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Test Plan, Test Design Specifications and Test Cases
Version 1

CENG 408
Innovative System Design and Development II

Mega Reji: A gamified mobile application framework for stage management system

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1. INTRODUCTION

1.1 Version Control

Version No	Description of Changes	Date
1.0	First Version	Nov 22, 2018

1.2 Overview

Graphical user interface features, the use case of Mega Reji is planned to be tested. Requirements and functions had been determined in SRS and SDD documents before.

1.3 Scope

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

1.4 Terminology

Acronym	Definition
GUI	Graphical User Interface
MA	Mobil Application
SRS	Software Requirements Specification
SDD	Software Design Description

2. FEATURES TO BE TESTED

This section lists and gives a brief description of all the major features to be tested. Mega Reji has three main part: Pre- Production Mode, Production Mode and Post Production mode. In this section Graphical User Interface of Mega Reji and Mobile Application features will be discussed for testing.

2.1 Graphical User Interface (GUI)

Graphical user interface contains login and register pages, user's personal pages according to their roles in film production company. There are three main part of user interface: Pre- Production Mode, Production Mode and Post Production Mode. There are text fields, date fields, combo boxes, buttons and tables according to features of pages. Each user have to login the system, if user has not account, he/she have to register to the system. Then the account have to be confirmed by an authorized person. After confirmation operation, the user could login the system, then user is directed to him/her personal page. In personal pages, there are options according to user's role in company.

2.2 Mobile Application (MA)

Mobile Application is for all members of film production company. Users can create reports, they can see other reports which are created by other users, they can confirm reports, they can enter actor and actress information, etc in line with their roles in company.

3. ITEM PASS/FAIL CRITERIA

3.1 Exit Criteria

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

- 100% of the test cases are executed
- 95% of the test cases passed
- All High and Medium Priority test cases passed

4. REFERENCES

- [1] CankayaUniversity, "CankayaUniversity/ceng-407-408-project-megareji," *GitHub*. [Online]. Available: <https://github.com/CankayaUniversity/ceng-407-408-project-megareji/wiki/SRS>. [Accessed: 23-Oct-2018].
- [2] CankayaUniversity, "CankayaUniversity/ceng-407-408-project-megareji," *GitHub*. [Online]. Available: <https://github.com/CankayaUniversity/ceng-407-408-project-megareji/wiki/SDD>. [Accessed: 23-Oct-2018].

5. TEST DESIGN SPECIFICATIONS

5.1 Graphical User Interface (GUI)

5.1.1 Subfeatures to be tested

5.1.1.1 Login Button (GUI.LOGIN.BTN)

Users have to enter their email addresses or user name and password in order to login the system by selecting login button.

5.1.1.2 Register Button (GUI.REG.BTN)

If a user has not an account, he/she has to create an account, he/she has to enter his/her name, surname, email address and password in order to register the system by using register button.

5.1.1.3 Enter Actor/Actress Information Button (GUI.ENTER_ACT_INFO.BTN)

Production and director groups members can select enter actor/actress information button and enters actors or actress' information.

5.1.1.4 Save Actor/Actress Information Button (GUI.SAVE_ACT_INFO.BTN)

Production and director groups members enter actor/ actress information and save information by selecting save actor/actress information button.

5.1.1.5 Show All Request Reports Button (GUI.SHOW_ALL_REQ_REP.BTN)

Production and director groups members can select show all request reports button and they can see all request reports.

5.1.1.6 Confirm Actor/Actress Button (GUI.CONFIRM_ACT.BTN)

Production and director group members confirm actor/actress by selecting confirm actor/actress button.

5.1.1.7 Confirm Place Button (GUI.CONFIM_PLACE.BTN)

Production and director group members confirm the place where movie will be shot by selecting confirm place button.

5.1.1.8 Send Notification Button (GUI.SEND_NOT.BTN)

Director and stage group members can send notification to other members by using send notification button.

5.1.1.9 Offer Place Button (GUI.OFFER_PLACE.BTN)

Scenarist and director groups members can offer place by selecting offer place button.

5.1.1.10 Offer Actor/Actress Button (GUI.OFFER_ACT.BTN)

Scenarist and director groups members can offer actor/actress by selecting offer actor/actress button.

5.1.1.11 Write Scenario Button (GUI.WRITE_SCN.BTN)

Scenarist select write scenario button and they are directed to writing scenario page.

5.1.1.12 Create a Plan Button (GUI.CREATE_PLAN.BTN)

Director group members select create a plan button and they are directed to create plan page.

5.1.1.13 Create Request Report Button (GUI.CREATE_REQ_REP.BTN)

Sound, Display, Light and Art groups members select create request button and he/she is directed to create request report page.

5.1.1.14 Show Place Reports Button (GUI.SHOW_PLACE_REP.BTN)

Production and producer groups members select show place reports button and they are directed to place reports page.

5.1.1.15 Create Post Production Report Button (GUI.CREATE_POST_PROD_REP.BTN)

Post production group members select create post production report button and they are directed to create post production report page.

5.1.2 Test Cases

TC ID	Requirements	Priority	Scenario Description
GUILOGI N.BTN	5.1.1.1	H	Enter a valid user name or email address and password.
GUILREG. BTN	5.1.1.2	H	Enter name, surname, email address and password.
GUIENTE R_ACT_IN FO.BTN	5.1.1.3	H	Enter actor or actress information.
GUI.SAVE _ACT_INF O.BTN	5.1.1.4	H	After entering actor/actress information select save button.
GUI.SHO W_ALL_R EQ_REP.B TN	5.1.1.5	L	After selecting this button, user is directed to all request reports page.
GUI.CONF IRM_ACT. BTN	5.1.1.6	H	In order to confirm actor/actress offers, user selects this button.
GUI.CONF IM_PLAC E.BTN	5.1.1.7	H	In order to confirm place offers , user selects this button.
GUI.SEND _NOT.BTN	5.1.1.8	H	In order to reach send notification page, user selects this button.
GUI.OFFE R_PLACE.	5.1.1.9	H	In order to offer a place, user selects this button.

BTN			
GUI.OFFER_ACT.BUTTON	5.1.1.10	H	In order to offer an actor, user selects this button.
GUI.WRITE_SCN.BUTTON	5.1.1.11	H	In order to write scenario, user selects this button.
GUI.CREATE_PLAN.BUTTON	5.1.1.12	H	In order to create a plan, user selects this button, then system redirects the user to Create a Plan page.
GUI.CREATE_REQ_REP.BUTTON	5.1.1.13	H	In order to create a request report , user selects this button, then system redirects the user to Create a Request Report page.
GUI.SHOW_PLACE_REP.BUTTON	5.1.1.14	H	In order to see place reports, user selects this button and system redirects user to Show Place Reports page.
GUI.CREATE_POST_PROD_REPORT.BUTTON	5.1.1.15	H	In order to creater post production report, user selects this button and system redirects the user to Create Post Production Report page.

5.2 Mobile Application (MA)

5.2.1 Subfeatures to be tested

5.2.1.1 Control Email System (MA.CONT_EMAIL)

Controls whether email system works or not.

5.2.2 Test Cases

TC ID	Requirements	Priority	Scenario Description
MA.CONT_EMAIL	5.2.1.1	H	Checks sent emails and received emails work correctly or not.

6. Detailed Test Cases

6.1 GUI.LOGIN.BTN

TC_ID	GUI.LOGIN.BTN
Purpose	Enter a valid email address or user name and password
Requirements	5.1.1.1
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Enter the system.
Setup	User have to be in database.
Procedure	[A01] Go to login page.
	[A02] Enter a valid user name or email address.
	[A03] Enter the valid password for this user.
	[A04] Click on the “Login” button.
	[V01] Observe that the login is successful and the user page appears
	-
Cleanup	Logout

6.2 GUI.REG.BTN

TC_ID	GUI.REG.BTN
Purpose	Enter name, surname, email address and password.
Requirements	5.1.1.2
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Enter the system.
Setup	User have to be added in database.
Procedure	[A01] Go to register page.
	[A02] Enter name,surname, email address and password.
	[A03] Confirm password.
	[A04] Click on the “Register” button.
	[V01] Observe that the register is successful and the user page appears.
	-
Cleanup	Logout

6.3 GUI.ENTER_ACT_INFO.BTN

TC_ID	GUI.ENTER_ACT_INFO.BTN
Purpose	Enter actor/actress information to the system.
Requirements	5.1.1.3
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Go to Enter Actor/Actress page.
	[A02] Enter actor/actress information.
	[A03] Click “Save” button.
	[V01] Observe that the adding new actor/actress is successful.
	-
Cleanup	Logout

6.4 GUI.SAVE_ACT_INFO.BTN

TC_ID	GUI.SAVE_ACT_INFO.BTN
Purpose	Saving new actor/actress information.
Requirements	5.1.1.4
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Go to Enter Actor/Actress Information page.
	[A04] Click on the “Save” button.
	[V01] Observe that the adding new actor/actress is successful and the user page appears
	-
Cleanup	Logout

6.5 GUI.SHOW_ALL_REQ_REP.BTN

TC_ID	GUI.SHOW_ALL_REQ_REP.BTN
Purpose	Seeing all request reports.
Requirements	5.1.1.5
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click on the “Show All Request Reports” button.
	[A02] Go to Show All Request Reports page.
	[V01] Observe that the All Request Reports page appears.
	-
Cleanup	Logout

6.6 GUI.CONFIRM_ACT.BTN

TC_ID	GUI.CONFIRM_ACT.BTN
Purpose	Confirm appropriate actor/actress.
Requirements	5.1.1.6
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Go to Offer Actor/Actress Information page.
	[A02] If actor/actress is appropriate for the role click “Confirm Actor/Actress” button
	[V01] Observe that the actor/actress is confirmed.
	-
Cleanup	Logout

6.7 GUI.CONFIRM_PLACE.BTN

TC_ID	GUI.CONFIRM_PLACE.BTN
Purpose	Confirm appropriate place.
Requirements	5.1.1.7
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Go to Offer Place page.
	[A02] If the place is appropriate for the movie click “Confirm Place” button
	[V01] Observe that the place is confirmed.
	-
Cleanup	Logout

6.8 GUI.SEND_NOT.BTN

TC_ID	GUI.SEND_NOT.BTN
Purpose	Sending notification to other members of company.
Requirements	5.1.1.8
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Send Notification” button.
	[A02] Go to Send Notification page.
	[A03] Click Send button.
	[V01] Observe that the notification is sent.
	-
Cleanup	Logout

6.9 GUI.OFFER_PLACE.BTN

TC_ID	GUI.OFFER_PLACE.BTN
Purpose	Offering place for movie.
Requirements	5.1.1.9
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Offer Place” button.
	[A02] Go to Offer Place page.
	[A03] Offer a place.
	[A04] Click “Offer” button.
	[V01] Observe that the place is offered.
	-
Cleanup	Logout

6.10 GUI.OFFER_ACT.BTN

TC_ID	GUI.OFFER_ACT.BTN
Purpose	Offering actor/actress for movie.
Requirements	5.1.1.10
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
	[A01] Click “Offer Actor/Actress” button.
Procedure	[A01] Go to Offer Actor/Actress page.
	[A02] Offer an actor/actress.
	[A03] Click “Offer” button.
	[V01] Observe that the actor/actress is offered.
	-
Cleanup	Logout

6.11 GUI.WRITE_SCN.BTN

TC_ID	GUI.WRITE_SCN.BTN
Purpose	Writing scenario.
Requirements	5.1.1.11
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Write Scenario” button.
	[V01] Observe that the Write Scenario page is appeared.
	-
Cleanup	Logout

6.12 GUI.CREATE_PLAN.BTN

TC_ID	GUI.CREATE_PLAN.BTN
Purpose	Creating plan.
Requirements	5.1.1.12
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Create Plan” button.
	[A02] Create a plan on schedule.
	[A03] Click “Save” button.
	[V01] Observe that the plan is created.
	-
Cleanup	Logout

6.13 GUI.CREATE_REQ_REP.BTN

TC_ID	GUI.CREATE_REQ_REP.BTN
Purpose	Creating request reports.
Requirements	5.1.1.13
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Create Request Report” button.
	[A02] Create request report.
	[A03] Click “Save” button.
	[V01] Observe that the request report is created.
	-
Cleanup	Logout

6.14 GUI.SHOW_PLACE_REP.BTN

TC_ID	GUI.SHOW_PLACE_REP.BTN
Purpose	Seeing place reports.
Requirements	5.1.1.14
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Show Place Reports” button.
	[A02] Go to Show Place Reports page.
	[V01] Observe that the Show Place Report page appears.
	-
Cleanup	Logout

6.15 GUI.CREATE_POST_PROD_REP.BTN

TC_ID	GUI.CREATE_POST_PROD_REP.BTN
Purpose	Creating post production report.
Requirements	5.1.1.15
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Click “Create Post Production Report” button.
	[A02] Create post production report.
	[A03] Click “Save” button.
	[V01] Observe that the post production report is created.
	-
Cleanup	Logout

6.16 MA.EMAIL

TC_ID	MA.EMAIL
Purpose	Controls email system.
Requirements	5.2.1.1
Priority	High.
Estimated Time Needed	5 Minutes
Dependency	Login to the system.
Setup	User has to be in database and have permission to make changes on this page.
Procedure	[A01] Send email to a member of company.
	[V01] Observe that email is sent or not.
	-
Cleanup	Logout