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

THE VISUAL ASSET
MANAGEMENT
SYSTEM OF ÇANKAYA UNIVERSITY

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1. INTRODUCTION

1.1 Version Control

Version No	Description of Changes	Date
1.0	First Version	October 21, 2018

1.2 Overview

The use case of the Visual Asset Management System of the Çankaya University, users name as staff and admin which had been determined in SRS document will be tested.

1.3 Scope

This document encapsulates the test plan of the use cases, test design specifications and the test cases correspond to test plan.

1.4 Terminology

Acronym	Definition
UI	User Interface
AM	Admin mode
SM	Staff mode

2. FEATURES TO BE TESTED

This section lists and gives a brief description of all the major features to be tested. For each major feature there will be a Test Design Specification added at the end of this document.

2.1 User Interface (UI)

In project, user interface components are used. The UI part is divided into admin page and staff page. Every part of the UI also includes smaller parts. UI part includes testing of the functions of UI components which are used in the project such as buttons, panel, text, images,etc.

2.2 Admin Mode (AM)

This part includes test cases and test plan of Admin Mode. Admin Mode includes buttons such as register a staff, asset operations like, add, remove and update an asset, list of all assets. Also, image of the floor plans to list of assets at a specific room or floor. Testing of the stated requirements will occur in this document.

2.3 Staff Mode (SM)

This part includes test cases and test plan of Staff Mode. Staff Mode includes buttons such as list of all assets. Also, images floor plans to list of assets at a specific room or floor. Testing of the stated requirements will occur in this document.

3. ITEM PASS/FAIL CRITERIA

3.1 Exit Criteria

- 100% of the test cases are executed
- 99.9% of the test cases passed
- All High and Medium Priority test cases passed

4. REFERENCES

[1] IS502_Group1_SRS_V2.0, December 12, 2000
[2] Group10_SRS_100, April 12, 2017
[3] Group10_SDD_100, April 12, 2017

5. TEST DESIGN SPECIFICATIONS

5.1 User Interface (UI)

5.1.1 Sub-features to be tested

5.1.1.1 Login Button (UI.LGN_BTN)

Admin or staff can enter to system with selecting "Login" button. After login button selected, displayed admin page or staff page.

5.1.1.2 Register Staff Button (UI.RSTF_BTN)

After pressing this button, the admin will be redirect to the register staff page.

5.1.1.3 Add Staff Button (UI.ADST_BTN)

After the necessary fields are fill in the staff registration page, this button is pressed and the registration process is completed.

5.1.1.4 Asset Operations Button (UI.ASOP_BTN)

After this button is pressed, options related to asset operations are open.

5.1.1.5 Asset Operations Button – Add Asset Button (UI.ASOPADD_BTN)

Clicking this button will redirect to the asset add page.

5.1.1.6 Asset Operations Button – Remove Asset Button (UI.ASOPRMV_BTN)

Clicking this button will redirect to the asset remove page.

5.1.1.7 Asset Operations Button – Create Asset Button (UI.ASOPCRT_BTN)

Clicking this button will redirect to the asset create page.

5.1.1.8 List All Assets Button (UI.LAAS_BTN)

When the button clicked, all assets and assets pieces are list.

5.1.1.9 Exit Button (UI.EXIT_BTN)

Clicking this button will end the user's session.

5.1.2 Test Cases

TC ID	Requirements	Priority	Scenario Description
UI.S_LGN_BTN.01	3.2.1	H	Select "LOGIN" button. After selecting, user page will be displayed.

TC ID	Requirements	Priority	Scenario Description
UI.RSTF_BTN.01	3.2.1	L	Select "Sign Up" button. After selecting, the user will be redirected to the staff adding page.

TC ID	Requirements	Priority	Scenario Description
UI. ADST_BTN.01	3.2.1	L	Select "Register Staff" button. After selecting, the user will be added by admin.

TC ID	Requirements	Priority	Scenario Description
UI. ASOP _BTN.01	3.2.1	L	Select "Asset Operations" button. After selecting, the user will be redirected to the asset operations page.

TC ID	Requirements	Priority	Scenario Description
UI.ASOPADD _BTN.01	3.2.2	L	Select "Add Asset" button. After selecting, The user will be redirected to the asset adding page.

TC ID	Requirements	Priority	Scenario Description
UI. ASOPRMV _BTN	3.2.2	L	Select "Remove Asset" button. After selecting, The user will be redirected to the asset removing page.

TC ID	Requirements	Priority	Scenario Description
UI.ASOPCRT _BTN	3.2.2	L	Select "Create Asset". After selecting, The user will be redirected to the asset creating page.

TC ID	Requirements	Priority	Scenario Description
UI.LAAS_BTN	3.2.2	L	Select "List All Assets" button. After selecting, The user will be redirected to the assets listing page.

TC ID	Requirements	Priority	Scenario Description
UI. EXIT_BTN.01	3.2.3	L	Select "Exit" button. After selecting, The user will be out of the system.

6. Detailed Test Cases

6.1 UI.LGN_BTN

TC_ID	UI.LGN_BTN
Purpose	Provides access to the page.
Requirements	3.2.1
Priority	High
Estimated Time Needed	15 Seconds
Dependency	The system is executed.
Setup	No installation is required.
Procedure	After filling in the required fields, select "Login" button from main menu.
	Options related to asset will be displayed on the screen.
Cleanup	Go back to previous page.

6.2 UI.RSTF_BTN

TC_ID	UI.RSTF_BTN
Purpose	Directed to the staff registration page.
Requirements	3.2.1
Priority	High
Estimated Time Needed	15 Seconds
Dependency	Access to the system.
Setup	Admin access to system
Procedure	Admin login to the system
	Register Staff Panel will be displayed on the screen.
Cleanup	Go back to previous page.

6.3 UI.ADST_BTN

TC_ID	UI.ADST_BTN
Purpose	New staff registration
Requirements	3.2.1
Priority	High
Estimated Time Needed	15 Seconds
Dependency	Selecting "Register Staff Button" button which occurs in main menu
Setup	No installation is required.
Procedure	Admin login to the system. Enter the valid password for the admin. Adding to staff by admin.
	"Registration completed" panel will be displayed on the screen.
Cleanup	Go back to previous page.

6.4 UI.ASOP_BTN

TC_ID	UI.ASOP_BTN
Purpose	Displaying asset options
Requirements	3.2.1
Priority	High
Estimated Time Needed	1 Minutes
Dependency	Access to the system.
Setup	Admin should login to the system.
Procedure	Admin login to the system.
	Enter the valid password for the admin.
	Observe that the login is successful and the asset options page appears.
Cleanup	Exit

6.5 UI.ASOPADD_BTN

TC_ID	UI.ASOPADD_BTN
Purpose	New asset adding
Requirements	3.2.2
Priority	Medium
Estimated Time Needed	1 Minutes
Dependency	Clicking to asset options button.
Setup	Admin should login to the system.
Procedure	Admin login to the system.
	Enter the valid password for the admin. Select "Options" button.
	Observe that "Asset added" is displayed.
Cleanup	Close options menu.

6.6 UI.ASOPRMV_BTN

TC_ID	UI.ASOPRMV_BTN
Purpose	Asset remove
Requirements	3.2.2
Priority	Medium
Estimated Time Needed	30 Seconds
Dependency	Clicking to asset options button.
Setup	Admin should login to the system.
Procedure	Admin login to the system. Enter the valid password for the admin. Select "Options" button.
	Select "Asset Remove" button.
	Observe that "Asset removed" is displayed.
Cleanup	Close options menu.

6.7 UI.ASOPCRT_BTN

TC_ID	UI.ASOPCRT_BTN
Purpose	Different asset creating
Requirements	3.2.2
Priority	Mediun
Estimated Time Needed	1 Minutes
Dependency	Clicking to asset options button.
Setup	Admin should login to the system.
Procedure	Admin login to the system. Enter the valid password for the admin. Select "Options" button.
	Select "Asset Remove" button.
	Observe that "Asset created" is displayed.
Cleanup	Close options menu.

6.8 UI.LAAS_BTN

TC_ID	UI.LAAS_BTN
Purpose	Displaying all assets.
Requirements	3.2.2
Priority	Low
Estimated Time Needed	15 Seconds
Dependency	Access to the system.
Setup	Admin or Staff access to system
Procedure	Admin login to the system
	List All Assets Panel will be displayed on the screen.
Cleanup	Close list all assets menu.

6.9 UI.EXIT_BTN

TC_ID	UI.EXIT_BTN
Purpose	Exit to system
Requirements	3.2.3
Priority	Low
Estimated Time Needed	5 Seconss
Dependency	-
Setup	-
Procedure	-
Cleanup	-