*Process MeNtOR 3.o*

*Uni-SEP*

<Project Name>

**Design Document**

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# Document Change Control

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| **Version** | **Date** | **Authors** | **Summary of Changes** |
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# Document Sign-Off

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# Introduction

## Purpose

*This document details the requirements the system <System Name>.*

*For small projects this document may contain the complete design model of a system. In larger projects this document will cover only a particular subject area.*

## Overview

*Text providing a roadmap to the sections and diagrams in your document*

## Resources - References

*Include references to other documents that may assist in the understanding of this document. (i**.e. past SRS and SDDs)*

# Sequence Diagrams

*For each use case diagram introduce the corresponding sequence diagram. Make sure you identify and associate each sequence diagram with the proper use case by maintaining unique Identifiers for use cases. Refer to the project description for which of the scenario you need to write collaboration diagrams.*

# Major Design Decisions

*Description of significant design choices, and modularization criteria.*

# Architecture

*Provide an initial decomposition of your system as a collection of interacting modules. If you need nested diagrams please use nesting levels. Include explanations on the functionality of each component. Provide the exposed interfaces of each component and list and briefly describe the functionality (one sentence) of the operations included in each such interface.*

# Detailed Class Diagrams

## UML Class Diagrams

*Detailed class diagrams for each class you modify or write for the extensions. You can separate the class diagrams per module they appear. Tables should also be included listing the methods of each class with a short description of what each method does. Please indicate if you a specific design pattern is used in your class diagrams.*

# Use of Design Patterns

*Description of the design patterns used along with their corresponding class diagrams.*

# Activities Plan

## Project Backlog and Sprint Backlog

*In this Section, and assuming you follow a Scrum process model, provide a list of product backlog items so that you can select items for your Sprint backlog. Make sure the product backlog list and the tasks in each product backlog item are consistent with the Gantt Chart in Section 6.1. above.*

## Group Meeting Logs

In this Section you write minutes of each meeting, listing the attendance, what the topics of discussion in the meeting were, any decisions that were made, and which team members were assigned which tasks. These minutes must be submitted with the project report in each deliverable and will provide input to be used for the overall assessment of the project.

|  |  |  |
| --- | --- | --- |
| **Present Group Members** | **Meeting Date** | **Issues Discussed / Resolved** |
|  |  |  |
|  |  |  |

# Test Driven Development

Test cases will be provided in the form of a table as follows:

|  |  |
| --- | --- |
| **Test ID** | The unique Id of the test case |
| **Category** | Which part of the system is tested (*e.g. evaluation of user  credentials stored on file or DB*) |
| **Requirements Coverage** | The unique ID of the requirement tested (*e.g. UC1-Successful-User-Login*) |
| **Initial Condition** | Initial conditions required for the test case to run (*e.g. the system has been initiated and runs*) |
| **Procedure** | The list of steps required for this test case (*e.g.*  *1. The user selects login*  *2. The user provides a user name*  *3. The user provides a password*  *4. The user logs-in into the system and is presented with the main UI window*) |
| **Expected Outcome** | The expected outcome of the test case (*e.g. the login form closes, and the user is presented with the main UI window*) |
| **Notes** | Any other notes you may want to add for this test case, which are also reflected in the requirements specification (*e.g. the user should provide only alphanumeric user names and passwords without any special characters*) |