WEATHER APP

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OVERVIEW OF THE PRESENTATION

- Introduction
- Working of the Project
- Technology Used
- Data Source
- Benefits
- Architecture Diagram
- **OutPut**

INTRODUCTION

- The Proposed System provides the weather of different cities around the World.
- In this system the user can view Weather for which they search for.
- The system can track Local and National Weather.
- The Proposed system uses Rapid API for searching the Weather.

WORKING OF THE PROJECT

- The User is asked to enter the name of the city.
- User then clicks on Search which further calls the Rapid API.
- Weather conditions of place which include Temperature, Humidity, Wind Speed, Wind Degree, Cloud PCT are displayed.
- If user wishes to search weather for other cities he can re-enter the city name in search bar and press enter.
- If user wishes to exit, he can simply close the application.
- In this system don't need to setup weather station in each city on each country to get weather information. We can get those information incuding Temperature, Humidity etc. by using Weather API.

TECHNOLOGY USED

- **Programming Languages** :
  1. HTML
  2. CSS
  3. Javascript
- **Framework** : Bootstrap
- **API** : Rapid API

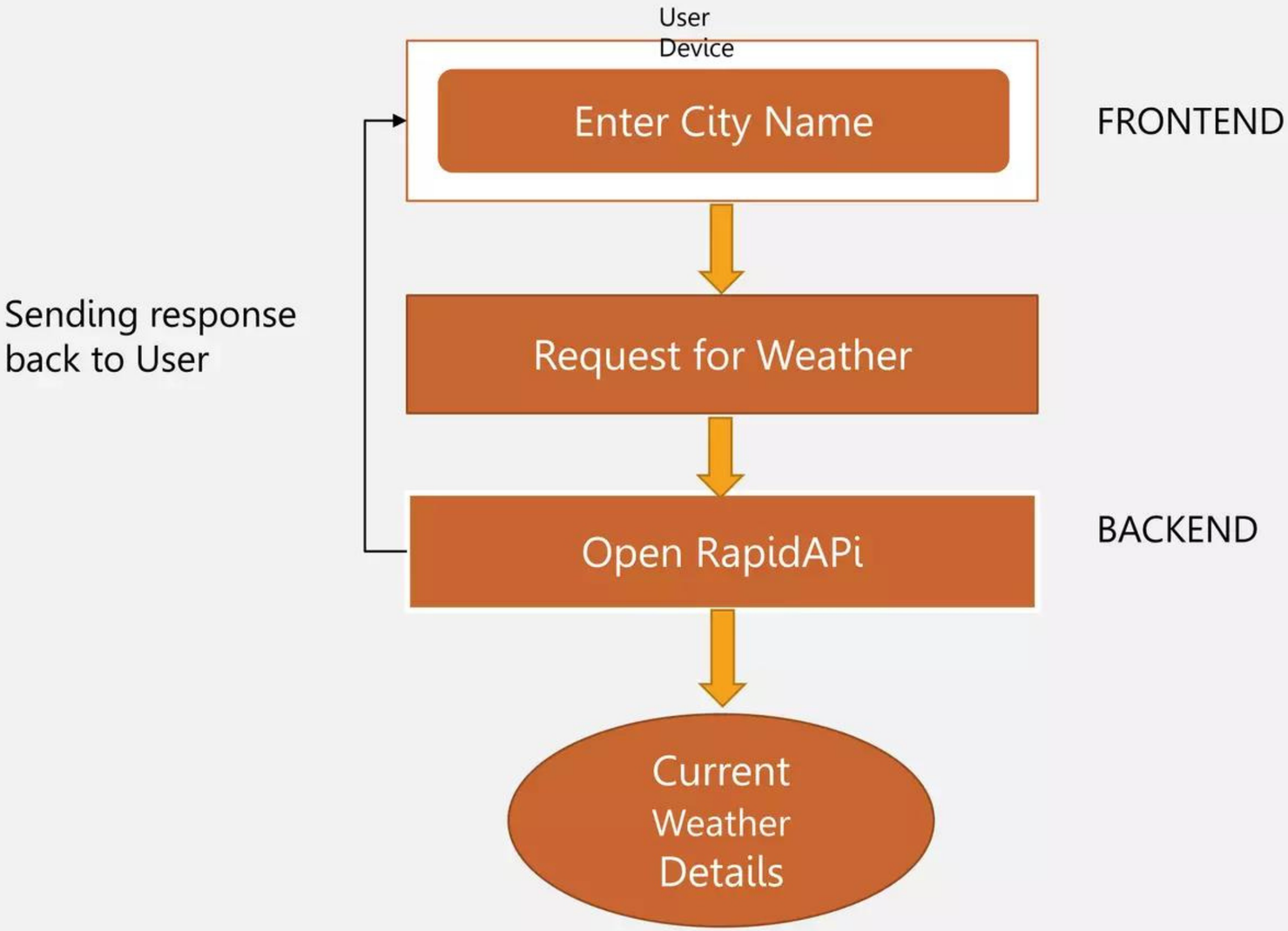
DATA SOURCE

- Our system uses RapidAPI to get the weather information.
- RapidAPI, the World's largest API hub, is used by millions of developers to find, test, and connect to thousand of APIs.
- The back-end of the application uses API from RapidAPI, which is an open source and enables anyone to download APIs for various purposes.
- We are using "Weather by API-Ninjas" from RapidAPI Hub.

BENEFITS

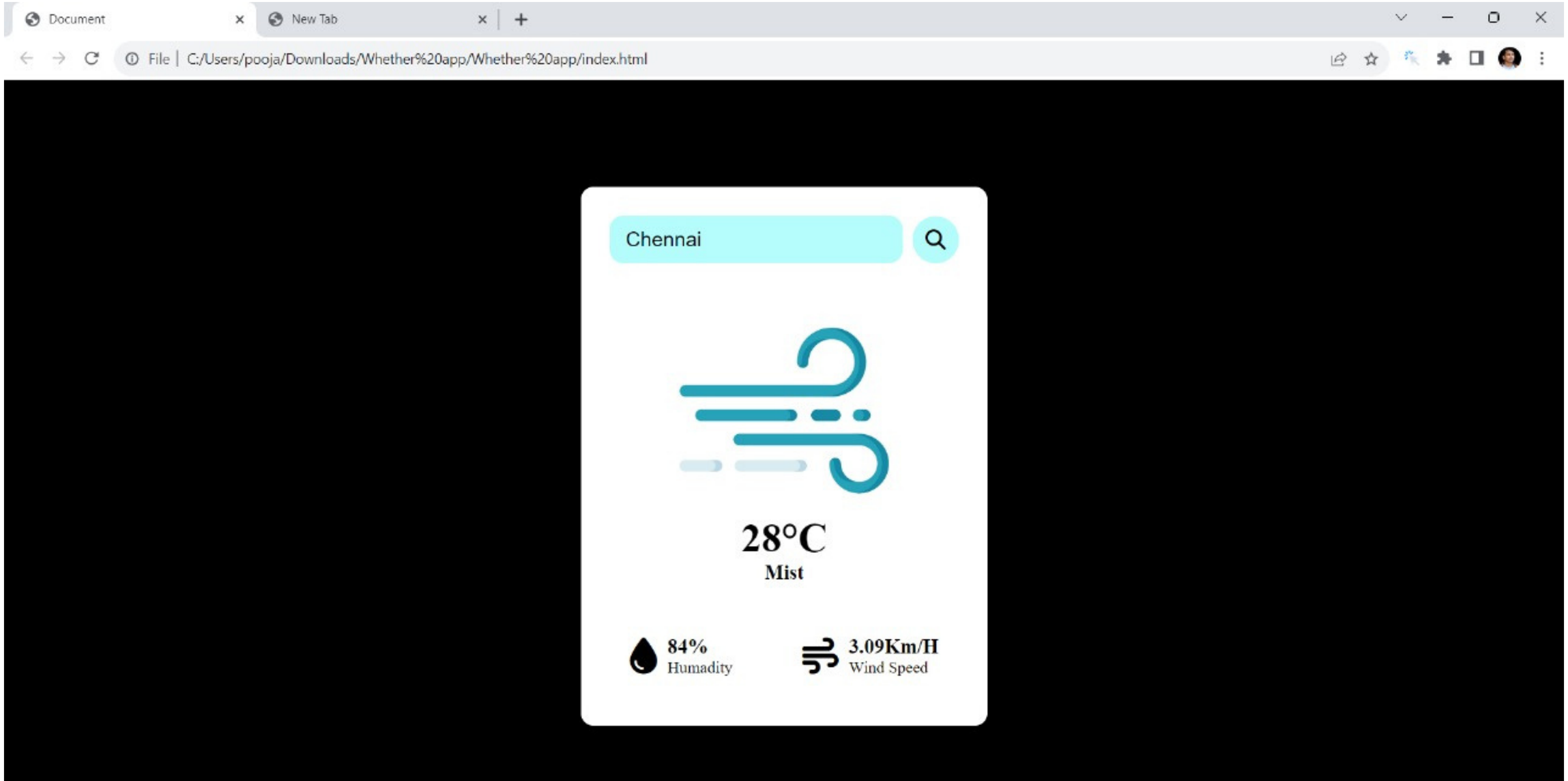
- The weather app enables you make better prepration for the day in relation to giving accurate daily weather.
- We need Weather App to plan Journeys ahead, To plan meetings / commute timings.
- A person travelling in a bus, train or flight may need to check the weather in his destination city.
- The system provides you with details of the weather elements – Temperature, Wind speed, Humidity, Wind Degrees, Pecipitation, etc.

ARCHITECTURE DIAGRAM



OUTPUT

OUTPUT 1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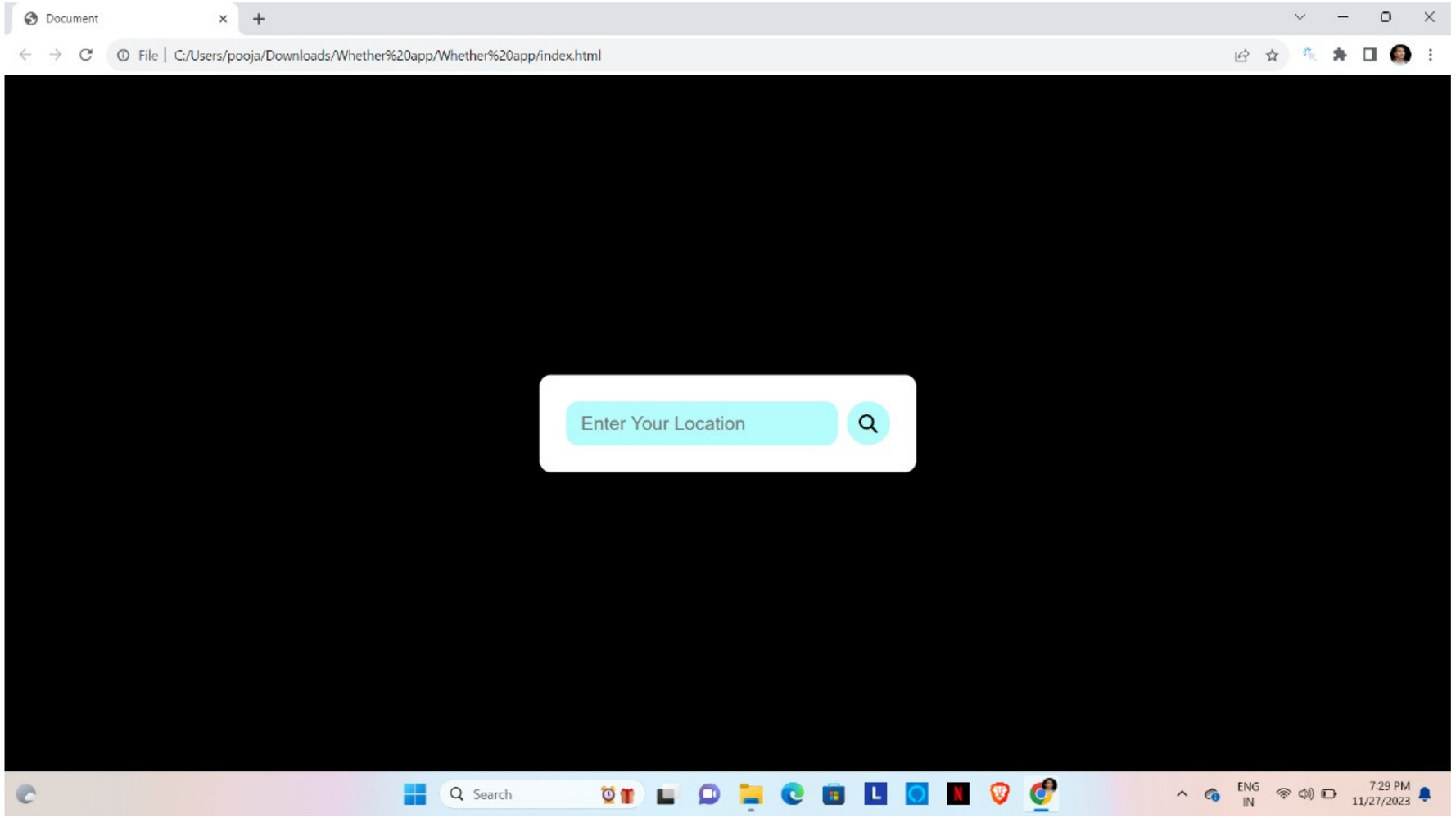
Wind Speed

OUTPUT 2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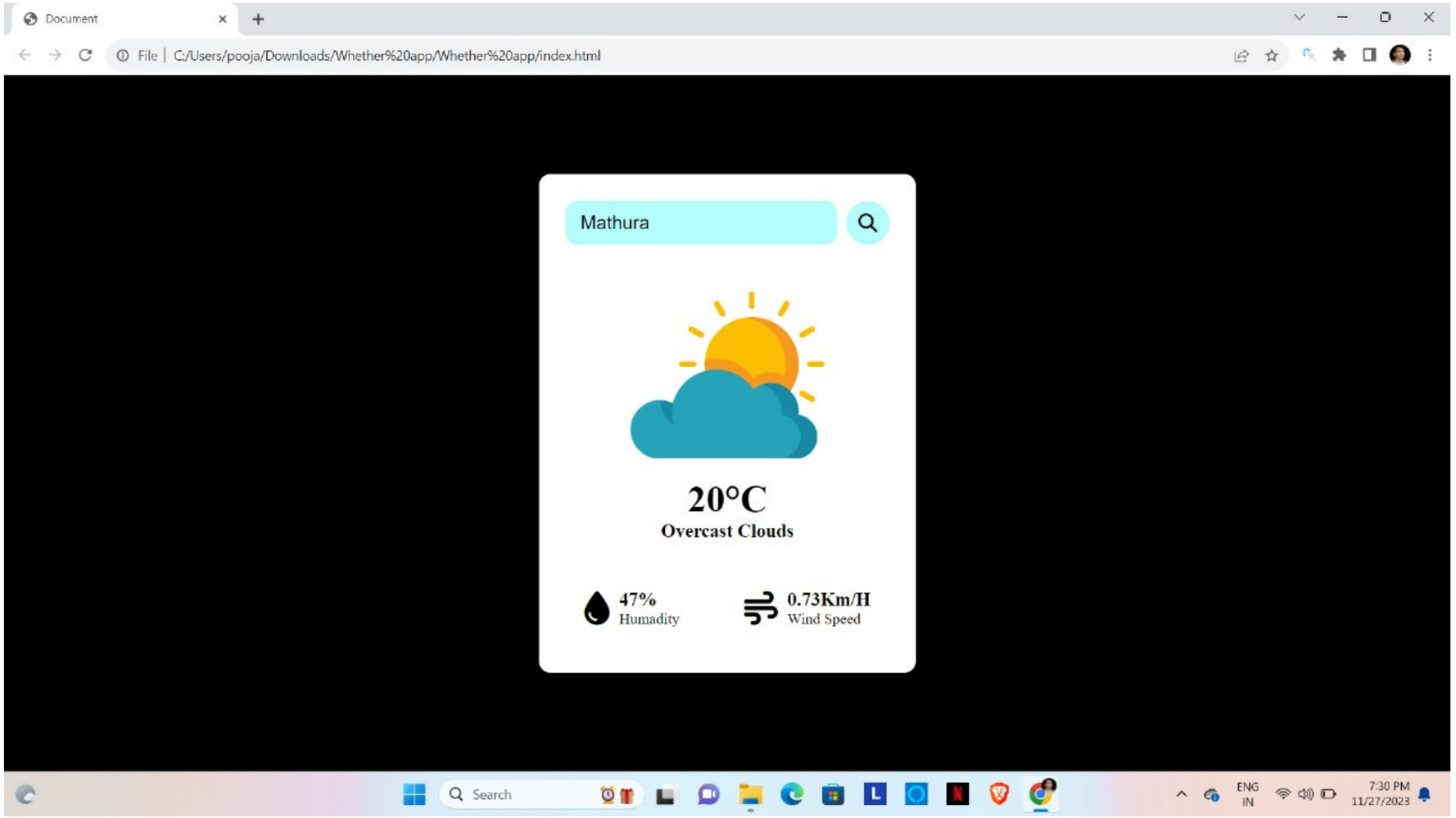
OUTPUT 3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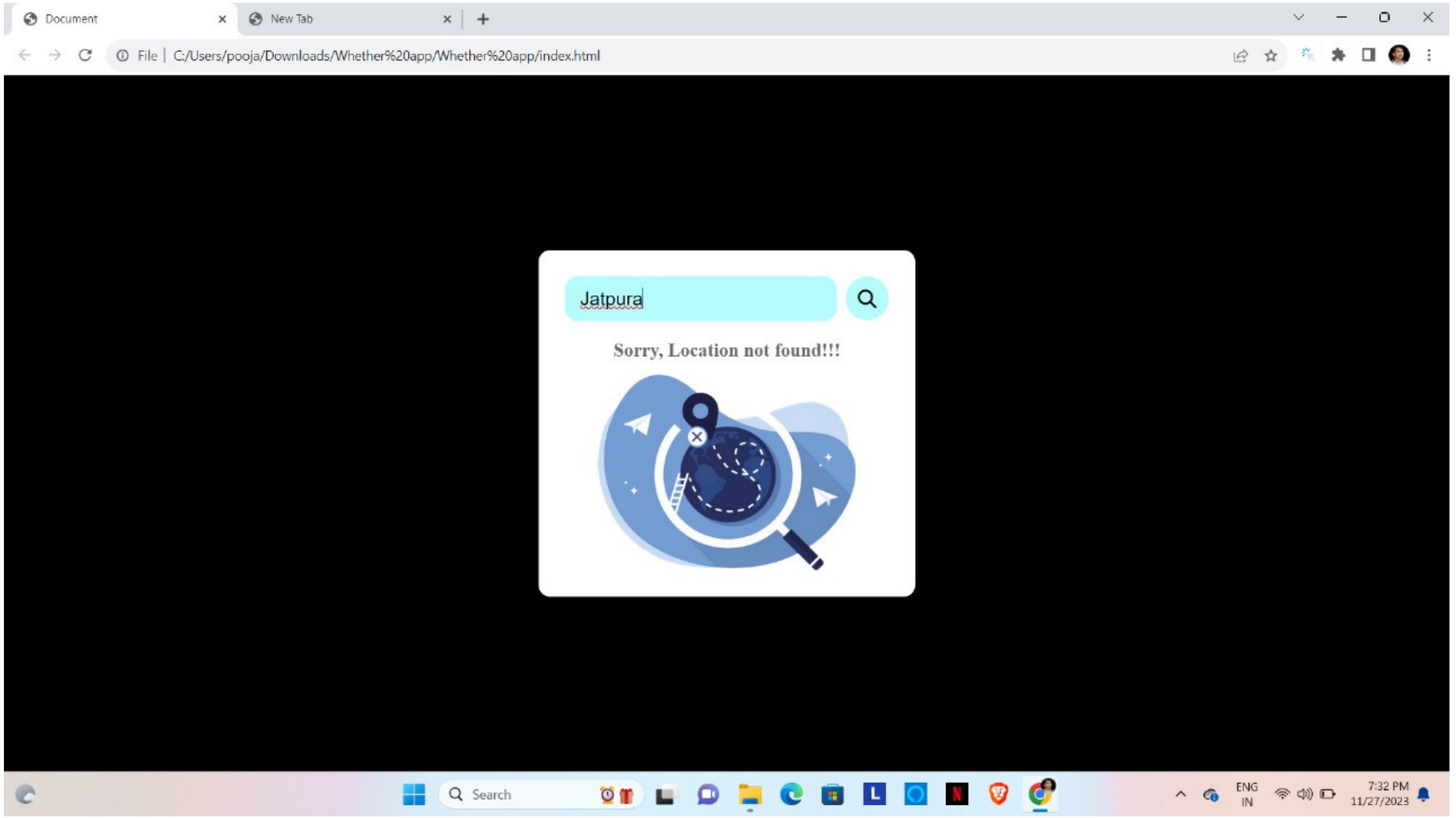
OUTPUT 4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THANK YOU