

# Weather Website

## 1. Introduction

My idea is to implement a website for weather forecasts. It is a common idea and nothing new, but I would like to dive into the idea of navigating such a webpage. I would like to show the whole week and short information on the main page and maybe when clicking on a specific day it shows the weather in more detail. The values and benefits of this application are mainly for me to see how such a website could be build with little knowledge. To the user it shows just the weather forecast.

## 2. Design and Implementation

I really changed the design of my webpage a lot. I tried to stay with my initial design ideas as good as possible, but some things were easier and a lot more efficient otherwise. It is very helpful to have a prototype of any kind. I think everyone should make one before starting to code. I started with the homepage. I initially thought of making breadcrumbs at the top without any other navigation, but I ended up implementing a header with the title as a link to the homepage and additional breadcrumbs only if you choose a day and go into that fragment. I also added a login button.

I thought it would be nice if the header had a light blue color and also a logo with some additional color to lighten up the page.

Then I added the input field to update the location you see the weather from. The rest is similar to the prototype. I have an overview of the week where you can choose your day. The single cards are fading in and the pages are sliding in too.

When you click on a day, you get navigated to the weather details of that day. You see your location with breadcrumbs below the header. First you got an overview text and then the single hours of the day. Down below is a list of additional weather conditions. This page is very similar to the prototype.

I also worked with redux forms and with the json-server. This was very difficult at first but after two days I really started understanding and knowing how to solve the problems. So by updating you send the location and it gets saved.



# Weather Forecast

[Update Location](#)

Your daily weather forecast with the fastest updates !

Down below you see an overview of the whole week, click on the day you are interested in, to display its details. The specific day with its weather conditions will pop up on your window !

**Monday**

Day: 27°C ---  
Night: 15°C

**Tuesday**

Day: 22°C ---  
Night: 13°C

**Wednesday**

Day: 21°C ---  
Night: 10°C

**Thursday**

Day: 26°C ---  
Night: 15°C

**Friday**

Day: 27°C ---  
Night: 17°C

**Saturday**

Day: 18°C ---  
Night: 9°C

**Sunday**

Day: 16°C ---  
Night: 7°C

## Our Address

Za, Jakob Harringer Straße  
Salzburg, Salzburg  
Austria  
☎ +852 1234 5678  
✉ [forecast@weather.net](mailto:forecast@weather.net)



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# Weather Forecast

[Update Location](#)

## Login

Username

Password

☐ Remember me[Login](#)**Monday**

Day: 27°C ---  
Night: 15°C

**Tuesday**

Day: 22°C ---  
Night: 13°C

**Wednesday**

Day: 21°C ---  
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**Thursday**

Day: 26°C ---  
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**Friday**

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## Tuesday



Another cold night is expected across the Northeast heading into Wednesday, but subfreezing temperatures will be confined to New England where lows will be falling into the 20s. Farther south, low temperatures across the Mid-Atlantic will range between the 30s and 40s. Another cold night is expected across the Northeast heading into Wednesday, but subfreezing temperatures will be confined to New England where lows will be falling into the 20s. Farther south, low temperatures across the Mid-Atlantic will range between the 30s and 40s.

10:00 am



20°C

11:00 am



22°C

12:00 am



20°C

13:00 am



23°C

14:00 am



24°C



## Wind Conditions

Another cold night is expected across the Northeast heading into Wednesday, but subfreezing temperatures will be confined to New England where lows will be falling into the 20s. Farther south, low temperatures across the Mid-Atlantic will range between the 30s and 40s.



## Rain Conditions

Another cold night is expected across the Northeast heading into Wednesday, but subfreezing temperatures will be confined to New England where lows will be falling into the 20s. Farther south, low temperatures across the Mid-Atlantic will range between the 30s and 40s.



## Humidity

Another cold night is expected across the Northeast heading into Wednesday, but subfreezing temperatures will be confined to New England where lows will be falling into the 20s. Farther south, low temperatures across the Mid-Atlantic will range between the 30s and 40s.



## Pressure

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## Temperature

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### 3. Conclusions

- I again saw how helpful prototypes can be
- This time I started from scratch and listened again to all the videos with my project open right next to the videos. It took way longer implementing something that worked, but I also learned more about the structure.
- I would read and listen more to the videos next time and doing everything step by step

### 4. References

- <https://www.weatherbug.com/weather-forecast/10-day-weather/>
- <https://www.weatheronline.co.uk/Italy.htm>
- <https://www.bbc.com/weather/3173577>