

Estimated Time Allocation

Combined efforts in hours, with descriptions

Combined effort in hours, with description of sections and names against each section. It should be noted that this is a plan and there are many circumstances that could affect how closely we follow this. There will, of course, be a review at the end of the project.

Revision History

23/10/00	Initial creation	Committed by:	pjm2	Verified by:	tdb1
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Introduction

This document lists our estimations of combined efforts in hours, with description of sections and names against each section.

It should be noted that this is a plan, and there are many circumstances that could affect how closely we follow this. There will, of course, be a review at the end of the project.

Management and Administration tasks (200 hours)

Webpages (10 hours)

Creating and maintaining the website, as well as ensuring that everyone adheres to the same design – pjm2 (others contribute 50%)

CVS (10 hours)

Setting up, managing and maintaining the CVS repository and related facilities. Also assisting in the use of CVS – tdb1 (other contribute 50%)

Meetings/minutes/meetings with iau (180 hours)

Attending regular meetings, both as a group and with iau. Also taking of minutes in our group meetings and planning each meeting in advance – all members.

Requirements, analysis, specification (85 hours)

Find out what the requirements are (5 hours)

Find out exactly what the system needs to do, including meeting with jc. Document these requirements in a requirements list – all members.

Look at other systems (30 hours)

Research into similar products with the intention of seeing how our proposed idea compares and maybe get ideas for new features in the system – ajm4 & ab11.

Analysing out own ideas (40 hours)

Looking at the merits/weaknesses of our ideas and helping to improve them. Finding faults in our ideas will help to improve the final design – all members.

Produce specification (10 hours)

Generating a relatively detailed specification of the overall system, from which UML designs can be made – tdb1 & pjm2.

Design (200 hours)

UML (25 hours)

Producing UML designs for the various parts of the system – ajm4.

Interface design (20 hours)

Specifying the interfaces for communication between the various parts of the system – pjm2 & ab11.

Protocol design (30 hours)

Specifying the protocol in detail for host to server communications and client to server communications – pj2 & ab11.

Server design (30 hours)

Designing the server and how the components plug together and interact – tdb1 & ajm4.

GUI/Client design (20 hours)

Designing the GUI/Client side of the system – pj2 & ab11.

Host design (10 hours)

Designing the host application, which will require more work due to the C/C++ implementation language – ajm4 & tdb1.

Web Interface Design (35 hours)

Designing the web front-end to the database, providing graphs and access to logs – pj2.

DB Infrastructure (20 hours)

Setting up the database, tables and deciding how they should be arranged. Database design principles should be put into practice – pj2.

Implementation (300 hours)

Our implementation sections will be detailed in a separate document in some detail.

QA, QC, Testing (195 hours)

Document specifications (5 hours)

Producing a proper specification that all of our documents should follow – pj2.

Coding specifications and adherence (10 hours)

Producing a coding specification and ensure all code adheres to it – all members.

Testing of each of the modules (180 hours)

Testing each part of the system, preferably with good testing rigs – all members.

Documentation (150 hours)

User documents (40 hours)

Documentation for the user – ajm4 & tdb1.

Maintenance documents (60 hours)

Documentation for the maintainer and possible future developers – all members.

Internal documents (50 hours)

Internal documentation made during the course of the project – all members.