Resource Manager

# Introduction

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

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

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

We will deploy the tool to AWS servers so we can share the tool with the stakeholder for feedback prior to it being complete. This will allow us to make iterative adjustments as required. It will require a single user to log onto our AWS instance and load the requisite software and start the application; it will be a self-contained deployment. Excluding the SQL Server which will be a separate installation, we will be required to install MySQL on the server prior to deployment of the application.

# Project milestones and objectives

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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 | Design work for Allocate resource. |
| E-3 | 13/05 – 27/05 | Complete Allocate Resource Use Case  Deploy correct security requirements for software  Begin Work on Update Skills and Remove skills Use Cases  Procure AWS Servers  Being working on implementation of Update skills  Begin working on Implementation of remove skills |
| E-4 | 27/05 – 10/06 | Deploy current Tool to AWS instance  Begin implementation of Authenticate with system  Design logo for deployment  Begin Design work on View User allocation  Begin Design work on View unassigned resources documentation  Test Current Tool deployment. |
| E-5 | 10/6 – 24/6 | Contingency  Complete end-to-end UAT of CCRD use Case  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 | Complete Authentication with system use case  Complete Update project use case  Complete Create project use case  Develop Update and remove skills use cases  Design work for Add and remove system users  Design work for view upcoming projects complete  Test newly implemented components |
| C-2 | 29/07 – 12/08 | Complete implementation of update and create project use cases  Complete implementation of Add and remove system users  Complete implementation for view upcoming projects  Full use Case Description for Request to join project  Full use case description for Notify of new project assignment  Full use case description for Notify of resource double booking  Test newly implemented components |
| C-3 | 12/08 – 26/08 | Implement Request to join project  Implement Notify of new project assignment  Implement notify of resource double booking  Full use case description of View Organizational requirements  Implement View Organizational Requirements.  Test newly implemented components. |
| C-4 | 26/08 – 9/09  (Session Break) | Contingency  End to end testing of IOCM  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 |