

Course: WEB/MOBILE PROGRAMMING

Semester: Spring 2020

PROJECT REPORT

ON

DATA VISUALIZATION ON LANDMARK ISSUES

Presented by:

Navya Gonuguntla (Class ID: 9)

Madhuri Sarda (Class ID: 22)

JayaPrakash Ravella (Class ID:20)

**INTRODUCTION**

In this project, We are planning to identify various issues associated with properties (which includes buildings, apartments etc) across various states all across the United States. As a team, we are planning to identify the various types of landmark problems associated with each building and then perform data analysis and visualizations to draw out interesting analytics from the collected data. We are planning to make API calls to fetch the data and perform data visualizations on it.

**MOTIVATION**

Apart from the interest that we got in knowing about the property violations across different cities, this also has a personal experience of being daunted by our landlord intrigued us to know more about landmark violations and devise this idea for the project.

* Each city maintains its own codes and ordinances which needs to be followed by its citizens.
* It would be easier and fun way to approach crime rates, safety levels of a neighborhood by analyzing the landmark violations.
* These property violations as well as crimes can be prevented by creating awareness among people or by imposing strict laws that might prevent these violations from occurring.

**OBJECTIVE**

* Our main objective is to analyze the open source existing data provided by various cities all over the United States and use them in such a way that we get insights for the reasons or factors that are causing these landmark problems and measures to get rid of them.
* Comparison of landmark violations data across various cities provides us several insights.
* We are planning to consider three cities (KC, NYC and Chicago) for this project to draw meaningful comparisons and analysis.

**FEATURES**

This project is going to be a web application that can show information regarding landmark violations in a beautiful form of various graphs.

**TOOLS AND TECHNOLOGIES**

* JavaScript, Angular JS
* Microsoft Visual Studio Code IDE
* Google Charts
* HTML, CSS
* GitHub

**REFERENCES**

* <https://www.supermonitoring.com/blog/10-web-apps-for-data-visualization/>
* <https://www.intercom.com/blog/data-visualisation-in-web-apps/>
* <https://www.toptal.com/designers/data-visualization/data-visualization-tools>
* <https://www.wdrb.com/news/thousands-of-garbage-cans-stolen-off-louisville-streets-becoming-an/article_ddac64f8-83e5-11e9-af9e-635e61582153.html>