A logo for a college

Description automatically generated



Internet Software Architecture

Weather Application

# Prototype ONE

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# Introduction

The weather webpage is designed using HTML, CSS and JavaScript. The weather app fetches API from (<https://openweathermap.org/>) website. It uses all the concepts taught in class such as asynchronous function, fetch. The strength and weakness of the program is given below

# Strength

* The app uses all the features taught in class such as asynchronous function, making custom function, fetch function.
* The CSS has used the feature such as flex for styling.
* The icon has been linked from Github.
* The app can fetch weather detail of any city from the API of (<https://openweathermap.org/>) and display it in the browser. It is dynamic meaning the data can change according to the user’s need.
* The user experience and user interface of the program is good. The design is very user-friendly so the user doesn’t get overwhelmed by the information.
* The application contains weather icon and other icons so that the user can easily understand the detail without even having to read the texts.

# Weakness

* The weather application has constant need for internet so if the user has slow internet or no internet the API won’t fetch or the API will take long time to fetch leading to poor user experience.
* The weather app is dependent on others services so if the provider’s server stops working our web app will also stop working.
* The data isn’t stored in a database so we cannot show the previous data and the data only shows the current data.
* The web app cannot display multiple cities all at once. Hence the user can only see one city at a time.