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SWDV 691

YourForecast

Service Endpoints

Minimum Viable Product (MVP): User interface will need to be able to support front end features such as a simple design easy for users to navigate. The core interface feature for the success of this site will be the search box located on the home page. Users should be able to type in city location or zip code and be greeted with current weather details.

Get/ location/ {city name} {state code}
Description: User inputs city and state information
Output:
    Success: posts weather
    Error: "invalid city or state information provided"

Post/ location/{city name}{state code}/current weather
Description: Weather is displayed after applicable city state is input
Output:
    Success: posts weather
    Error: "invalid location provided"

Get / location/ {zip code}
Description: User inputs zip code
Output:
    Success: posts weather
    Error: "invalid zip code"

Post/ location/ {zip code}/current weather
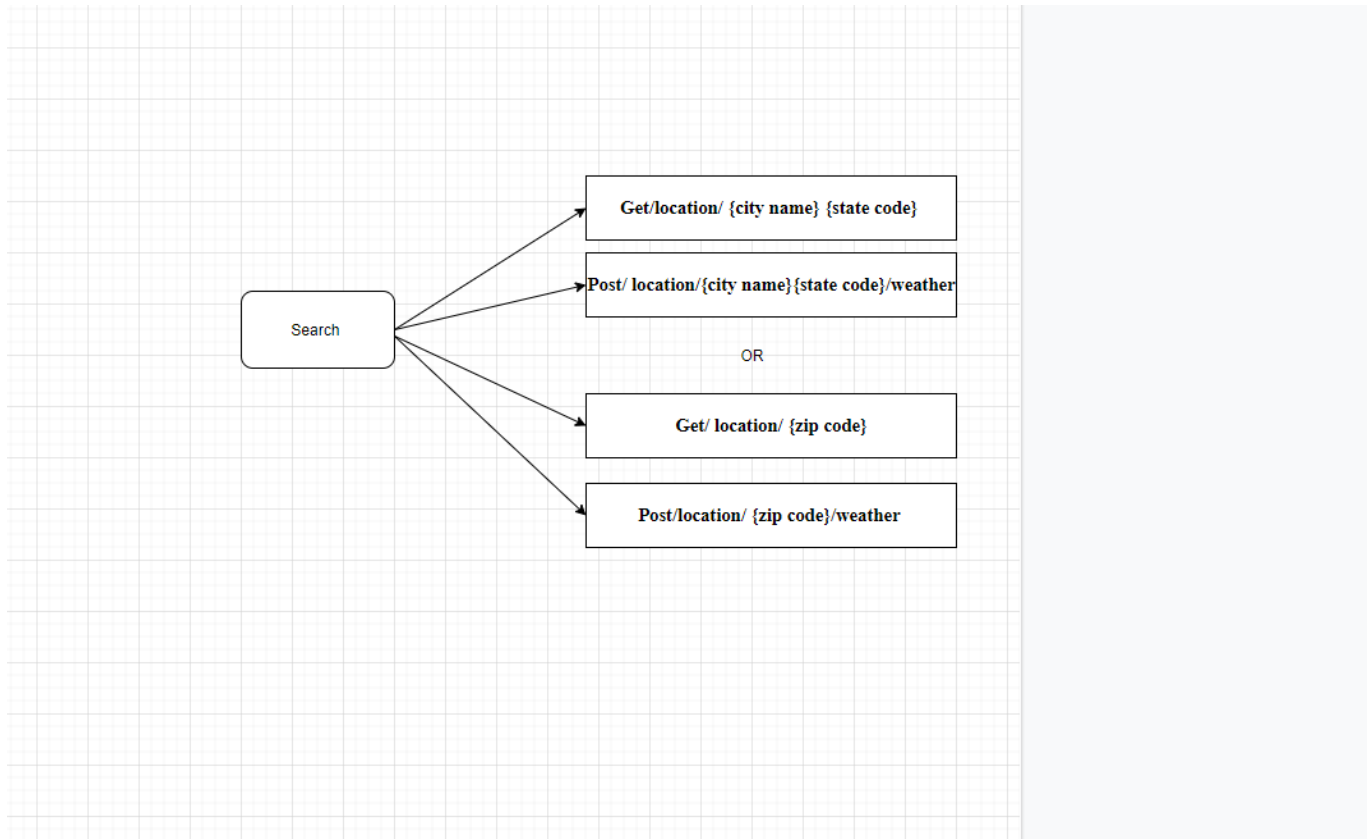Description: Weather is displayed after applicable zipcode is input
Output:
    Success: posts weather
    Error: "invalid location provided"

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Diagrams

Search bar could be found on multiple pages but for MVP search bar is required. This Diagram would only produce current forecast information.

Stretch Features: Almanac has been changed to a stretch feature where users will be provided 30 days of weather details based on users requested location information. 10 day forecast page has also been moved to a stretch feature.

Get/ location/ {city name} {state code}
Description: User inputs city and state information
Output:
       Success: 30 days of weather listed
       Error: "invalid city or state information provided"

Post/ location/{city name}{state code}/forecast 30 days
Description: Weather is displayed after applicable city state is input
Output:

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Success:
Error: "invalid location provided"

Get/ location/ {city name} {state code}
Description: User inputs city and state information
Output:
Success: 10 days of weather listed
Error: "invalid city or state information provided"

Post/ location/{city name}{state code}/forecast 10 days
Description: Weather is displayed after applicable city state is input
Output:
Success: 10 day forecast provided
Error: "invalid location provided"

Diagrams:

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Pages

| Home |
| Almanac |
| 10 Day Forecast |

EndPoints

| Get/location/ {city name} {state code} |
| Post/ location/{city name}{state code}/Current Weather |
| Get/location/ {city name} {state code} |
| Post/ location/{city name}{state code}/30 day forecast |
| Get/location/ {city name} {state code} |
| Post/ location/{city name}{state code}/10 Day Forecast |