Assignment 01: Report

The purpose of this assignment was to design and implement an email system event modeler and intrusion detection system.

# Initial Input

The program accepts either 3 or 4 arguments when attempting to run it from the command line. An example of the command is:

IDS <events file> <stats file> <days> <(optional) username>

The events file and stats file are self-explanatory. **Days** is used to generate the appropriate log file, and the **username** is the name of the person the statistics is based on.

## Storage

We have created Stat, Event and Log classes to help facilitate the storage of the information. The Event class is the base class for the DiscreteEvent and ContinuousEvent classes. After reading the information from the events and stats files, we will dynamically create classes and store the events into a vector.

# Activity Engine and Logs