CIT Enterprise Project

# Final Report

The final report will be assessed on the detail, correctness and thoroughness of its content and also on how it is organized and presented. The actual audience of the report will be the four academic assessors who will be marking the project and an external examiner. However you should imagine that a further intended audience will be a team of developers who would be extending your system in a future “phase 2” of development. This means that there should be no grey areas left in the design and implementation of the system which would hold up future development. All sections of the system should be clearly documented and all decisions and assumptions should be fully justified. The document should include (but is not limited to) the following sections:

## Project management

This section should describe and justify how the project has been organized and managed. Any artifacts of the project management process that are produced during the project should be provided and explained (e.g. any spreadsheets, Gantt charts etc. should be provided in appendices for inspection). This should provide a form of audit trail showing who was active and responsible for each part of the work during each phase.

## Requirements Specification and Analysis

This will involve a detailed analysis of the requirements provided by the customer, including:

* A formal description of each element of the user requirements in an appropriate form along with any acceptance tests which will be used to verify them.
* An analysis of the requirements which will show their interdependencies, relative cost to implement etc.
* A declaration of any assumptions which are being made.

## User Interface Design

This should provide a detailed description and justification of the design of the User Interface in the final system. The UI should be carefully designed and modeled around the specific requirements of each type of user of the system.

## Database Design

This should provide a detailed description and justification of a suitable Database design.

## High Level Design

* A site map for the suggested system outlining the connections between the pages/views of the system.
* Outline page designs/story boards
* Initial GUI designs for main screens – sketched/mockups of screen layouts, format notes for suggested “look and feel” aspects, suggested controls for important elements, a sound justification of the choices made in all of these areas is important and should be based on good principles of HCI.

## Low level design

This section should describe and justify the structural organization of the website. It will explain how the various pages are organized within the site and if appropriate how code has been organized into class libraries etc. to improve clarity /code reuse/testing. The implementation of the sites “look and feel” should also be explained here.

## Coding standards and conventions

This section should detail and justify any conventions followed by the team during the development.

## Unit/page implementation

Each unit of implementation (e.g. web page or class) should be described in detail in this section. This will explain the purpose of the unit within the web site and should describe the important details of how it is implemented. If any alternative implementations were considered then these should also be discussed. The people responsible for the development of each unit should be named in this section.

## Quality Assurance

This section should describe and justify the quality assurance processes employed during the development. This might include details of the extent of the unit testing carried out, acceptance testing, end user testing etc. and should explain at what stage each form of testing/evaluation was carried out. If any code corrections or site updates were carried out as a result of the testing processes or if any development procedures were adopted or changed in order to avoid future repetitions of the same errors occurring then these should all be documented. All details of the specific tests carried out should be documented in the appendices for inspection.

All **known** bugs/issues in the system should be identified and detailed. Known bugs are much more acceptable than **unknown** bugs which are later identified by the assessors.

## Critical evaluation of project and Conclusions

This final section should provide a thorough evaluation of the project which has been carried out. It should highlight what the team feels have been the most and least successful aspects of the project as a whole. It should include all phases of the project since the start of the module not just the implementation phase. It should focus purely upon the activities of the team and the documentation/system they have produced (as opposed to being an evaluation of the module) and the team should identify any lessons learned during the project.

A good evaluation will be one which shows that there are few, if any, blind spots in the teams’ assessment of the project and has identified and explained the strongest and weakest elements of the work carried out.