ADHD Task Manager

Project Plan

# Introduction

[Briefly describe the content of the project plan.]

# 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.]

# Project practices and measurements

The ADHD Task Manager project will use a range of management and technical practices to support the development process, including:

1. Agile development: The project will use an Agile development methodology, with a focus on iterative development and continuous improvement. This approach will enable the team to quickly respond to changing user needs and requirements, and to deliver working software on a regular basis.
2. Scrum framework: The development process will be organized around the Scrum framework, with a Scrum Master, and Development Team working together to deliver high-quality software. This framework will support the iterative development process and provide a structure for regular meetings and reviews.
3. User-centered design: The development process will be guided by user-centered design principles, with a focus on understanding user needs and designing features that are intuitive, accessible, and effective for users with ADHD.
4. Continuous integration and testing: The development process will use continuous integration and testing practices to ensure that new code is regularly integrated into the main codebase and that all changes are thoroughly tested before deployment.
5. Code reviews and quality assurance: The team will use code reviews and quality assurance practices to ensure that all code is of high quality and meets established standards for performance, security, and accessibility.

To track progress in each of these practices, the team will use a variety of tools and metrics, including:

* Iteration assessments and burndown reports to track progress in Agile development and ensure that the team is meeting its goals for each iteration.
* Code review tools and metrics to track code quality and identify areas for improvement.
* Automated testing tools and metrics to ensure that all changes are thoroughly tested, and that new code does not introduce bugs or performance issues.

Overall, the ADHD Task Manager project will use a range of management and technical practices to support an iterative, user-centered development process that delivers high-quality software on a regular basis. The team will track progress in each practice using a variety of tools and metrics, with a focus on continuous improvement and meeting user needs.

# Deployment

The strategy for deploying the software and its updates into the production environment will involve several key steps:

1. **Planning and Preparation:** The project team will create a deployment plan that outlines the steps for deploying the application to the app store (Google Play Store). The plan will identify any potential risks or issues that may arise during deployment and include contingency plans to mitigate these risks.
2. **App Store Submission:** The application will be submitted to the app store for review and approval. The submission process may take several days, during which time the app store will review the application to ensure that it meets their guidelines and standards.
3. **Testing:** Prior to deployment, the application will be tested thoroughly to ensure that it is free from bugs and performs as expected. Testing will include functional testing, user acceptance testing, and performance testing.
4. **Rollout Plan:** A rollout plan will be developed that outlines the process for deploying the application to end-users. The plan will specify the order in which updates will be deployed, the timing of the deployment, and any specific requirements for each update.
5. **Deployment:** Once the rollout plan has been developed and tested, the application will be deployed to the app store. The deployment process will be automated, using Fastlane, to ensure that the process is consistent and repeatable.
6. **User Communication:** End-users will be notified of the new release through the app store notification system. The notification will include a summary of the new features or fixes and instructions on how to download the update.
7. **Monitoring and Support:** The production environment will be closely monitored to ensure that the application is performing as expected. Any issues will be addressed promptly, and appropriate support will be provided to end-users as needed.
8. **Continuous Improvement:** The deployment process will be continuously reviewed and refined to identify areas for improvement. This will ensure that future deployments are even smoother and more efficient, minimizing the risk of downtime or issues.

# 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 | 13/03 – 26/03 | Establish Vision; Establish Initial Use Case Model; Complete Preliminary Non-functional Requirement Analysis; Identify/Document Candidate Architectures; Establish Version Control |
| I-2 | 27/03 – 9/04 | Establish Risk List; 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 | 10/04 – 23/04  (Session Break) | Mitigate Highest Priority Risk(s); Implement Highest Priority Architectural Element(s) to Support CCRD Use Case; Complete Development Testing for Highest Priority Architectural Element(s) |
| E-2 | 24/4 – 7/05 | Mitigate 2nd Highest Priority Risk(s); Implement 2nd Highest Priority Architectural Element(s) to Support CCRD Use Case; Complete Development and Integration Testing for 2nd Highest Priority Architectural Element(s) |
| E-3 | 8/05 – 21/05 | 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 | 22/05 – 2/06 | 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 | 10/07 – 23/07 | 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 | 24/07 – 6/08 | 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 | 7/0 – 20/08 | 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 | 21/08 – 3/09  (Session Break) | Contingency; Deliver Initial Operation Capability Milestone (IOCM); Complete Construction Phase Project Assessment |
| Transition Phase | T-1 | 4/09 – 17/09 | Deploy Application in Trial Environment; Complete 1st Round External User Acceptance Testing; Resolve Any Identified Issues |
| T-2 | 18/09 – 1/10 | Complete 2nd Round External User Acceptance Testing and resolve any identified issues |
| T-3 | 2/10 – 13/10 | Contingency period if the project runs over schedule. Deliver Product Release Milestone (PRM) and Complete Final Project Assessment |