

Project Scope Statement

By Hit Wonders

Project Title: Housing Code Violation Search System(Web App)

Project Overview

The client of the project is the “iINNOVATION TEAM” in Syracuse. The board members are Chief Data Officer, Sam Edelstein and Chief Innovation Officer, Adria Finch. The agency is the local government with jurisdiction over the City of Syracuse, serving the more than 145,000 residents as well as those who work and visit. Team Hit Wonders, including two students, Daniel Zezheng Jiang and Zequn Che from the iSchool at Syracuse University, is responsible for the project. Hit Wonders aims to increase the web accessibility and functionality for the client.

Project Objectives

The objective of this web system is to increase the accessibility of the website. The usability, the design, the functions will be improved. After the project, the web application should be more user-friendly, reliable to the business.

Firstly, the web app needs to update the internal database via application programming interface(API). The web app will have the latest information from the Syracuse Open Data instead of downloading the whole file repeatedly.

Secondly, the address searching bar needs an auto-fill function. When a user inputs a street name with a number, the search bar should have suggestions of addresses from database to speed the navigation. Like Google, when you input an incomplete address, it will give suggestions of address that near your IP address, or it will return the completed address the search address.

Thirdly, the design of the website could be improved. For instance, the pictures could be replaced with high-resolution photos. In addition, the search bar could be located in the center of the web application interface rather than at the bottom of the page.

Description of the Product

The system helps the public to check the house code violation history by inputting a specific address. The online tool could help renter or house buyer to evaluate the housing value.

Hit Wonders aims to develop the unfinished Web App of housing Syracuse and fix the functions which were not working before. The website and user interface should be more user-friendly. The search bar should have the automatic association function which could help the user to input their address quickly. The search function should fix the wrong spelling so that the search engine can work well. The data will come from the API which makes the data update automatically and does not need to be downloaded.

Project Boundaries

Hit Wonders team will continue to improve the application based on the previous established work. It means that Hit Wonders will use the same development tool and programming language. With the mindset of continuity, the potential changes will be documented in external file format or commented in internal codes.

The Web App development will make the website works in basic functions with clean interfaces.

Project Requirements

The requirements for this project include:

- Web interface model — Decided as “RentLogic”:
 - <https://rentlogic.com>
- Raw data from API Connection/URL Address
 - <http://data.syr.gov.net/data-sets/code-violations/geoservice>
 - [Data.syr.gov.net](http://data.syr.gov.net)
- Programming Software — VS Code
- Graphic Design Software — Photoshop

Key Project Deliverable

- Scope Statement
- Change Plan Draft
 - API Connection between Syracuse Open Data and the project

- Search Bar Auto-Fill Feature
- Web Design/Interface Improvement
- Web Update Weekly, Face to Face By-Weekly

Key Schedule Milestones

Project Start	February 6th, 2019
Meeting with Sam and Adria	February 12th, 2019
Begin Scope for City of Syracuse Open Data	February 12th, 2017
Scope Statement Due Date	Feb 25th, 2017
Change Plan Due Date	March 1st, 2017
Search Bar UI Redesign and API Connections Codes Draft Due Date	March 15th, 2017
API Functionality Enabled Due Date	March 22nd, 2017
Search Bar with Auto-Fill Implementation Due Date	March 29th, 2017
Web Redesign Finalization Due Date	April 15th, 2017
Website Submit	April 22nd, 2018
Project End	April 25th, 2018

Major Project Assumptions

- All staff has an understanding of information technology
- All deliverable defined in the scope is done within time and technology constraints
- Constant communication between staff members and iNOVATION TEAM
 - It is expected that Hit Wonders team will actively communicate when there is obstacles during the process of the project.

Defined Risks

There is no major risks of data breaches as the housing violation history information is supposed to be public.