Township Planning System

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Tool(s) Used: VS Code, Node.js, Chrome DevTools

1. Introduction

This report documents the implementation details, objectives, and results of the developed project. It includes code-related information and step-by-step visual evidence through screenshots.

2. Objective

The primary goal of this project was to Predict if the area is perfect for township or not.
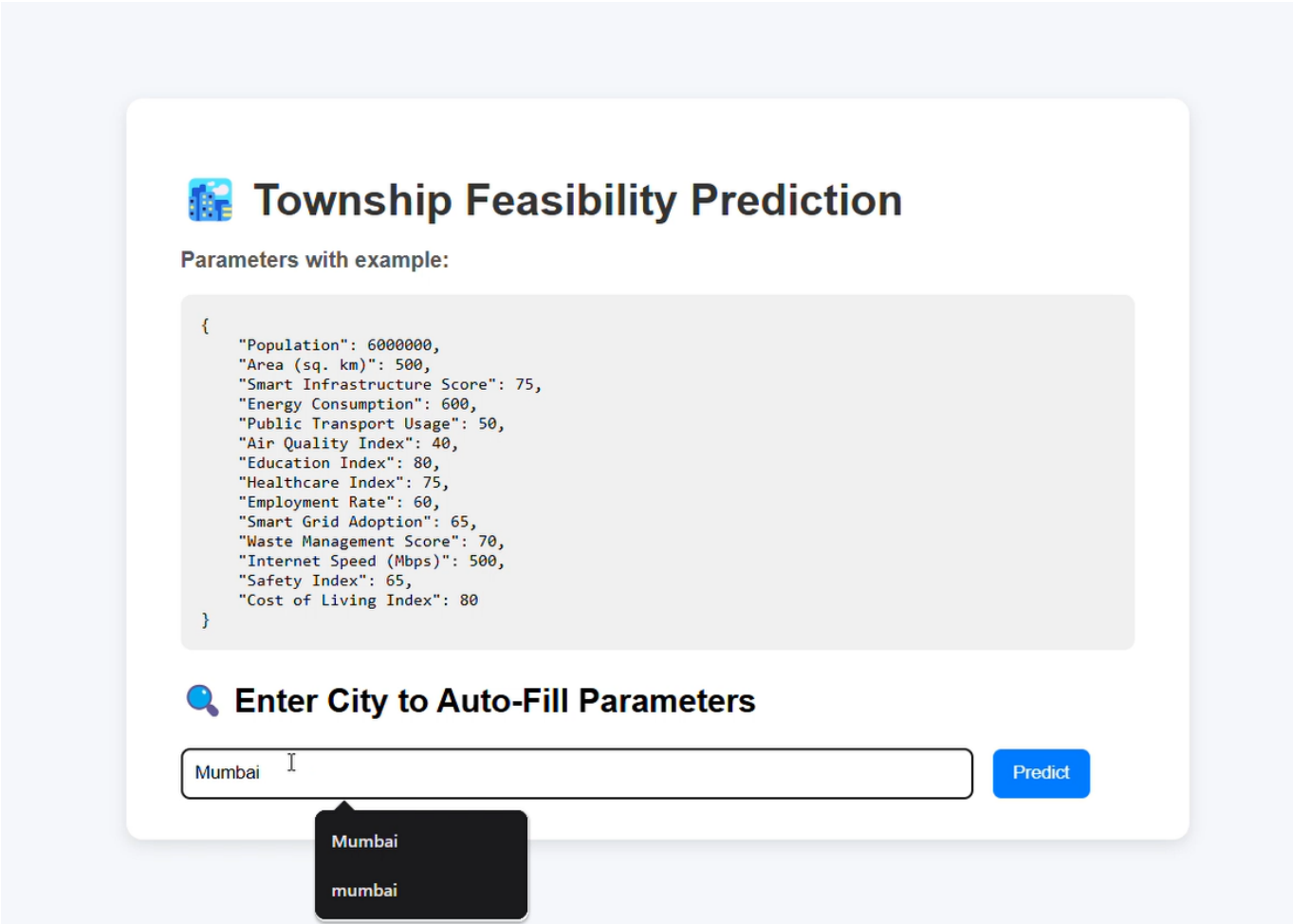
3. Implementation Details

The development was carried out using the following stack:

- Frontend: HTML, CSS, JavaScript

- Backend: Node.js

- Database: PostgreSQL

- Version Control: Git and GitHub

4. Visual Walkthrough

Screenshot 1

This screenshot shows a section of the Township Planning System project interface.

🏙️ Township Feasibility Prediction

Parameters with example:

```
{
    "Population": 6000000,
    "Area (sq. km)": 500,
    "Smart Infrastructure Score": 75,
    "Energy Consumption": 600,
    "Public Transport Usage": 50,
    "Air Quality Index": 40,
    "Education Index": 80,
    "Healthcare Index": 75,
    "Employment Rate": 60,
    "Smart Grid Adoption": 65,
    "Waste Management Score": 70,
    "Internet Speed (Mbps)": 500,
    "Safety Index": 65,
    "Cost of Living Index": 80
}
```

🔍 Enter City to Auto-Fill Parameters

Mumbai

Mumbai

mumbai

Predict

5. Conclusion

This project was successfully implemented as per the defined requirements. Screenshots serve as evidence of working features and UI/UX design. Future work may involve enhancements such as security improvements or feature additions.