

**Project Title:** "Where's the Spot"

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**Cohort:** Summer 2020

## Project Overview

### 1.1 Description

*A photography application that allows users to search for locations by city and create data around photoshoot locations. Whether it is searching for a location for a wedding, or sharing a unique location that is perfect for portraits.*

### 1.2 Problem

*Photographers are always looking for new locations to take photos at - there are ways to do this now but there is a lot of data surrounding photography locations that has yet to be presented to a user, such as accessibility, access to washroom, ample parking, access to public transit, etc.*

### 1.3 User Profile

*End users are photographers, location scouts and art directors. They'll use the app through the web and the application will allow for their location search to become more efficient. The app must be able to return to the user accurate material and have thorough data.*

### 1.4 Requirements: Use Cases and Features

*Landing page directing a user to a particular city*

*List view of locations with intermediate info*

*Info page that includes more details about the location to a user.*

*Ability to upload a new location with subsequent data*

### 1.5 Tech Stack and APIs

*React*

*Express*

*Axios*

*NPM*

*Node.js*

*SASS*

## 2. Client-Side Implementation

### Site Map

*Location list page*

*Location page*

*Uploader*

*Landing/Home page*

### 3. Server-Side Implementation

#### 3.1 End-Point Descriptions

End-point	Response Format
<i>HTTP GET - /locations</i>	<i>Location data held in JSON file/express</i>
<i>HTTP GET - /locations/:id</i>	<i>Get a specific location from the list of data</i>
<i>HTTP POST - /locations/</i>	<i>Post a new location to the location list endpoint</i>

#### 3.2 External APIs that will be consumed

*User created*

#### 3.3 Database Structure

*JSON*

#### 3.4 Authentication/Authorization and Security

*None right now*

### 4. Project Roadmap

#### Phase 1

Day	Goal
<i>1 (Wed)</i>	<i>Create data set</i>
<i>2 (Thurs)</i>	<i>Build home page and location list component</i>
<i>3 (Friday)</i>	<i>Define all Endpoints in express, connect endpoints</i>
<i>4 (Mon)</i>	<i>Implement functionality of endpoints - create JSON response and verify endpoint responses</i>
<i>5 (Tues)</i>	<i>Build React App overall structure and high-level components</i>
<i>6 (Wed)</i>	<i>Connect smart components to end-point APIs</i>
<i>7 (Thurs)</i>	<i>Test/debug end-to-end functionality of app</i>
<i>8 (Fri)</i>	<i>Implement CSS/Styling</i>
<i>9 (Mon)</i>	<i>Code Clean up, last minute testing/debugging</i>
<i>10 (Tues)</i>	<i>DEPLOYMENT</i>
<i>11 (Wed)</i>	<i>DEMO DAY</i>

#### Phase 2

#### Phase 3