

Weather and AQI Webapp

Submitted To-
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Submitted By-

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Introduction

- Local air quality has an impact on how you live and breathe.
- Weather patterns impact on air pollution levels, influences factors like temperature, windspeed, precipitation, etc.
- Increased pollution levels affect healthcare costs.
- Reduces productivity that affects economical factor.



Objective

Primary

Problem solving by using Webapp created by HTML , CSS and JavaScript.

Secondary

Real Time weather and AQI Data Extraction to display.



Tools Used

Building
Webapp

HTML

Styling Webapp

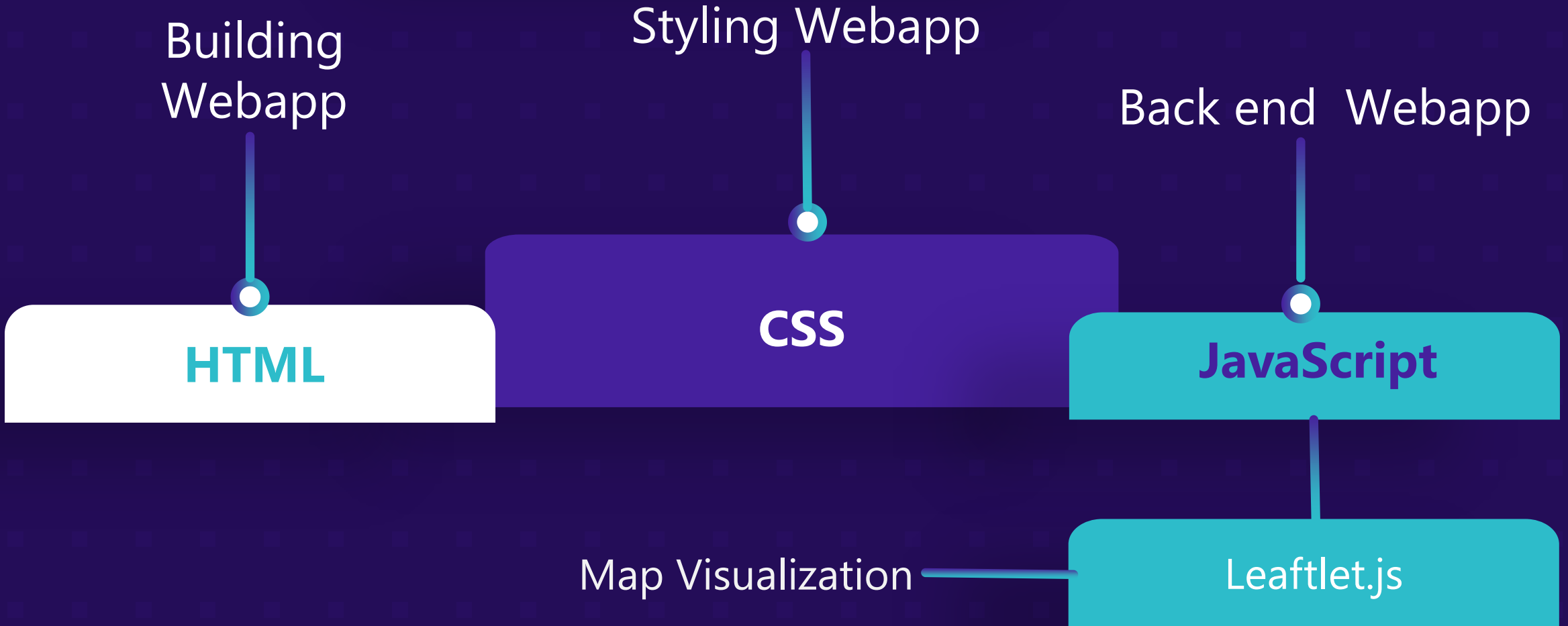
CSS

Back end Webapp

JavaScript

Map Visualization

Leaflet.js



Methodology

API
Generation
from Open
Weather Map

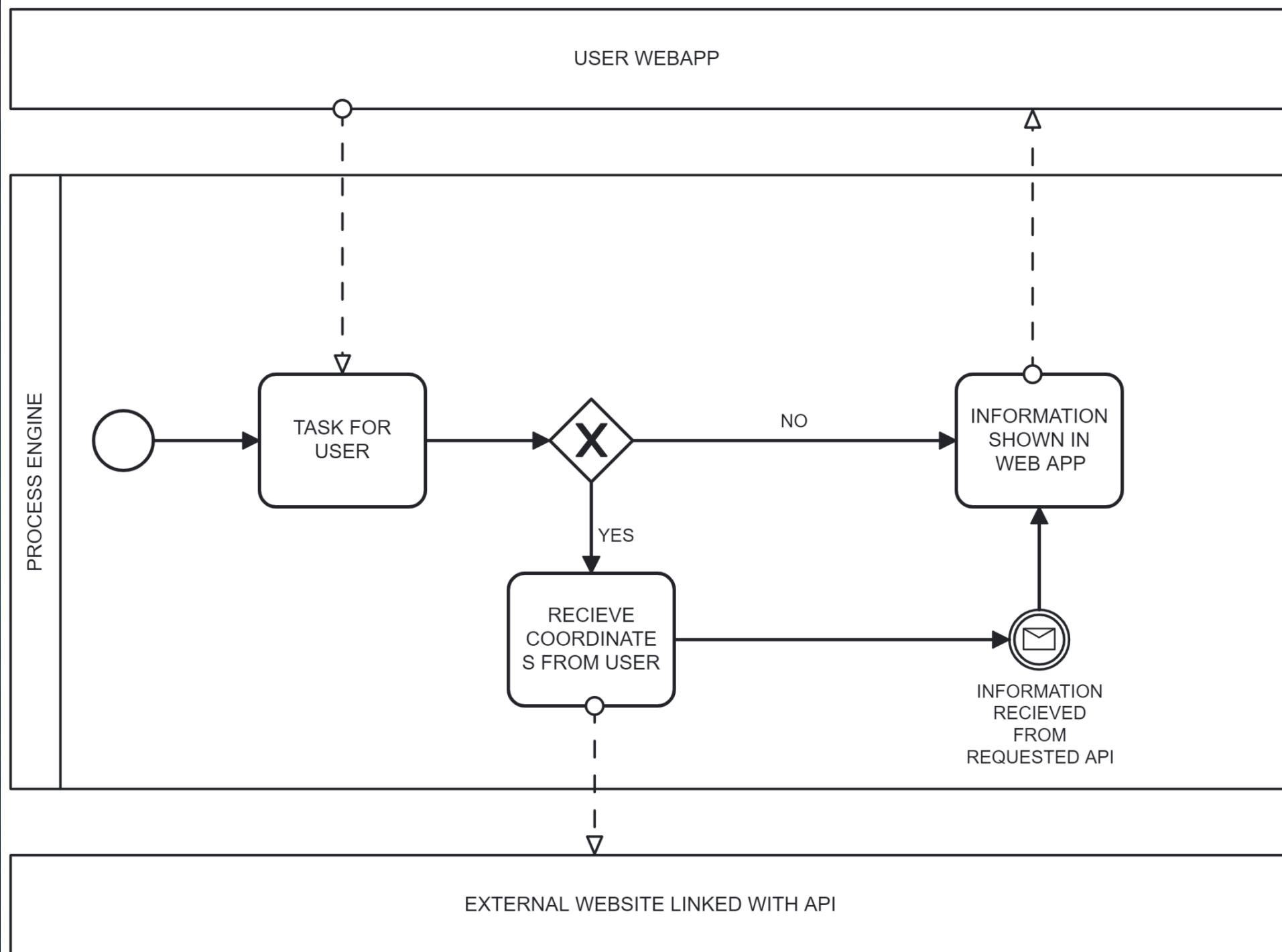
Data Fetched
from API

WebApp
development
using HTML,
CSS, &
JavaScript

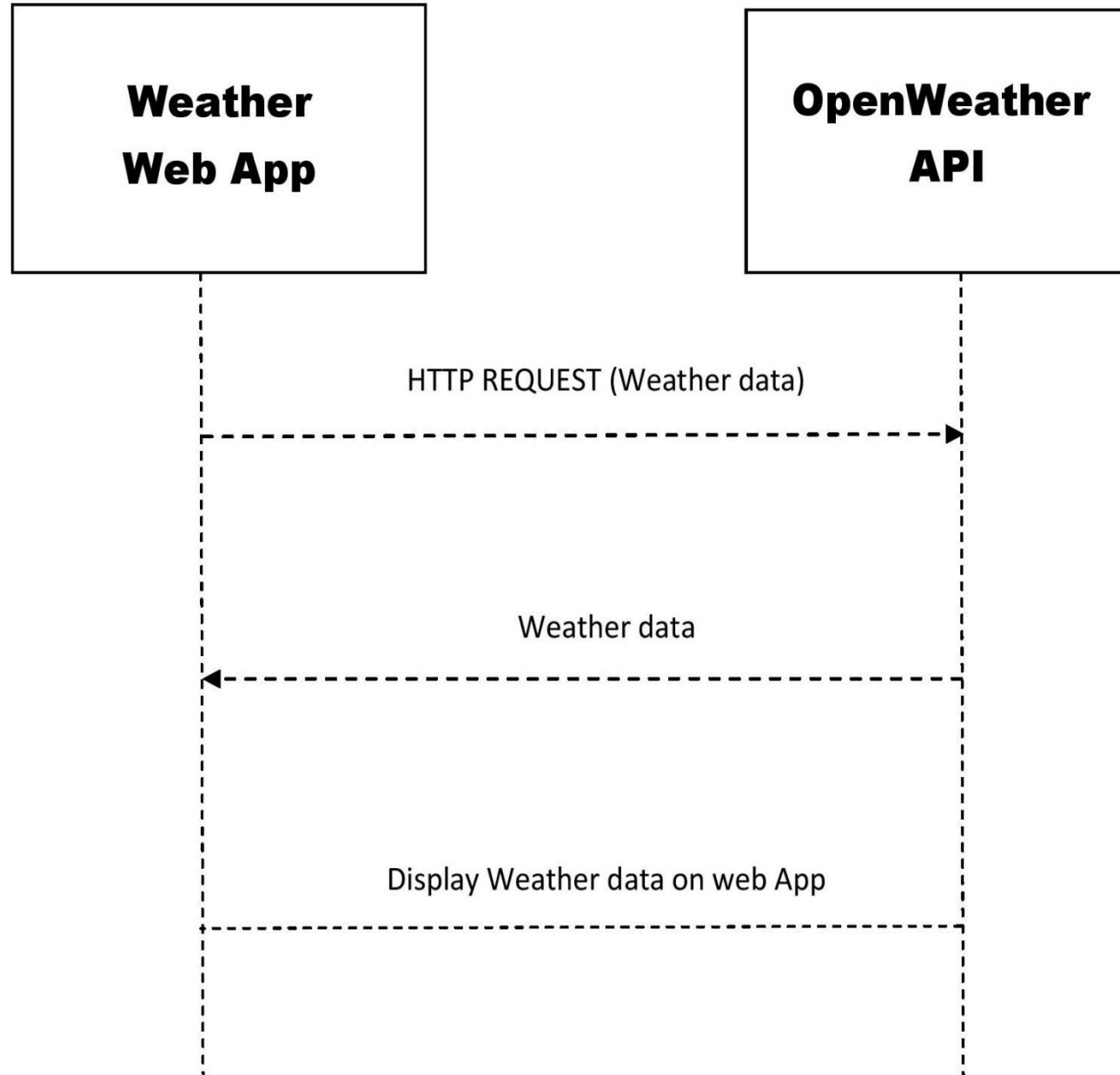
Visualizing
WebApp output
via Map using
Leaflet.js

WebApp
displaying
Weather and
Air Pollution
Data to user

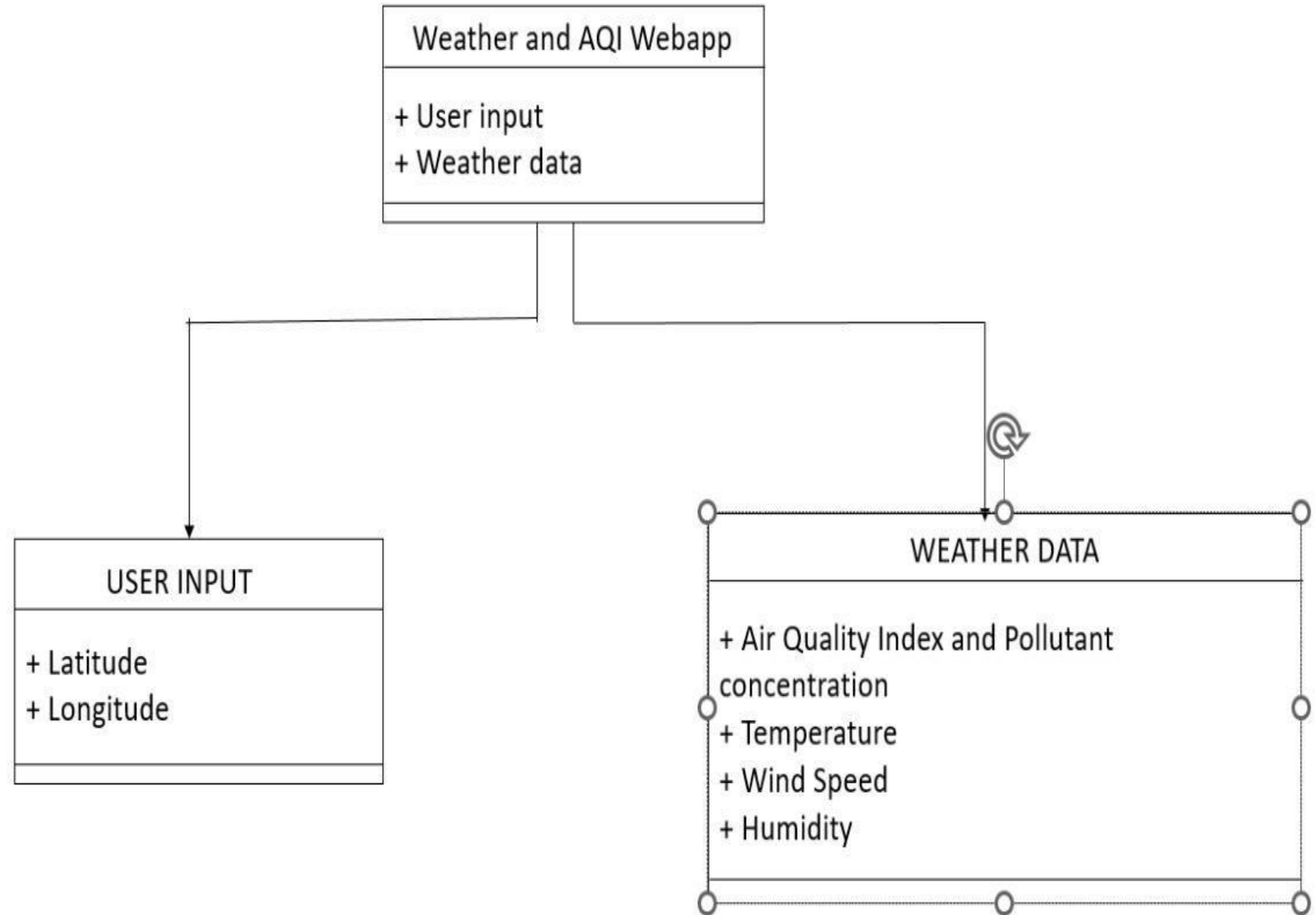
BPMN Diagram



Flow Diagram

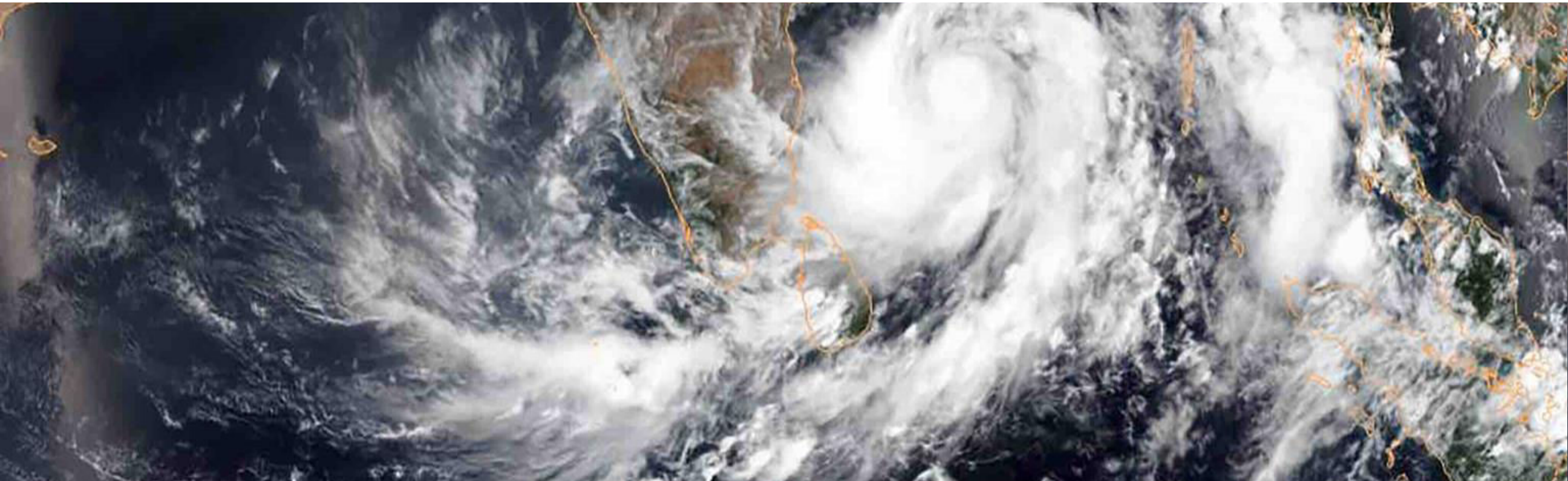


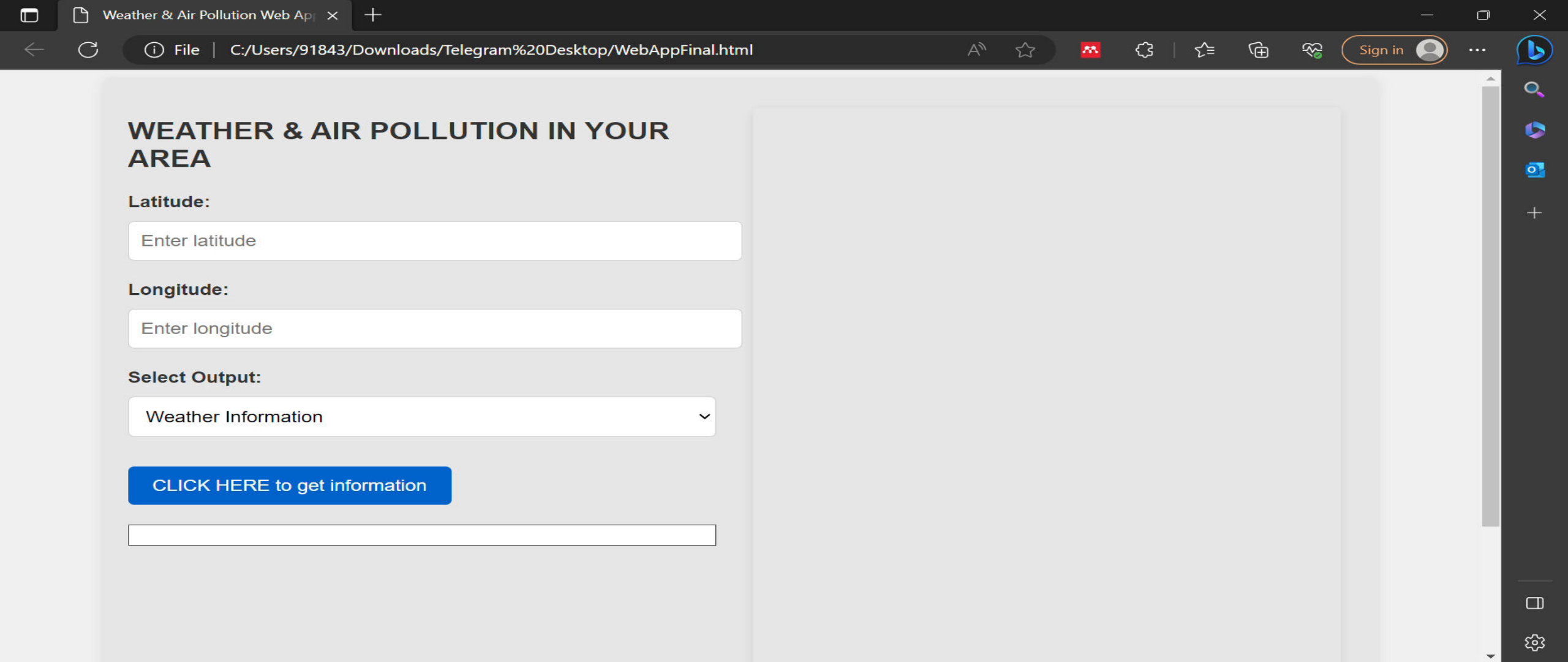
Class Diagram





WEB APP DEMONSTRATION

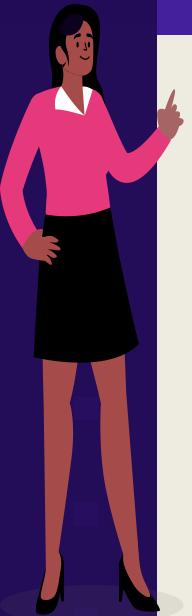


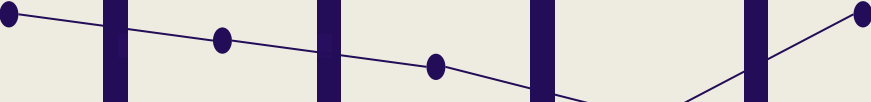







Git Hub Link- [https://github.com/akanksha19b/Geospatial_Workflow_Project-WEATHER -
AIR POLLUTION WEB APP](https://github.com/akanksha19b/Geospatial_Workflow_Project-WEATHER_-_AIR_POLLUTION_WEB_APP)

Why to Use Our Webpage?

- Features & additional information providing
- More User friendly
- Data source influence its accuracy & reliability as here using weather service data instead crowdsourced data.



Monday	Tuesday	Wednesday	Thursday	Friday
August 15	August 16	August 17	August 18	August 19
				
25° C	24° C	22° C	20° C	25° C
min. 19° C	min. 21° C	min. 17° C	min. 18° C	min. 20° C
				



Real Time Data



Precise Information



Location Specific Information



Empowers you to plan your day effectively

The background is a dark purple color. It features a grid of small, light purple squares. A vertical line of a slightly different shade of purple runs down the left side of the image. The text "Thank You" is written in a large, bold, white font in the lower-left quadrant.

Thank You