Barrie Weather Conditions

Proposed to – XYZ Corporation

Date – 12th December 2022

Presented By –

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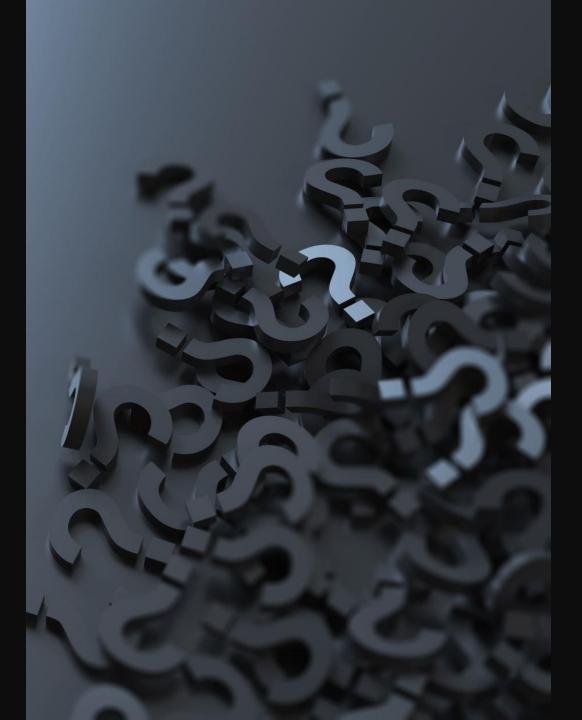 - **Billing**
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- **Summary**

- The team will be building a web application for XYZ corporation. The application will weather in Barrie city for the next 15 days

- The weather application will include certain features like depicting the daily temperature on a graph by pulling the data from and API and storing it in a cloud-based database.

- **Purpose**

- There are many reasons why knowing the weather forecast is important. Few reasons are –

- Letting people plan accordingly for the day.
- If severe weather conditions are already predicted, it will help avoid accidents
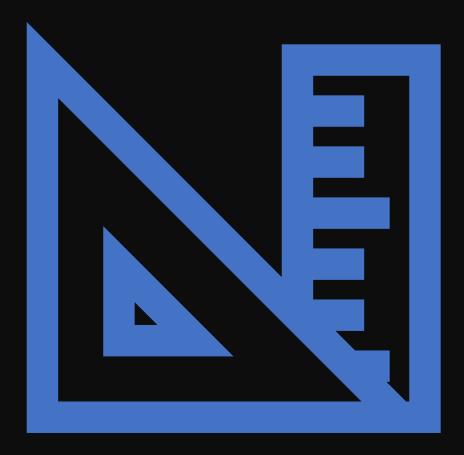- It helps in planning outdoor activities.

- **<u>Problem Statement</u>**

The problem at hand –

- **Create a Web Application using Flask framework**
- **Pull the data from an open weather API**
- **Store the data into the database**
- **Visualize the data using google charts**
- **Run a pseudo batch that runs every 24 hour to update the data.**
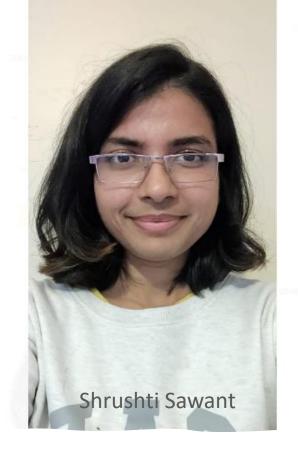- **Conduct a fit gap analysis on the project.**

Proposed Solution

The below tools and languages will be used to solve the problem –

- Programming language – Python
- Database – Mongo DB
- Framework – Flask
- Data Source - https://openweathermap.org/api
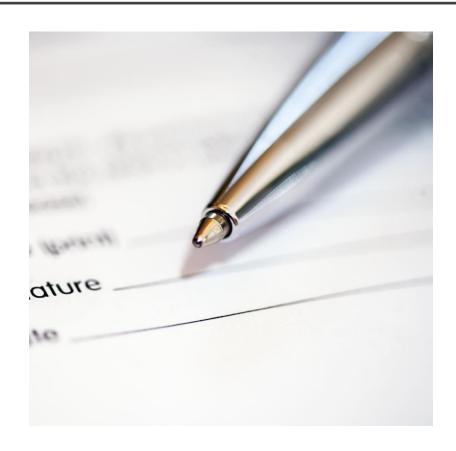- Other – HTML/ JavaScript, JSON

The Team

Shrushti Sawant

Sahil Duggal

Sagarika Nagpal

TIMELINE

Milestone	Complete By
Acceptance	October 5, 2022
Requirement Phase	October 15, 2022
Design Phase	October 25, 2022
Development Phase	November 15, 2022
Testing Phase	November 28, 2022
Release	December 3, 2022
Client Presentation	December 12, 2022

Billing

PERSONNEL	FEE	NUMBER OF EMPLOYEES	TOTAL
Developer Fee	$2000	1	$2000
Analyst Fee	$1500	2	$3000
Project Manager Fee	$1000	1	$1000

Acceptance and Signatures

The above document was read carefully and each and every statement has been agreed upon and accepted.

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XYZ CORP

The Weather App Developers