**System Architecture Justification**

The Wearther application is a web-based application that displays weather forecasts, as well as displaying clothing recommendations based on the weather forecast. The architecture of the system is simple and lightweight, with an intuitive interface that is easily interpreted by the user. To maintain the simplicity of the application’s design, the architecture is composed of the following:

* JavaScript
  + The backbone of our application, JavaScript will be handling everything on the front-end side.
* React.js
  + We have chosen React as our JavaScript framework, as its emphasis on performance and flexibility make it a great fit for our application. This framework allows us to reuse components to speed up the implementation phase, creating a simple, intuitive, and responsive user interface.
* [Pirate Weather API](https://docs.pirateweather.net/en/latest/API/)
  + After considering a few options, we decided to choose the Pirate Weather API for our weather API. Similar to the Dark Sky API it is based on, the Pirate Weather API offers a plethora of parameters and customization options that provide everything a user could want from a weather application—as well as providing free access for up to 10,000 requests per month.