SWA1 A23 Course Assignment 1

The GitHub project at <https://github.com/olehougaard/weather_report> is a web service that serves random weather data and predictions for Horsens, Aarhus and Copenhagen. You can download it from the site or clone it with git using

git clone https://github.com/olehougaard/weather\_report.git

See the documentation at the URL above.

# The task

Your task is to create two web pages that show the weather forecast and data for the three cities Horsens, Aarhus, and Copenhagen. There are no requirements about styling or readability. The pages should show

* The hourly forecast for the next 24 hours
* All data for the latest measurement of each kind
* Minimum temperature for the last day
* Maximum temperature for the last day
* Total precipitation for the last day
* Average wind speed for the last day

The pages should have ways to switch between the three cities.

In addition, you must make a page to allow sending weather data to the server.

# Requirements

You must make and implement a model of the weather data and weather forecasts. Use inheritance to factor out the commonalities of the objects. You can use the model on the next page as inspiration, but it is not mandatory. Implement the model using factory functions and concatenative inheritance.

You must make two implementations of the web pages:

1. Using XmlHttpRequest
2. Using fetch

The assignment should be made in groups of 2-4 students.

