

Project Plan

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1. Introduction

This document will provide a definition of the overall project schedule and outline of some elements of the project organization and deployment. Documenting when project milestones and objectives should occur based on the iterations throughout the development lifecycle of the project.

2. Project organization

A project team charter detailing team members, their roles and skills, etc can be [found on the project git repository \(https://github.com/ITC303-Violet/ITC303/\)](https://github.com/ITC303-Violet/ITC303/)

A project proposal detailing more specific details about the project idea and concept can also be [found on the git repository](#)

3. Project practices and measurements

The project will eventually employ continuous integration, running unit tests, etc as soon as a commit is made, ensuring that version continues to pass all tests and allows catching errors early on.

The project will employ iterative development as it has during the inception phase, using iteration assessments at the end of each iteration to assess the team’s progress.

4. Deployment

Initially, the system will be manually compiled from the master branch on a team member’s computer, then uploaded to the production server and updated on tomcat, as well as manually performing any other deployment steps such as database migration etc.

Eventually during development, the system will be compiled automatically on a commit to the master branch with a ‘release’ tag and updated on the production server and deployed (automatically performing any other deployment steps too).

5. Project milestones and objectives

Subject	Phase	Iteration	Dates	Primary objectives (risks and use case scenarios)
ITC303 - Software Development Project 1	Inception Phase	I-1	14/03 - 27/03	Establish critical use cases Perform preliminary non-functional requirement analysis Identify and document candidate architectures Establish version control Expand on the risks of development, deployment and operation of system
		I-2	28/03 - 10/04 (Mid Session Break)	Establish project vision Complete initial requirement model (including use-case model, domain model and NFR list) Implement technical competency demonstrator Create major test plan Establish initial project plan Establish risk list Demonstrate proposed architecture Complete inception phase project status assessment Deliver life cycle objectives milestone (LCOM)
	Elaboration Phase	E-1	11/04 - 24/04	Complete full description for Critical Core Risky Difficult (CCRD) use-case (recommendation generation) Ensure the team is fully capable with architecture and ensure we're able to gather data from web crawlers Implement highest priority architectural elements to support CCRD use-case (Game list scraper/robot) Complete development and testing for highest priority architectural elements
		E-2	25/04 - 08/05	Implement an authentication system to help support CCRD (login, registration, etc) Complete development and testing for user authentication
		E-3	09/05 - 22/05	Establish working recommendation engine (CCRD) Ensure executable architecture is deployed in trial environment Complete internal user acceptance testing for CCRD Use Case in trial environment
		E-4	23/05 - 02/06	Work on mock of final interface Contingency (likely elaborating recommendation engine) Complete elaboration phase project assessment Deliver life cycle architecture milestone (LCAM)
	Mid-year Session Break			

Mid-year Session Break				
ITC309 - Software Development Project 2	Construction Phase	C-1	11/07 - 24/07	Expand upon recommendation engine with more elaborate game categorisation and information gathering Implement 2 nd highest priority use case(s) Complete development and testing for 2 nd highest priority use case(s) Complete internal user acceptance testing for 2 nd highest priority use-case(s)
		C-2	25/07 - 31/07	Implement 2 nd highest priority use case(s) Complete development and testing for 3 rd highest priority use case(s) Complete internal user acceptance testing for 3 rd highest priority use-case(s)
		C-3	01/08 - 14/08	Implement 4 th highest priority use case(s) Complete development and testing for 4 th highest priority use case(s) Complete internal user acceptance testing for 4 th highest priority use-case(s)
		C-4	15/08 - 28/08 (Mid Session Break)	Contingency Complete construction phase project assessment Deliver initial operation capability milestone (IOCM)
	Transition Phase	T-1	29/08 - 11/09	Deploy application in trial environment Complete 1 st round external user acceptance testing Resolve any identified issues
		T-2	12/09 - 25/09	Complete 2 nd round external user acceptance testing Resolve any identified issues
		T-3	26/09 - 10/10	Contingency Complete final project assessment Deliver Product Release Milestone (PRM)

Entries in gray are to be elaborated on as the project develops and more requirements are discovered