# Inspect
# Project Plan

# 1. Introduction

This document aims to outline the high level planning, practices, milestones and objectives.

# 2. Project organisation

The project team is made up of 4 team members: Jasmine Booth, Michael Coleman, Conrad Fleming, and Elias Zanbaka. Team members roles and responsibilities, and the project introduction can be found in the Vision Document:
https://github.com/MethodicalMadness/Inspect/blob/master/Elaboration%20Documentation/Vision.pdf

# 3. Project practices and measurements

All discrete tasks will be outlined in the iteration plan and completion is agreed upon by team members through review processes. All documents are reviewed and agreed upon by team members. All code tasks will be reviewed by another team member and facilitated by a third before merging with master.

Each iteration within the project will be risk driven. Highest risk architectural elements will be implemented first. Each elaboration iteration will also have development and integration testing. This testing phase of each iteration will be used to ensure stability of the core architecture before moving onto implementing next risky architecture element. Similarly, each construction phase will have internal user acceptance testing to ensure the application can handle required tasks before external user acceptance tests simulating real-world scenarios.

# 4. Deployment

Deployment will occur through the google play store. Updates will also be pushed to the play store. The play store will handle updating users application as per their system settings.

# 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 | 18/03 – 31/03 | Complete Preliminary Non-functional Requirement Analysis<br><br>Establish Initial Use Case Model<br><br>Establish Initial Domain Model<br><br>Establish Vision<br><br>Establish Version Control<br><br>Establish Developer Environments<br><br>Establish Risk List |
| | | I-2 | 01/04 – 14/04 | Identify/Document Candidate Architectures<br><br>Implement Technical Competency Demonstrator<br><br>Create Test Plan<br><br>Establish Initial Project Plan<br><br>Establish Art Style Guide and UI Guidelines<br><br><span style="color:red">Deliver Life Cycle Objectives Milestone (LCOM)</span><br><br>Complete Inception Phase Project Assessment |
| | Elaboration Phase | E-1 | 15/04 – 28/04<br><br>(Session Break) | Implemented Conversion Manager<br><br>Implemented Log Manager<br><br>Implemented PDF export<br><br>Commenced work on implementing the custom template system<br><br>Commenced work on the custom template editing system |
| | | E-2 | 29/4 – 12/05 | Finalised implementation of the template<br><br>Progressed work on the custom template editing system<br><br>Commenced work on file management system |

| | | E-3 | 13/05 – 26/05 | Finalised implementation of the file management system<br><br>Implemented photo manager & camera integration to the application<br><br>Commenced work on the template manager<br><br>Commenced work on the file share management system |
|---|---|---|---|---|
| | | E-4 | 27/05 – 10/06 | Contingency<br><br>Corrected issue with photo management system<br><br>Commenced work on implementing file management with file share and template editor<br><br>Progressed work on the template manager system<br><br>Progressed work on the file share management system |
| | | E-5 | 11/06 – 24/06 | Contingency<br><br>Finalised implementation of the template editor<br><br>Finalised implementation of the file management to include saving/loading a save state<br><br>Finalised implementation of the file share manager<br><br>Finalised implementation of the photo manager with rest of application<br><br>Implemented inspector<br><br>Unit Testing.<br><br>Integration Testing<br><br>User Acceptance Testing<br><br>Revise Architecture and Design Documentation<br><br>Revise Project Plan<br><br><span style="color:red">Deliver Life Cycle Architecture Milestone (LCAM)</span><br><br>Complete Elaboration Phase Project Assessment |
| Mid-year Semester Break | | | | |

| Mid-year Semester Break |
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| ITC309 – Software Development Project 2 | Construction Phase | C-1 | 15/07 - 28/07 | Refine and polish UI and UX for Create, Modify, and Save a Template Use Case(s) |
|---|---|---|---|---|
| | | | | Complete necessary Unit and Integration Testing for changes made relating to Create, Modify, and Save a Template Use Case(s) |
| | | | | Complete Internal User Acceptance Testing for Create, Modify, and Save a Template Use Case(s) |
| | | | | Update Programmer Documentation related to Create, Modify, and Save a Template Use Case(s) |
| | | C-2 | 29/07 - 11/08 | Refine and polish UI and UX for On Site Inspection Use Case(s) |
| | | | | Complete necessary Unit and Integration Testing for changes made relating to Testing On Site Inspection Use Case(s) |
| | | | | Complete Internal User Acceptance Testing for On Site Inspection Use Case(s) |
| | | | | Update Programmer Documentation related to Testing On Site Inspection Use Case(s) |
| | | C-3 | 12/08 - 25/08 | Refine and polish UI and UX for File Sharing Use Case(s) |
| | | | | Complete necessary Unit and Integration Testing for changes made relating to File Sharing Use Case(s) |
| | | | | Complete Internal User Acceptance Testing for File Sharing Use Case(s) |
| | | | | Update Programmer Documentation related to Testing for File Sharing Use Case(s) |
| | | C-4 | 26/08 - 08/09 | Contingency |
| | | | | <span style="color:red">Deliver Initial Operation Capability Milestone (IOCM)</span> |
| | | | | Complete Construction Phase Project Assessment |
| | Transition Phase | T-1 | 09/09 - 22/09 | Package Application for Distribution (.APK) |
| | | | | Create Feedback sheets and Questionnaires for External UAT |
| | | | | Complete 1st Round External User Acceptance Testing |
| | | | | Resolve Any Identified Issues |
| | | T-2 | 23/09 - 06/10 | Complete 2nd Round External User Acceptance Testing |
| | | | | Resolve Any Identified Issues |
| | | T-3 | 07/10 - 21/10 | Contingency |
| | | | | <span style="color:red">Deliver Product Release Milestone (PRM)</span> |
| | | | | Complete Final Project Assessment |