

Design Diagrams

Ted Cordonnier

M13289915

Team LOL

Part 1: User Stories

As a concerned citizen, I want to view a map of recent crime incidents in my neighborhood, so that I can stay informed about safety in my area.

As a resident of Cincinnati or someone looking to move here, I want to understand the areas of this city that have less occurrences of crime, so that I can make an informed decision on where to move.

As a politician or in police leadership, I want to understand where crime usually takes place, so that I can better make laws and distribute resources accordingly to the areas that need it most.

As a researcher, I want to extract data on specific crime types over a period of time, so that I can conduct in-depth analysis and contribute to academic studies on crime prevention.

Part 2: Design Diagrams

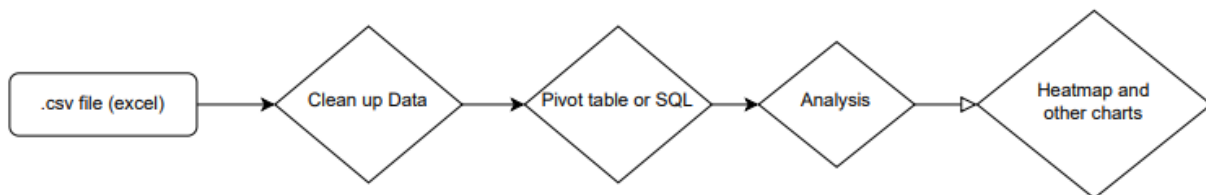
Design Level 1:

This diagram depicts in a very simple way the goal of the project and the steps that will be taken. Data will be provided by sources, then I will analyze that data, to ultimately get a nice looking heatmap of Cincinnati Crime data. This is what will be done at the bare minimum.



Design Level 2:

This diagram adds more technical elements to what I am doing with my project. A .csv file from the Cincinnati Police Department will be used. This data will then be cleaned up by removing all unnecessary columns, null values, removing data that is too old, etc. Then this data will be put into a pivot table or SQL database table. Then analysis will be performed on this data in a variety of ways so that meaningful conclusions can be drawn. Finally, heatmaps and charts will be made of the most important insights that have been gathered.



Design Level 3:

This is the full explanation of what I am planning to do. This time the explanations are built into the image.

