

# Use Case Briefs

**Visualize the Map** – This use case will be performed by the user. It is when the user looks at the map of the crime data and food deserts, and will be visible on the home screen. They will be able to change the view of the map through various methods.

**Visualize the Charts** – This use case will be performed by the user. It is when the user looks at the charts. There will be a variety of charts, both in style and data. These charts will provide additional data to the user. These will be on the Charts page.

**Visualize the Tables** – This use case will be performed by the user. In this use case, the user will look at various tables. Much like the charts, there will be a variety of table styles and a variety of extra data provided by the tables. These will be on the Tables page.

**Go to Tables Page** – This use case will be performed by the user. This will be a button present on the navigation bar, present on every page. When clicked, if the user is not currently on the Tables page, it will take the user to the Tables page. If the user is on the Tables page, it will do nothing.

**Go to Home Page** – This use case will be performed by the user. It will be a button present on the navigation bar on every page. If the user is not currently on the Home page, it will take the user to the Home page when clicked. If the user is on the home page, then it will do nothing when clicked.

**Go to Chart Page** – This use case will be performed by the user. This button, present in the navigation menu at the top of every page, will take the user to the Chart page, if they aren't already there. If they are currently on the Chart page, it will do nothing.

**Go to Top of Page** – This use case will be performed by the user. It is a button located on the navigation bar present on every page. When this button is clicked, it will take the user to the top of the page they are currently on. If they are already at the top of the page, it will do nothing.

**Filter Crime Data** – This use case will be performed by the user. It will provide a variety of fields for the user to fill out with different ways to filter the data provided on the map on the home page. It will include a search button that the user clicks on to actually filter the data. After clicking this button, that data will be filtered by the entered parameters, and the results will be displayed. If no data fits all applied filters, a message will be displayed saying such.

**Perform Maintenance** – This use case will be performed by site administrators. They will be able to perform necessary site maintenance as well as update data, maps, charts, etc.

**Drag Around Map** – This use case will be performed by the user and is an extension of the visualize map use case. While looking at the map, the user will be able to click and drag to move around the map, changing the section of the map that is shown.

**Zoom In/Out of Map** – This use case will be performed by the user and is an extension of the visualize map use case. When viewing the map, the user will be able to zoom in and out of the map. This will change what section and how detailed the view of the map is.

**Show Heat Map** – This use case will be performed by the user and is an extension of the visualize map use case. When viewing the map on the homepage, the user will be able to toggle the heat map on and off. This will change if the map displayed is the regular map, or the heat map.

**Scroll the Page Up/Down** – This use case is performed by the user, and is an extension of the visualize map, charts, and tables use cases. When viewing one of these, the user will be able to scroll up and down the page. This will allow the user to view any data that does not fit on the screen.

**Search** – This use case is performed by the user, and is included in the filter data use case. This is a button that the user will press after they have entered their desired filters. When this button is pressed, the desired filters will be applied to the data and the results will be displayed.

**Input Time Range** – This use case is performed by the user and is an extension of the filter data use case. This will allow the user to enter a time range, a start date and an end date, that they wish to filter the data by. The data will be filtered from the start data to the end data. If no start date is entered, it will filter from the start of the known data to the end data. Similarly, if no end data is entered, it will be filtered from the start data to the end of the known data.

**Input address or Area Code** – This use case will be performed by the user and extends the filter data use case. This will filter data by location, and the user can either enter a complete address or a zip code. If they enter a complete address it will filter the data by crimes that occurred at that particular address. If they enter a zip code then it will filter the data by crimes that occurred within that zip code.

**Input Crime Description** – This use case will be performed by the user and extends the filter data use case. The user will be able to enter a written description of the crime they wish to search for. The data will then be filtered by occurrences of that description in the data.

Input Weapon Used – This use case will be performed by the user and extends the filter data use case. The user will be able to input a type of weapon. The data will then be filtered by occurrences of this weapon in the crime data.

Reset the filter – This use case will be performed by the user and extends the filter data use case. This will be a button labeled reset filters. When clicked, this button will remove all filters applied to that data. If no filters are currently applied to the data, then a message will appear saying such.