

#### *6.7.6 Iteration 8 – Internally Tested System*

- A working system that has been tested by the project team, but not by the lecturers, other teams or the user.
- Note: the system must be developed in such a way that every team member develops an equal part of the system.
- Sign-off by the client.
- Validate the developed system against the system requirements and subsequent design.
- Project and meeting planning for the next iteration

#### *6.7.7 Iteration 9a – Finalised Design Specification Documentation*

- This iteration should contain all the documentation for the system collated in one document. The document must comply with the specifications of the document mark sheet. The document must be professionally presented and include:
  - The final list of and description of the requirements (also to be submitted as a separate document for marking)
  - The finalised technical specification of the system in terms of hardware and software used
  - Final complexity matrix for your system
  - The finalised use case diagram
  - The final technical ERD
  - The final class diagram
  - For each use case:
    - The final logical use case narratives
    - The final technical narrative
    - The final technical primitive level diagram
    - The final activity diagrams
    - The final sequence diagrams produced for the specific use cases
    - The final state diagram for the specific complex classes
  - The hardware and software requirements for your system
  - The network/ web layout specifications.

#### *6.7.8 Iteration 9b – Project Repository (web page)*

- A complete static web page that contains all the information of the team, their client and each iteration.
- This web page is the display window of the system, and therefore the team must ensure that it looks professional.
- The final system documentation needs to be uploaded to the website.

#### *6.7.9 Iteration 10a – Final Tested System*

- The final developed application should be hosted on a local host.
- Note: the system must be developed in such a way that every team member develops an equal part of the system.
- A formal demonstration must be prepared during which every team member has to participate in an equal manner. This presentation must not be longer than 10 minutes.
- This demonstration will be evaluated by a panel of Informatics lecturers and form the examination of the INF 370 module.
- Any aspect of the system can be examined during this demonstration.
- During the remaining time, the lecturers will test the system, ask questions, clarify issues, and ensure the functional and technical competence of each team member.

#### *6.7.10 Iteration 10b – User Documentation*

- Develop a change request procedure (using the change request form) to describe the process to be followed by the users of the system if they experience any problems with the system or if they want to request any enhancements or changes to the system.
- Design a change request form (to be filled in by the user) for the change request procedure.
- Design a change report (to be filled in by the system developer) for the change request procedure.
- Create a user manual (both online and paper-based) describing in detail how the system will work (assume that a person who is unfamiliar with the system will have to use the manual); what the screens and reports will look like; what all error messages mean; etc.
- Create a complete training manual (to be used in conjunction with the user manual) to train the new users of the system. This manual must include, among other things, examples and exercises.
- Design a brochure describing the project and system.
- Sign-off by the client

#### *6.7.11 Iteration 10c – System Video*