

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**

It is particularly important to consider landmark violations. We particularly as a team got immense interest in analyzing landmark violations and presenting interesting data visualizations. Apart from this, We are also driven by a personal motivation of being daunted by out landlord for not following landmark rules and regulations properly. This drove us in learning more about landmark properties and use the data available on the internet and make the most interesting and useful analytics out of it.

* Every city has its own rules and regulations that the citizens of the state needs to abide by.
* Fetching the data from the internet about landmark violations and making useful analysis would actually help us to understand information regarding crime rate, hygiene conditions and many other factors of a neighborhood

**OBJECTIVE**

* Our main objective is to analyze and extract the open source data regarding landmark and property violations. Later, We are planning to use this data and identify the best and useful analytics we can get out from the data and then perform data visualizations.
* We plan to segregate these data analysis and visualizations based on cities all across the country (United States) and then display them on an aesthetically pleasing web application.
* We plan on enhancing our skills using front-end technologies as well as getting a full-stack web application development experience.

**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>