PROGRAM DESING

Main App Outputs

* User will be able to input the place location.
* User will see weather of the days from the API, with their respective image/gif behind them. (from another API).
* User will see the statics data (weekly statistics):
  + - The minimum/maximum (temperature, rain, humidity, pressure, wind, sunrise, sunset) and the day in which it’s likely to happen
    - The weekly average for all the weather states (temperature, rain, humidity, pressure, wind, sunrise, sunset)
* While fetching the data you will be using a loader element so that you display the whole package information.

**CODE DESIGN**

App Logic Module

### ***The Weekly Data***

* Function A is async, which got a try and a catch.
* It receives an argument from user form dialogue.
* First collect data, keep it in collectedRawData.
* Then extracts the data in a useful form and keep the data in extractedData.
  + Make a day object.
  + First extract a day like if the date.getDay() is 1 then it’s Monday …
  + Collect temperature and keep it in its dayTemperature from dayTemperatureFn(), also maxDayTemperature from maxDayTemperatureFn() …
* Invoke different functions and they will extract from extractedData a specific data. Example getTemp() will be called and will push the temperature in Celsius into displayingData array.
* Note that the above functions will all be the promises.
* So they need to be perfect all of them in order to display the data to the DOM and remove the DOM loader. (Promise.all() is to be used).
* And the data collected will all be pushed in an array when the promise is successful.
* Data to be collected : minimum/maximum (temperature, rain, humidity, pressure, wind, sunrise, sunset).
* Also the catch will be displaying an error which will occur, when the any process fails.

//Exports the fetchingData Container, the function which receives a user input and the displayingData array

### ***The weekly display data***

* The data to be