**Python Software Development Guide – Bacterial Bomb**

**Introduction**

The python software developed to model the Bacterial Bomb scenario outlined by University of Leeds has four basic components, read in the data, process the data, display the output, and write the output to file. This guide provides detail of the development process based around the outlined model components.

* A brief description of what the software can achieve from the end user perspective, based on the scenario.
* The theory behind the design including good practices and Unified Modelling Language (UML) diagram.
* The software development process in chronological order, a diary-like format.
* Any issues encountered in chronological order, and how they were rectified.

**Intention of the Software**

**Thought Process of Software Design**

**Software Development Process**

**Issues During Development**