SoCalHikes

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What is SoCalHikes?

Hiking App

Software for organizing, tracking, and ranking hikers and trails in the SoCal Area

- Profile
 - Users can log in & submit hike completions
 - Completions add to SCH Score
- Trail Explorer
 - Trails can be browsed with a map & details
 - Details include difficulty rating related to score
- Leaderboard
 - Top scoring Hikers are displayed on the SCH Rankings

Code

Backend

- MySql
 - MySQLWorkbench
 - SQL Server through XAMPP

Front/Server

- PHP
 - PHP functions to connect to MySQL for data
 - PHP Server through XAMPP
- HTML/CSS
 - Web Display & Style

MySQL

```
-- This is the basic trail table, this will hold the main information regarding each specific trail.
       DROP TABLE IF EXISTS TRAILS;
9 • ⊖ CREATE TABLE TRAILS (
           trailID int(5) serial default value,
10
11
           trail_name varchar(50) NOT NULL,
12
           zipcode int(5) NOT NULL,
           city varchar(35) NOT NULL,
13
14
           -- start_lat decimal(8, 6) NOT NULL,
           -- start_long decimal(9, 6) NOT NULL,
16
           -- end lat decimal (8, 6),
           -- end_long decimal (9, 6),
17
18
           difficulty int(1),
19
           completion time int(4),
           maplink varchar(500),
20
21
           PRIMARY KEY (trailID)
22
23
       ALTER TABLE TRAILS ADD CONSTRAINT Max_Difficulty CHECK (difficulty <= 3);
24 •
25
       DROP TABLE IF EXISTS USERS;
27 • ⊖ CREATE TABLE USERS (
28
           userID int(10) serial default value,
           username varchar(15) NOT NULL UNIQUE,
29
           passwrd varchar(60) NOT NULL,
30
31
           birthday date NOT NULL,
32
           sch_score int(5) DEFAULT 0,
           trail_count int(3) DEFAULT 0,
33
           PRIMARY KEY (UserID)
34
```

PHP

```
if(session status() !== PHP SESSION ACTIVE) session start();
if (!isset($_SESSION['userID'])){
    header("Location: ../log_in.php");
include('connect.php');
$userID = $_SESSION["userID"];
$trailID = $ GET['trailid'];
$sql = "INSERT INTO COMPLETED_TRAILS (userID, trailID) VALUES ('$userID', '$trailID')";
if ($link->query($sql) === TRUE) {
    echo "Hike Marked";
    header("Location: ../hike list.php");
    echo "Error: " . $sql . "<br>" . $link->error;
$link->close();
header("Location: ../index.php");
```

HTML/CSS

```
<html lang="en">
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width, initial-scale=1.0">
   <link rel="stylesheet" href="CSS/styles.css">
   <title>SoCalHikes</title>
   <div class="dropdown">
      <a href="log in.php">Log In</a>
         <a href="create_account.php">Create Account</a>
         <a href="profile.php">Profile</a>
         <a href="hike_list.php">Hikes</a>
         <a href="sch_leaderboard.php">SCH Leaderboard</a>
         <a href=""></a>
         <a href=""></a>
         <a href="log out.php">Log Out</a>
<div class="Title">
      <h1>Welcome to SoCalHikes</h1>
      <h2>Let's see what's out there.</h2>
```



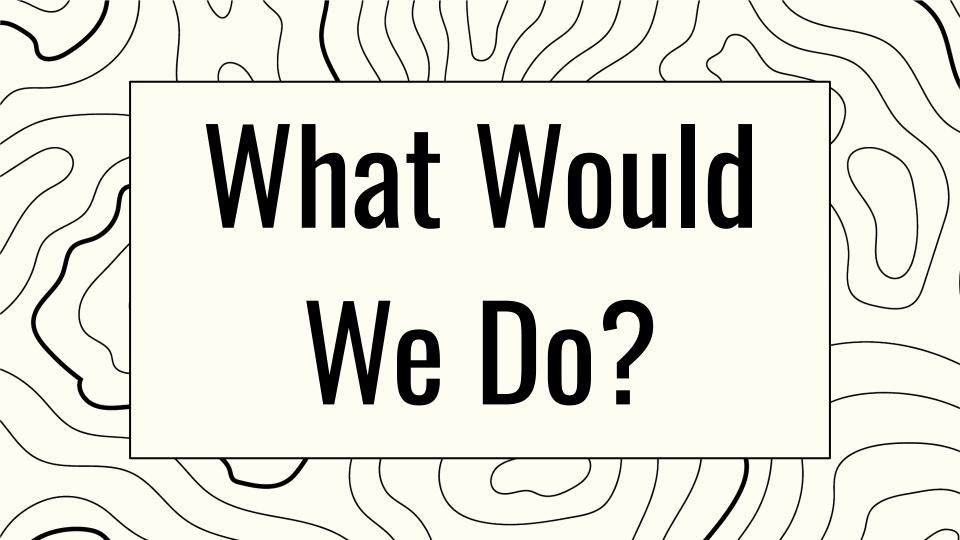
Challenges

Time

- Learning Front-End
- Features were cut
 - Database includes some of these, but the Webpage has no interaction with feature

Connections

- Attempts were made to host this publicly
 - Could not get php permissions working
 - Locally Hosted



Goals

Publicly Hosted

- Connectable at all times
- No need for client to have XAMPP & MySQLServer

Cleaner Code

- HTML is first-time and clunky
- CSS is especially overwritten

Lost & More Features

- Restoration of any lost features
 - Rating & Favorites
 - User SubmittingTrails

Aesthetics

- Make the HTML look good
 - Add more CSS
- Include JavaScript for dynamic attributes

