# **Applied Software Development Principles**

## Project Overview / Process

Our project will be a timetable scheduling system that allows for administrators to create and edit schedules to be uploaded online for users to access and for users to be notified whenever changes are made so that they aware of sudden changes to the schedule.

The software development process that we have chosen for our project is the Waterfall Model.

**Advantages of Waterfall Model**

We have chosen this model as the requirements are well understood and unlikely to change radically during development, problems in the projects are more likely to be sorted out early on and the model is rigid; making it easier to handle.

**VS Iterative Development**

Iterative development did not suit our project because there is a risk that with this process, a significant amount of resources could be wasted in making changes to initial design whereas the waterfall model asks for specific deliverables at each stage of process, making sure that each part of the project is fully complete.

**VS Incremental Development**

Incremental Development did not suit our project because it is not as cost-efficient as the waterfall model due to frequent software changes that would be avoided in the waterfall model and the process is not visible, making it harder to keep track of progress of the project.