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4th Year Data Science Functional Specification

Investigating Baltimore Arrest Rates

Institute of Technology, Carlow

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# Objectives

For the most part the application will be for the use of the Baltimore Police Department. The application will provide the police department with predictions of future crime via a secure login. These predictions will include where crime will happen, when it will happen, who will commit the crime and what they will most likely commit. Secondarily we will provide a service to the Baltimore public allowing them to see via a heat map which areas that they should avoid due to high levels of crime. This service will also provide statistics on the crime and arrests committed throughout Baltimore. These statistics will be available to the public so that they can be kept up to date on the progress of the police departments fight against crime, however any statistics that could be considered predictions of crime will only be available for the police department for security reasons as mentioned further down in potential risks/issues.

# Architecture

Text

# Functionality

Text

## Functionality Description

Text

## User Interface Description

Text

## External Interfaces

Text

# Potential risks / issues

Text

# Gantt chart / timeline

Text

# Reference/research documents

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