Company Management System

Version 1.0

Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 29/NOV/10 | 1.0 | Initial Version | Michael Laws |
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# Introduction

## Purpose

The purpose of the Test Plan is to gather all of the information necessary to plan and control the test effort for a given iteration. It describes the approach to testing the software, and is the top-level plan generated and used by development team to direct the test effort.

## Scope

Unit testing will be addressed in this test plan. There is no significant area that will be excluded from this scope. All audiences will be satisfied by the scope of this plan.

## References

Company Management System Analysis and Design

Software Requirements Specification

Analysis and Design

Functional Trace Table

# Overview

## Project Purpose

The purpose of this project is to facilitate digital record keeping and paperwork for the individual company. It will use a server side database with an intuitive web interface to centralize and streamline all tasks.

## Requirements Trace

All requirements are verified by one or more test in this plan.

## Testing Resources

### Hardware

A computer with internet access.

A server with a database and web server.

### Software

Web browser.

### Personnel

Company Staff, MIR MIDN, Company Officer.

# Outline of Planned Test

## Log In

Every user of the system should be able to log into some level of the system.

### Requirements

This test case will verify requirements 1 and 2.

### Preconditions

The system has been initialized and waiting for a user to log in.

### Test Description

1. Actor types in his login and password to the system.
2. System verifies login and password.
   1. If successful, transfers user to “Option select page”, dynamically generated based on the user’s access level.
   2. If unsuccessful, transfers to retry page.

### Post Conditions

Individual has been authenticated and granted access to the system.

## Enter Inspection

### Requirements

This test case will verify requirements 3, 4, 5, and 6 as shown in the functional trace table.

### Preconditions

#### The user has successfully logged into the system.

#### The user is currently navigated to the main (switchboard) page.

### Test Description

1. The user will request the Enter Inspection module.
2. The user will enter the required fields on the generated page.
3. From the displayed list, the user will select a subordinate.
4. Once a subordinate is selected, the user will select an applicable inspection.
5. The user will enter hits.
6. The user, once done filling in the inspection, will save the entry.

### Post Conditions

#### The user will then view the successful execution message and return to the switchboard.

#### The inspection will be saved in the database and be available for review.

## Reviewing Inspections

### Requirements

This test case will verify requirements 1, 2, 3, 4, and 8 as shown in the functional trace table.

### Preconditions

Successful System Login at the correct level to access the Inspection Review Module.

### Test Description

1. *Click on the Review Inspection Module*
2. Select to review Room or Uniform inspections.
3. Select which subordinates from menu.
4. Select a specific inspection to view results.
5. Select close Inspection Review Module.

### Post Conditions

The system will return the user to the main system page.

## 0800 Report

### Requirements

This test case will verify requirements 1, 2, 3, 4, 6, and 8 as shown in the functional trace table.

### Preconditions

Successful System Login

### Test Description

Click on the 0800 Report Module button.

Verify and correct all sections of the 0800 Report which was generated given the information in the company database.

1. Submit
2. Verify printer settings when prompted
3. Verify Company Officer and Company Midshipman to be emailed a copy of the 0800 Report
4. Email 0800 Report.

### Post Conditions

The system will generate a pdf document of the 0800 Report which will be placed in the CDO turnover binder, and generate an email to the Company Officer, and key members of the Company Midshipman Staff.

## Log Out

A user that is logged into the system needs to be able to log out of the system.

### Requirements

This test case will verify requirements 1 and 2.

### Preconditions

The system has been logged into by a user.

### Test Description

1. Actor clicks the log out button.
2. Actor is de-authenticated from the system and is transferred to the login screen and displays the message “logout successful”
3. System cleans up all the system/session variables/cache.

### Post Conditions

Individual has been de-authenticated and sent to the login screen.

# Deliverables

1. Screenshots of all steps in each of the test plans.

# 5. Customer Review.

**Customer’s initials**: \_\_\_\_\_\_\_\_\_\_ **Date initialed:** \_\_\_\_\_\_\_\_\_\_ “The team has shown me their Requirements and Test Plan. I have given the team feedback on any changes I would like them to make, in particular with regard to adding, removing, or modifying any requirements. I understand that, since the team will be using the Agile Software Development approach over the course of this project, I am free to require the team to add, remove, or modify any requirements as I see fit at any time during the team’s development of this capstone project.”

**Technical Advisor’s initials**: \_\_\_\_\_\_\_\_\_\_\_ **Date initialed:** \_\_\_\_\_\_\_\_\_\_ Required only for teams whose customer is not a faculty member in the CS Department.

*Note: The customer’s initials (and Technical Advisor’s initials if required) must be attained before a team may deliver the milestone. It is the team’s responsibility to meet with their customer with enough lead time in order to get the required initials and meet published milestone delivery deadlines. Lack of customer/technical advisor availability (especially in the 48 hours prior to milestone delivery) demonstrates poor planning and communication on the part of the team, and is not considered a valid excuse for failure to deliver a milestone on time.*