

**ÇANKAYA UNIVERSITY**

**FACULTY OF ENGINEERING**

**COMPUTER ENGINEERING DEPARTMENT**

**Test Plan, Test Design Specifications and Test Cases**

**Version 1**

**CENG 408**

Innovative System Design and Development II

**PROJECT MANAGEMENT SYSTEM**

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# INTRODUCTION

## Version Control

|  |  |  |
| --- | --- | --- |
| **Version No** | **Description of Changes** | **Date** |
| 1.0 | First Version | Nov 22, 2017 |
|  |  |  |
|  |  |  |

## Overview

The aim of the Software Test Documentation is to test all modules of the PMA. We applied some testing types to some modules which work correct or not. This document includes some detailed description of Project.

## Scope

Project Management System is like preparing to the implementation. When we look at the Software Requirement System, we separated simple parts according to individual who enters the system. This part contributes to the Project that some of them has only its own pages. It can be made some changes, updates, deleting with helping a database. We tested changing of the data in STD.

Software Test Document is prepared according to IEEE STD standards.

## Terminology

| **Acronym** | **Definition** |
| --- | --- |
| * **LG** | Login |
| * **AU** | Add User |
| * **LU** | List Users |
| * **CP** | Change Password |
| * **UA** | User Authority |

# FEATURES TO BE TESTED

## Login (LG)

The user enters their e-mail address and password and press Enter. When the user clicks the login button, the user checks in the database, and if the user is registered in the database, the user is redirected to the homepage. If the user is not registered on the system, an warning message is displayed. If the password or user name is misspelled on the login page, the user is notified.

## Add User (AU)

Users who want to use this page are added. If the user is not in the database, the system displays the error message.

## List Users (LU)

The user list field is the page where the names of the users who want to use the system are listed in the system, including the roles, date, status, and events. User roles are displayed as administrator or employee. Users are displayed as active or passive.

## Change Password (CP)

A new password is given and it is not able to comply with the old password. If the old password is incorrect or does not match the program, the "New password and old password do not match" warning appears on the screen. If the user enters the wrong password, the warning "no record found" appears on the screen.

## User Authority (UA)

This page is where the users' privileges are displayed. The system administrator authorizes according to the status of the user. These authorities are displayed on the pages of the users.

# FEATURES NOT TO BE TESTED

Whether PM’s can use display tasks function properly or not.

Whether PM’s can use create new task function properly or not.

Whether PM’s can use edit & remove tasks function properly or not.

Whether team members can use create & forward report function properly or not.

# ITEM PASS/FAIL CRITERIA

In case of tested module or function work properly we will sign that part as “PASS”. At the other hand if the item we are considering does not work properly we will sing it as “FAIL”. In case of “FAIL” of a function, discussion and searching for a solution will be occurred between team members of the project after the entire project testing finished. For example, if system is not connect to database, data of the project is not appear on the system or if a part of the code is not work properly and it is not give error message, this module testing will be fail. . All the results will be saved in test logs as well.

## Exit Criteria

Some conditions the testing of the product is considered successful. Some examples are:

* 100% of the test cases are executed
* All High and Medium Priority test cases passed

# TEST DESIGN SPECIFICATIONS

## Login (LG)

|  |  |  |  |
| --- | --- | --- | --- |
| **TC ID** | **Requirements** | **Priority** | **Scenario Description** |
| LG.01 | 3.1.1 | H | Enter a valid user email and password |
| LG.02 | 3.1.2 | H | Enter a valid user email and invalid password |
| LG.03 | 3.1.3 | H | Enter an invalid user email and valid password |
| LG.04 | 3.1.4 | H | Enter an invalid user email and invalid password |
| LG.05 | 3.1.5 | H | Enter an information that is not available on the system. |
| LG.06 | 3.1.6 | H | Enter invalid informations |

## Add User (AU)

|  |  |  |  |
| --- | --- | --- | --- |
| **TC ID** | **Requirements** | **Priority** | **Scenario Description** |
| AU.01 | 3.6.1 | H | The information of the new user is entered into the system. |

## List Users (LU)

|  |  |  |  |
| --- | --- | --- | --- |
| **TC ID** | **Requirements** | **Priority** | **Scenario Description** |
| LU.01 | 3.5.1 | M | When the List Users page is opened, the users registered on the system are listed. |

## Change Password (CP)

|  |  |  |  |
| --- | --- | --- | --- |
| **TC ID** | **Requirements** | **Priority** | **Scenario Description** |
| CP.01 | 3.2.1 | H | Enter correct answer |
| CP.02 | 3.2.2 | H | Enter incorrect answer |

## User Authority (UA)

|  |  |  |  |
| --- | --- | --- | --- |
| **TC ID** | **Requirements** | **Priority** | **Scenario Description** |
| AU.01 | 3.7.1 | H | The authorized person in the system is successfully authorized by the authorized person. |

# Detailed Test Cases

## LG.AD.01

|  |  |
| --- | --- |
| **TC\_ID** | LGN.01 |
| **Purpose** | Enter a valid admin user id and password |
| **Requirements** | 3.1.1 |
| **Priority** | High. |
| **Estimated Time Needed** | 5 Minutes |
| **Dependency** | Add User test cases should pass |
| **Setup** | An admin user should be created. |
| **Procedure** | [A01] Go to login page. |
| [A02] Enter a valid admin user id. |
| [A03] Enter the valid password for this user |
| [A04] Click on the “Login” button. |
| [V01] Observe that the login is successful and the admin page appears |
| - |
| **Cleanup** | Logout |

## AU.AD.02

|  |  |
| --- | --- |
| **TC\_ID** | AU.01 |
| **Purpose** | Create new user |
| **Requirements** | 3.6.1 |
| **Priority** | High. |
| **Estimated Time Needed** | 5 Minutes |
| **Dependency** | Add User test cases should pass |
| **Setup** | An admin user should be created. |
| **Procedure** | [A01] Go to login page. |
| [A02] Enter a valid admin user id. |
| [A03] Enter the valid password for this user |
| [A04] Click on the “Login” button. |
| [A05] Click “Create User” button. |
| [V01] Observe that the create new user is successful and the admin page appears |
| **Cleanup** | Logout |

## LU.AD.03

|  |  |
| --- | --- |
| **TC\_ID** | LU.01 |
| **Purpose** | Enter a valid admin user id and password |
| **Requirements** | 3.5.1 |
| **Priority** | Medium. |
| **Estimated Time Needed** | 5 Minutes |
| **Dependency** | List User test cases should pass |
| **Setup** | An admin user should be listed users. |
| **Procedure** | [A01] Go to login page. |
| [A02] Enter a valid admin user id. |
| [A03] Enter the valid password for this user |
| [A04] Click on the “Login” button. |
| [A05] Click “Create User” button. |
| [V01] Observe that the list users are successful, and the admin page appears |
| **Cleanup** | Logout |

## CP.AD.04

|  |  |
| --- | --- |
| **TC\_ID** | CP.01 |
| **Purpose** | Enter a valid admin user id and password |
| **Requirements** | 3.2.1 |
| **Priority** | High. |
| **Estimated Time Needed** | 5 Minutes |
| **Dependency** | Change Password test cases should pass |
| **Setup** | An admin user should be listed users. |
| **Procedure** | [A01] Go to login page. |
| [A02] Click “Forget Password” button. |
| [A03] Click reset password link. |
| [A04] Create new password |
| [A05] Confirm new password |
| [V01] Observe that the change password is successful, and the admin page appears |
| **Cleanup** | Logout |

## UA.AD.05

|  |  |
| --- | --- |
| **TC\_ID** | UA.01 |
| **Purpose** | Enter a valid admin user id and password |
| **Requirements** | 3.7.1 |
| **Priority** | High. |
| **Estimated Time Needed** | 5 Minutes |
| **Dependency** | User authority test cases should pass |
| **Setup** | An admin user should be listed users. |
| **Procedure** | [A01] Go to login page. |
| [A02] Enter a valid admin user id. |
| [A03] Enter the valid password for this user |
| [A04] Click on the “Login” button. |
| [A01] Go to login page. |
| [A01] Click “Users Table” button. |
| [V01] Observe that the display users authority is successful, and the admin page appears |
| **Cleanup** | Logout |