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**Iteration Plan**

**Introduction**

Iterations will be spread over two weekly intervals. The first week (phase one) will be about the requirements gathering and design, with the second week (phases two and three) dealing with the implementation and testing of the system. Phase four will be spread throughout the iteration, with a dedicated day for it at the end. The schedule allows for two iterations to be worked on concurrently. This gives the flexibility of implementing one iteration while planning and designing the following iteration. It is important to note however, that not all of the tasks will always fit into this routine. Such as, the iteration involves testing programs on a live cloud platform, then there might not be any design work to do at all.

**Phase One**

The plan is to begin to gather requirements for this iteration including producing the design documentation. At the end of this phase, a clear documented design of the project work will be produced. As part of this process, a set of acceptance tests will be produced. These will show the deliverables for the new iteration.

**Phase Two**

Phase two will primary be used to turn the designs and requirements previously developed into code

Testing will be undertaken separately to this phase. During this phase, all relevant coding guidelines will be adhered to.

**Phase Three**

Phase threes involves thoroughly testing the developed functionality. This will range from unit testing of simple components, to wider integration testing of the whole system. These tests will be documented by producing written test plans, and use of Spec2 test classes where appropriate.

**Phase four**

Phase four will be a review and update of project documentation and relevant dissertation chapters.