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Introduction

We envision a website, Cincy Crime Stoppers, which allows users to view crime statistics and trends of any region in the city.

Positioning

Business Opportunity

Currently there is no available local Cincinnati based system to be able to get detailed crime data directly from the source of the Cincinnati Police Department that is organized in a way that is easy to understand and visualize. There is a marketplace within users who already live in the city and are curious about their own neighborhoods crime activity. There is also a market with non-residents of Cincinnati that may be interested in moving into the city. They can leverage this system to evaluate crime activity in potential neighborhoods they would live in.

Problem Statement

Residents of Cincinnati currently have no way to be able to easily view crime statistics in their own neighborhood as well as surrounding neighborhoods. Non-Residents interested in moving into the city also have no way to scout potential neighborhoods where they might purchase property or decide to live. This potentially causes a loss in home sales due to bad word of mouth or false perceptions of neighborhoods.

Product Position Statement

Cincy Crime Stoppers is designed with residents and non-residents of Cincinnati in mind. The website is also able to be used by Cincinnati Police department. The website is robust enough to formulate data trends based upon real data from the Cincinnati Police Department. It can also show users a breakdown of crime by neighborhood or the type of crime committed. There is currently no website on the market that has this type of capability for the City of Cincinnati.

Alternatives and Competition

Currently there is a national competitor called RAIDSONLINE.com. This system is the only known competitor at this time.

Stakeholder Descriptions

Stakeholder Summary

Name	Represents	Role
Mark Frye	Project Team	Specification Requirements, Development
Alex Krebiehl	Project Team	Specification Requirements, Development
Khalid Alsuwaiyel	Project Team	Specification Requirements, Development
James Walden	Business contact	Requirements

User Summary

Name	Description	Responsibilities
Administrator	System Admin	Manage user accounts, manage data imports
Authenticated user	Registered user	Search crime data, save preferences, save custom searches, rate regions
Anonymous user	Unregistered user	Search crime data

Key High-Level Goals and Problems of the Stakeholders

High Level Goal	Priority	Problems and Concerns	Current Solutions
Quick way to enter new crime data	High	Error handling could potentially lead to data cleanup requirements	None
Easy way to sort crime data by neighborhood	High	Reduced speed as more data exists	None
Easy way to sort crime by incident type	High	Reduced speed as more data exists	None

User Level Goals

The users need a system to fulfill these goals:
- *Authenticated user*: search crime by region, search crime by incident type, search crime based on time period, save searches to their user profile, rate a region
- *Anonymous user:* search crime by neighborhood, search crime by incident type, search crime based on time period
- *Administrator:* import new crime data into site; search crime by neighborhood, search crime by incident type, manage user accounts, manage data tables, manage security

Product Overview

Product Perspective

Cincy Crime Stoppers will be a web based application that is available internally to law enforcement officials as well as users in the general public. This website will allow for users to get crime data to make possible residential decisions and monitor their own community. The site will also allow for law enforcement to make staffing and patrol decisions based upon data trends within the city.

Summary of Benefits

Supporting Features	Stakeholder Benefit
Searchable crime data by region.	Users have ability to search for data categorized by region
Searchable crime data by incident type	Users have ability to search for data categorized by incident type
Searchable crime data by time period	Users have ability to search for data categorized by tie period
Rate a region	This allows authenticated users to rate a region based upon personal experience
Saved custom searches	Authenticated users can save custom searches that they perform frequently
Save default region	Authenticated users can select their default region to display every time they log into the website.
Ability to generate graphed data of crime statistics by region or incident.	Gives end user ability to search for specific data/trends. Gives law enforcement officials detailed data trends to make decisions around staffing.
Ability for law enforcement to import new crime data	Keeps content and data within website accurate and up to date

Assumptions and Dependencies
- Data used will be from OpenCincyData.com
- Users will have an option to register before using system

Summary of System Features
- crime tracking by neighborhood
- crime tracking by incident type
- crime tracking by time period
- rate a region
- data trends per neighborhood
- data trends per incident type
- SQL database used for quick accurate searching