

Timetable and Milestones

Proposal submission deadline: 22/10/2010

Weeks 1 and 2: 23/10/2010 to 05/11/2010

Research and design work. Experimentation with Android's APIs and building of simple test applications.

Milestones: Structural design complete, protocol design complete, basic communication via audio possible (generation and recognition of a sound).

Weeks 3 and 4: 06/11/2010 to 19/11/2010

Implementation of high-level structure of project, with appropriate message passing structures and most methods and classes defined abstractly.

Weeks 5 and 6: 20/11/2010 to 03/12/2010

Implementation of audio generation including error control and encoding of data.

Weeks 7 and 8: 04/12/2010 to 17/12/2010

Implementation of audio recognition including error control and encoding of data.

Milestone: Data can be sent and received via audio.

Weeks 9 and 10: 18/12/2010 to 31/12/2010

Implementation of enquiry response engine - this runs in the background all of the time gathering location data and waking up the audio recognition component occasionally to see if there are any enquiries to respond to.

Weeks 11 and 12: 01/01/2011 to 14/01/2011

Implementation of enquiry engine - this abstracts the request for, and manages the responses containing, location and contact data, away from the map generation engine.

Milestone: Location and contact data can be gathered with relative ease over the audio network.

Week 13 and 14: 15/01/2011 to 28/01/2011

Implementation of map generation engine, tidy testing UI.

Milestone: System is presentable, with visual feedback from underlying systems.

Weeks 15 and 16: 29/01/2011 to 11/02/2011

Testing of system so far. Overflow. Fix any bugs. Writing of progress report.

Weeks 17 and 18: 12/02/2011 to 25/02/2011

Implementation of UI and message construction and sending capabilities.

Milestone: Nearby phones can be detected and messages sent to them.

Week 19: 26/02/2011 to 04/03/2011

Overflow. Attempt an extension if running on time or ahead of schedule.

Weeks 20 and 21: 05/03/2011 to 18/03/2011

Testing and acquisition of evaluation data.

Milestone: All practical work complete.

Weeks 22 to 26: 19/03/2011 to 22/04/2011

Write dissertation and analyse evaluation data.

Weeks 27 and 28: 23/04/2011 to 06/05/2011

Dissertation submitted to supervisor and/or director of studies for proof reading.

Milestone: Dissertation complete

Weeks 29 and 30: 07/05/2011 to 20/05/2011

Dissertation complete and ready for submission on or before the 20th. Proof reading by anyone available for tone, style and non-technical mistakes. Print and bind dissertation.