Favourite Lakes	

## Submitting a Lake Health Report



## Submitting an Angler Diary



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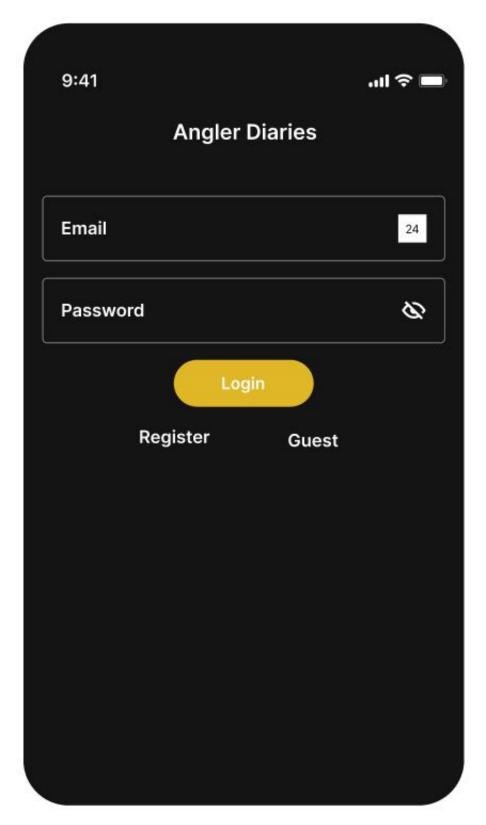
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Viewing a Lake's Profile

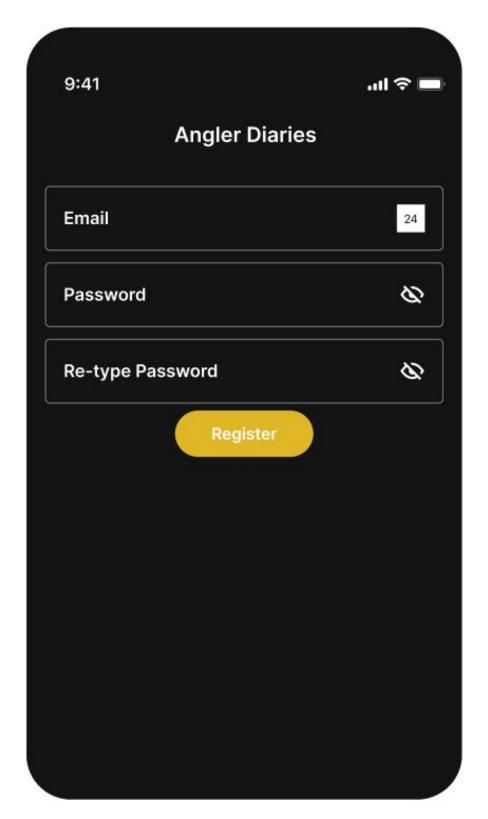
Submit Report	Angler Diaries	Profile
	Specific Stastistic Summary	
	Recent Reports	

# Mobile App / Mobile Internet Browser

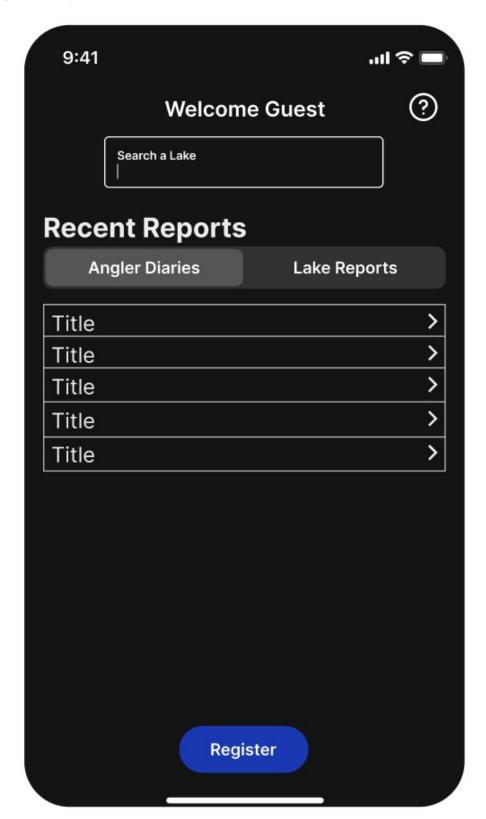
# Login Screen



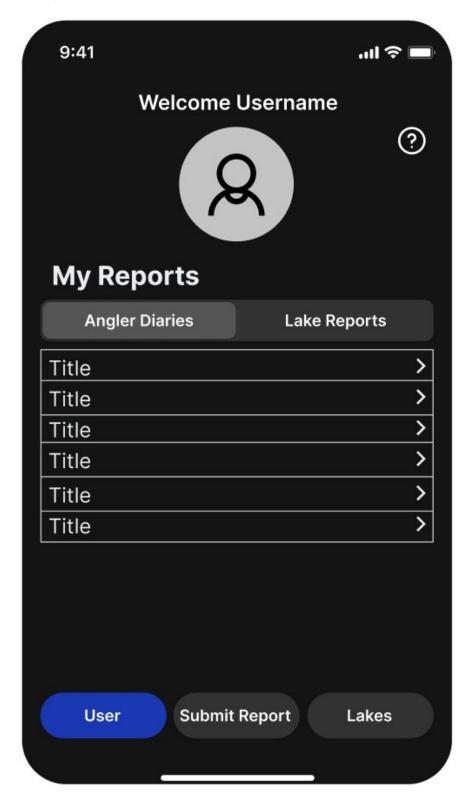
# Registration Screen



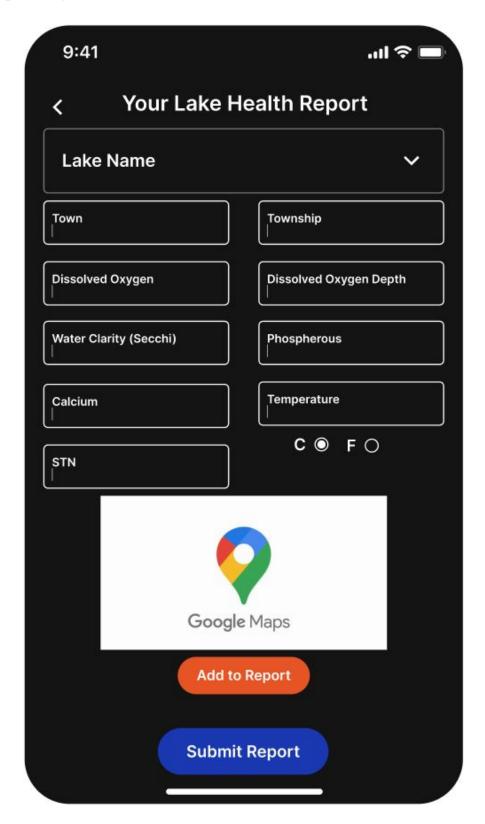
## Guest Splash Page



## User Splash Page



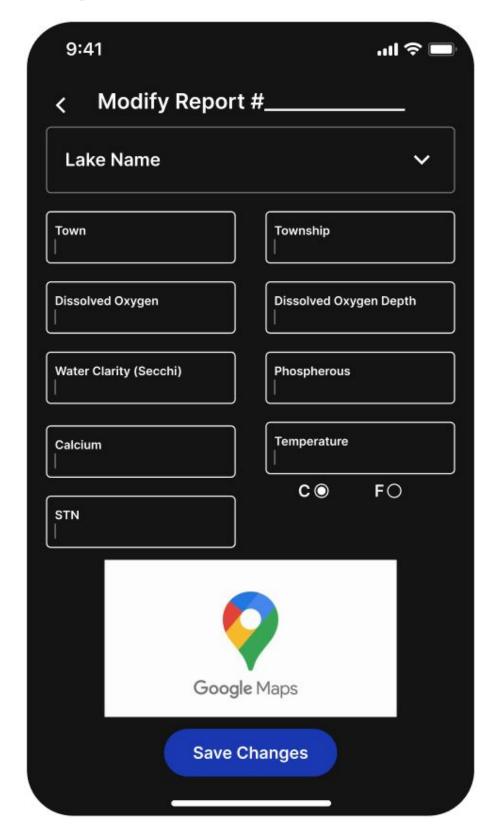
## Lake Report Page



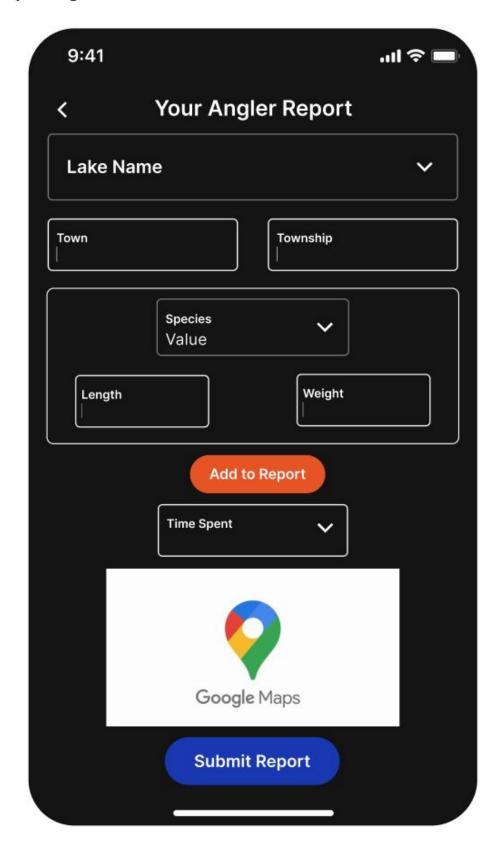
## Modify Lake Health Report Splash



## Edit Lake Health Report



## Angling Report Page



## Lake Health Splash Page

