Resource Manager

Project Plan

[Note: Text enclosed in square brackets and displayed in blue italics (style=InfoBlue) is included to provide guidance to the author and should be deleted before publishing the document.]

# Introduction

[Briefly describe the content of the project plan.]

This document discusses the project team including team members, relationships as well as communication channels. It will describe practices and measurements used in the project for managing the process. We will also cover deployment methods and expected dates for milestones and objectives.

# Project organization

[Introduce the project team, team members, and roles that they play during this project. If applicable, introduce work areas, domains, or technical work packages that are assigned to team members. Introduce neighboring projects, relationships, and communication channels. If the project is introduced somewhere else, reference that location with a link.]

Our team consists of 4 key team members, due to the small size of the team we do not have a defined management structure and are essentially managing through council. This allows all team members to have equal capability to influence the project direction. The team will use a [discord server](https://discord.gg/N2QRcmB) as its primary communication channel, and has decided on using [GitHub](https://github.com/MatthewJuliusScott/ResourceManager) as its version control.

The team members below are listed in Alphabetical order.

Brodie

Aaron Brody, Technical consultant, will be performing components of the management, Design, development test and deployment activities. Key Experience, Technical consultant working across various technologies.

Jack

Matthew

# Project practices and measurements

[Describe or reference which management and technical practices will be used in the project, such as iterative development, continuous integration, independent testing and list any changes or particular configuration to the project. Specify how you will track progress in each practice. As an example, for iterative development the team may decide to use iteration assessments and iteration burndown reports and collect metrics such as velocity (completed work item points/ iteration).

This project will be developed using the unified process. As such it will be developed using a phased approach, each phase Inception, Elaboration, Construction and Transition has its own purpose. The inception phase is designed to gather rough requirements and design artefacts so that project team members understand what is required. The elaboration phase is designed to ensure that given constraints of the project the system will be able to be built. The construction phase is spent iteratively building the system. The Transition phase is where the team will work on key defects raised through the construction phase and deliver the system to the production environment.

# Deployment

[Outline the strategy for deploying the software (and its updates) into the production environment.]

# Project milestones and objectives

[Define and describe the high-level objectives for the iterations and define milestones. For example, use the following table to lay out the schedule. Generic goals are provided as a guide. You should expand/replace these with your own project specific goals.]

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| **Subject** | **Phase** | **Iteration** | **Dates** | **Primary objectives** (risks and use case scenarios) |
| ITC303 – Software Development Project 1 | Inception Phase | I-1 | 18/03 – 01/04 | Establish Vision  Establish Initial Requirements Model  Complete Preliminary Non-functional Requirement Analysis  Identify/Document Candidate Architectures  Establish Risk List  Establish Version Control |
| I-2 | 01/04 – 15/04 | Complete Full Description for Critical Core Risky Difficult (CCRD)Use Case  Implement Technical Competency Demonstrator  Create Test Plan  Establish Initial Project Plan  Deliver Life Cycle Objectives Milestone (LCOM)  Complete Inception Phase Project Assessment |
| Elaboration Phase | E-1 | 15/04 – 29/04  (Session Break) | Reduced work period, realization of LCOM. |
| E-2 | 29/4 – 13/05 | Mitigate 1st and 2nd Highest Priority Risk(s)  Implement 1st and 2nd Highest Priority Architectural Element(s) to Support CCRD Use Case  Complete Development and Integration Testing for 1st and 2nd Highest Priority Architectural Element(s) |
| E-3 | 13/05 – 27/05 | Mitigate 3rd Highest Priority Risk(s)  Implement 3rd Highest Priority Architectural Element(s) to Support CCRD Use Case  Complete Development and Integration Testing for 3rd Highest Priority Architectural Element(s)  Deploy Executable Architecture in Trial Environment  Complete Internal User Acceptance Testing for CCRD Use Case in Trial Environment |
| E-4 | 27/05 – 10/06 | Contingency  Deliver Life Cycle Architecture Milestone (LCAM)  Complete Elaboration Phase Project Assessment |
| Mid-year Semester Break | | | | |

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| --- | --- | --- | --- | --- |
| Mid-year Semester Break | | | | |
| ITC309 – Software Development Project 2 | Construction Phase | C-1 | 15/07 – 29/07 | Implement 2nd Highest Priority Use Case(s)  Complete Development and Integration Testing for 2nd Highest Priority Use Case(s)  Complete Internal User Acceptance Testing for 2nd Highest Priority Use Case(s) |
| C-2 | 29/07 – 12/08 | Implement 3rd Highest Priority Use Case(s)  Complete Development and Integration Testing for 3rd Highest Priority Use Case(s)  Complete Internal User Acceptance Testing for 3rd Highest Priority Use Case(s) |
| C-3 | 12/08 – 26/08 | Implement 4th Highest Priority Use Case(s)  Complete Development and Integration Testing for 4th Highest Priority Use Case(s)  Complete Internal User Acceptance Testing for 4th Highest Priority Use Case(s) |
| C-4 | 26/08 – 9/09  (Session Break) | Contingency  Deliver Initial Operation Capability Milestone (IOCM)  Complete Construction Phase Project Assessment |
| Transition Phase | T-1 | 9/09 – 23/09 | Deploy Application in Trial Environment  Complete 1st Round External User Acceptance Testing  Resolve Any Identified Issues |
| T-2 | 23/09 – 6/10 | Complete 2nd Round External User Acceptance Testing  Resolve Any Identified Issues |
| T-3 | 6/10 – 20/10 | Contingency  Deliver Product Release Milestone (PRM)  Complete Final Project Assessment |