Project Plan

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Changes

Change By	Date	Description
Somer	12/04/2017	Initial document completion
Somer	12/06/2017	Updated plan to more accurately portray previous iterations and future plans
Somer	24/07/2017	Change iteration dates to coincide with oversight meetings (second half)
Somer	10/08/2017	Changed dates back after realising the dates are meant to stay the same
Somer	17/09/2017	Added C5 and shortened all transition iterations

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/)

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. For the moment, unit tests are run during compilation thanks to maven.

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

4. Deployment

The system can be deployed by performing a git pull on the production server, starting the docker containers and re-compiling the source with maven. More details on deployment can be found in the architecture notebook

Eventually, the system might be pulled and 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 Proejct 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 **CCRD was reconsidered and changed during this iteration (to "Rate Game") Thus, below this point has been altered since LCOM**
		E-3	09/05 - 22/05	Establish new codebase to begin work toward CCRD Ensure web crawlers function and are feasible Implement highest priority arch. element for (User Authentication)
		E-4	23/05 - 05/06	Finish off primary user interface Finalise work for CCRD implementing games list and rating Design and perform UAT for CCRD Revise and update all documents required for LCAM Complete elaboration phase project assessment ~~Deliver life cycle architecture milestone (LCAM)~~
		E-5	06/06 - 12/06	Finish work unfinished from E-4 Deliver life cycle architecture milestone (LCAM)
Mid-year Session Break				

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ITC309 - Software Development Project 2	Construction Phase	C-1	11/07 - 23/07	Implement *Change User Settings* use case to support recommendation engine Design and perform UAT for *Change User Settings* Begin implementation of recommendation engine (consider possible ways during the break)
		C-2	24/07 - 06/08	Continue implementing recommendation engine Design UATs for recommendation engine reliant use cases (such as view recommendations)
		C-3	07/08 - 20/08	Finalise implementation of recommendation engine Perform UATs for recommendation engine reliant use cases
		C-4	21/08 - 03/09 (Mid Session Break)	Contingency Complete construction phase project assessment Complete any documents that require revisiting/creating for IOCM
		C-5	04/09 - 17/09 (Added during C4)	Complete overflow tasks from C4 Complete beta testing documentation Deliver initial operational capability milestone (IOCM)
	Transition Phase	T-1	18/09 - 27/09	Ensure latest version of the application is deployed in trial environment (VPS) Complete 1st round external user acceptance testing Resolve any identified issues
		T-2	28/09 - 08/10	Complete 2nd round external user acceptance testing Resolve any identified issues
		T-3	09/10 - 19/10	Contingency Complete final project assessment Deliver Product Release Milestone (PRM)