Block 2 Challenge Proposals
Weather forecast web application

Purpose:

Retrieve the whether from different locations getting input from user through form.

Audience:

All kind of users interested on the weather.

Data Sources:

https://openweathermap.org

External API:

Open weather API

LocalStorage:

Used to store the last city or post code selected and display it next time the user visit the page

Local JSON file:

Used to store basic information of the selected city. Once stored in the JSON file, we can then use them to display the city name, temperature, whether condition and other useful information to the web page.
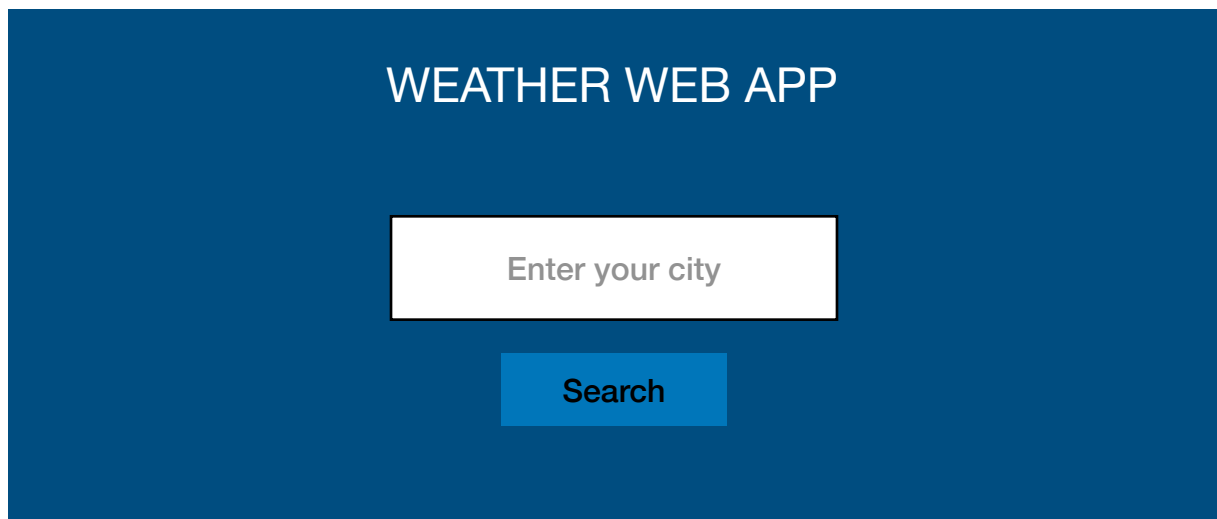
Initial Module list:

- Search City module
- Current weather with temperature (displaying wether icon)
- Weather details for the current city (including wind speed, sunrise & sunset, pressure, humidity, UVI)
- Weather forecast for next few days

Stretch Goal: Display weather alerts with description if available.
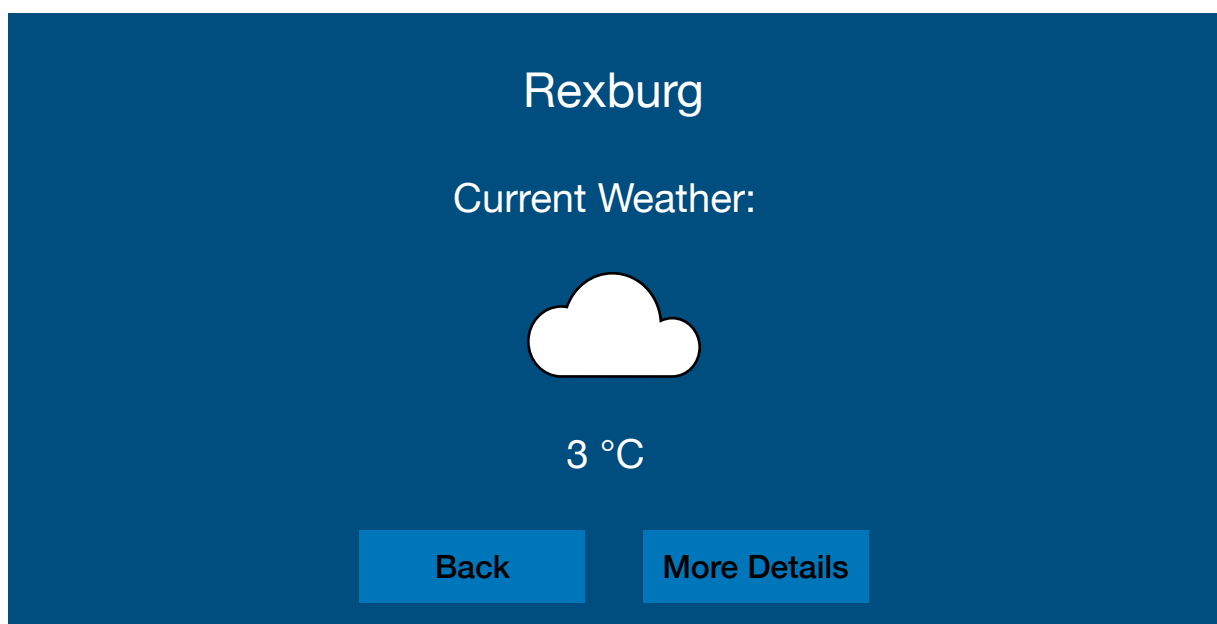
Wireframes for each view of your application:

Main View - Search City:

WEATHER WEB APP

Enter your city

Search

Current city view (the icon will vary as I will take it from the API):

Rexburg

Current Weather:

3 °C

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Weather details for the current city:

Rexburg

Wednesday, 02:35 PM
Precipitation: 61%
Wind: 26 km/h
Humidity: 67%
Sunrise:
07:14 AM
Sunset:
05:08 PM

| Back | Forecast | See Alerts |

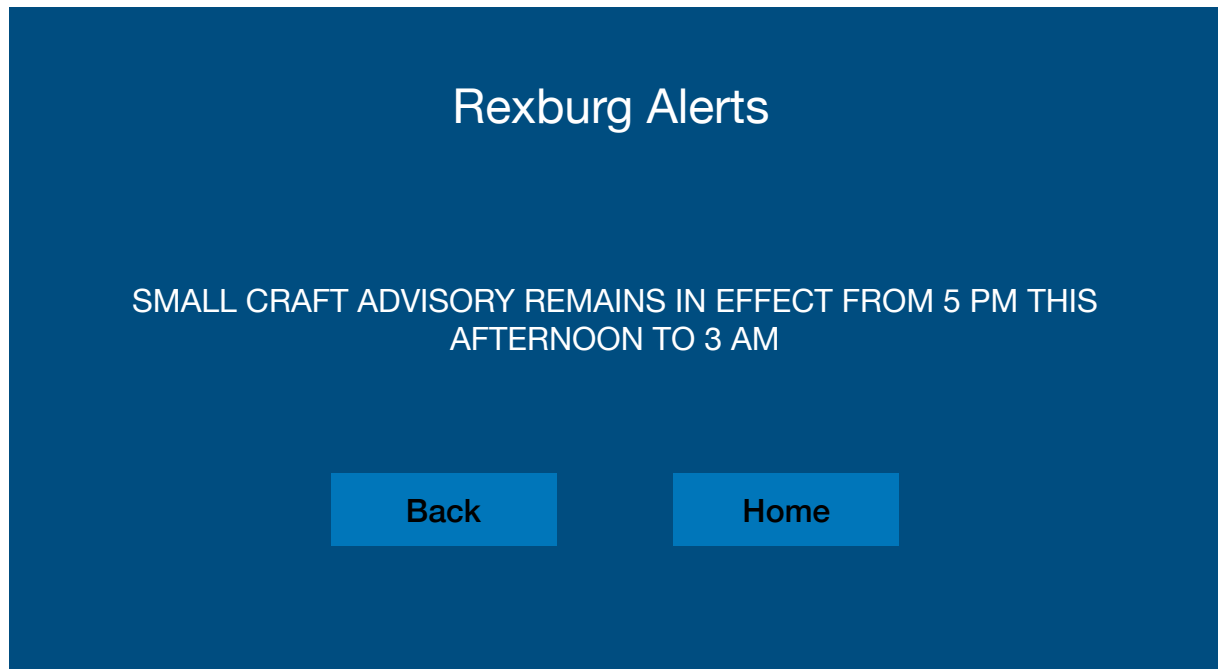Forecast module (Home button brings to main view):

Rexburg 5 days forecast

Wed, Nov 09 2 / -4°C rain and snow

Thu, Nov 10 -3 / -9°C snow

Fri, Nov 11 -5 / -15°C overcast clouds

Sat, Nov 12 -5 / -16°C overcast clouds

Sun, Nov 13 -6 / -15°C few clouds

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Alerts with description (when clicking on See alerts from Weather details):

<div style="background-color:#0a4d7c; color:white; text-align:center;">

Rexburg Alerts

SMALL CRAFT ADVISORY REMAINS IN EFFECT FROM 5 PM THIS
AFTERNOON TO 3 AM

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Scheduled milestones to stay on target:

- **Week 10**: Create layout and all views
- **Week 11**: Retrieve all the needed information from API
- **Week 12**: Display to user all the information in the right views
- **Week 13**: Debugging
- **Week 14**: Finalise details of the project