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FACULTY OF ENGINEERING  
COMPUTER ENGINEERING DEPARTMENT**

**Test Plan, Test Design Specifications and Test Cases**  
Version 1

**CENG 408**  
Innovative System Design and Development II

**Hypercorrect: Academic Research  
Recommendation System**

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# 1. INTRODUCTION

## 1.1 Version Control

Version No	Description of Changes	Date
1.0	First Version	March 31, 2022

## 1.2 Overview

The SRS document's use case for Hypercorrect: Academic Research Recommendation System's users, namely member, non-member and admin will be tested.

## 1.3 Scope

Scope refers to the most recent edition of the System Requirements Specifications and System Design Document. This document contains the use case test plan, test design standards, and test cases that match to the test plan.

## 1.4 Terminology

Acronym	Definition
GUI	Graphical User Interface
LG	Login
SU	Sign Up
PR	Paper Recommendation
RS	Recommendation System
TP	Test Plan
SRS	Software Requirements Specification
SDD	Software Design Document
AI	Artificial Intelligence

## 2. FEATURES TO BE TESTED

This section identifies and briefly describes all of the primary features that will be tested. A Test Design Specification will be appended at the end of this document for each significant feature.

### 2.1 Member Operations

In addition to the conventional filters on the site, the member may do a customized filtering to see the papers that may be of interest. The number of papers you wish to see and the interest rate similarity are two of the criteria available. The member is also notified by e-mail when a new relevant article is published that may be of interest to the user. Members can vote on the papers and mark them as favorites. Members can access the paper's PDF and GitHub links if they are available.

### 2.2 Non-member Operations

Non-members are welcome to join the system. Non-members can also see papers by filtering them on the site and explore trending papers. Non-members can see the paper's PDF and, if available, GitHub links.

## 3. FEATURES NOT TO BE TESTED

We have not tested the system on mobile devices and tablets. As a web browser, we only tested on Google Chrome, we did not test it on other browsers.

## 4. ITEM PASS/FAIL CRITERIA

Describe the general rule to use to decide when a test case passes and when it fails.

### 4.1 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

## 5. REFERENCES

- [1] Group08\_SRS, March 31, 2022  
[https://github.com/CankayaUniversity/ceng-407-408-2021-2022-Academic-Research-Recommender-System/wiki/Software-Requirements-Specification-\(SRS\)](https://github.com/CankayaUniversity/ceng-407-408-2021-2022-Academic-Research-Recommender-System/wiki/Software-Requirements-Specification-(SRS))
- [2] Group08\_SDD, March 31, 2022  
[https://github.com/CankayaUniversity/ceng-407-408-2021-2022-Academic-Research-Recommender-System/wiki/Software-Design-Document-\(SDD\)](https://github.com/CankayaUniversity/ceng-407-408-2021-2022-Academic-Research-Recommender-System/wiki/Software-Design-Document-(SDD))
- [3] Group08\_ProjectReport, March 31, 2022  
[https://github.com/CankayaUniversity/ceng-407-408-2021-2022-Academic-Research-Recommender-System/blob/main/Documents/Project\\_Report\\_407.pdf](https://github.com/CankayaUniversity/ceng-407-408-2021-2022-Academic-Research-Recommender-System/blob/main/Documents/Project_Report_407.pdf)

## 6. TEST DESIGN SPECIFICATIONS

### 6.1 Member Operations

#### 6.1.1 Sub features to be tested

##### 6.1.1.1 Login (MO.LG)

When the "Login" button is pressed, the user who completes the registration process can log in to the system.

##### 6.1.1.2 Filter The Papers (MO.FP)

Members can filter papers using buttons.

##### 6.1.1.3 Edit Profile (MO.EP)

Members can change name, password etc. settings by pressing the "Save Changes" button.

##### 6.1.1.4 Vote The Papers (MO.VTP)

Members can vote the papers using the star icons.

##### 6.1.1.5 Add To Favorite (MO.AF)

Members can add papers to their favorites, using the "Add to Favorites" button.

##### 6.1.1.6 Show The Code (MO.SC)

Members can see the code using the "GitHub" button.

##### 6.1.1.7 View PDF (MO.VP)

Members can see the PDF using the "PDF" button.

##### 6.1.1.8 Receive E-mail (MO.RE)

Members can receive e-mail about the recommended papers.

##### 6.1.1.9 Set The Similarity Rate (MO.SSR)

Members can set the similarity rate from the recommendation threshold part in the Profile Page by pressing the "Save Changes" button.

#### 6.1.1.10 **Set The Number Of Papers (MO.STP)**

Members can set the number of papers from the maximum number of papers part in the Profile Page by pressing the "Save Changes" button.

#### 6.1.1.11 **Show The Papers You May Like (MO.SPL)**

Members can see the papers that recommended to them by clicking the "Recommend Me" button.

#### 6.1.1.12 **Show The Related Papers (MO.SRP)**

Members can see the related papers on the Paper Detail Page.

#### 6.1.1.13 **Show The My Favorites (MO.SMF)**

Members can see the papers that they have previously favorited by clicking the "Favorites" button.

### 6.1.2 Test Cases

Here list all the related test cases for this feature

TC ID	Requirements	Priority	Scenario Description
MO.LG.01	3.2.4.2	H	Enter a valid member e-mail address and password
MO.LG.02	3.2.4.2	H	Enter a valid member e-mail address and blank password
MO.LG.03	3.2.4.2	H	Enter blank member e-mail address and valid password
MO.LG.04	3.2.4.2	H	Enter a valid member e-mail address and invalid password
MO.LG.05	3.2.4.2	H	Enter an invalid member e-mail address and valid password
MO.LG.06	3.2.4.2	H	Enter invalid member e-mail address and password

TC ID	Requirements	Priority	Scenario Description
MO.FP.01	3.2.4.10	H	Enter the years with the correct format.
MO.FP.02	3.2.4.10	H	Enter the years with the incorrect format.
MO.FP.03	3.2.4.10	H	Press the newest check box to see the results from the newest to the oldest.
MO.FP.04	3.2.4.10	H	Press the best match check box to see the results from the most related to the least related.
MO.FP.05	3.2.4.10	H	Press the GitHub check box to see the results only have GitHub code.
TC ID	Requirements	Priority	Scenario Description
MO.EP.01	3.2.4.4	L	Enter the username with correct format and click the save button.
MO.EP.02	3.2.4.4	L	Enter the username with incorrect format and click the save button.
MO.EP.03	3.2.4.4	H	Enter the e-mail with correct format and click the save button.
MO.EP.04	3.2.4.4	H	Enter the e-mail with incorrect format and click the save button.
MO.EP.05	3.2.4.4	H	Enter the password with correct format and click the save button.
MO.EP.06	3.2.4.4	H	Enter the password with incorrect format and click the save button.
TC ID	Requirements	Priority	Scenario Description
MO.VTP.01	3.2.4.7	M	Click the star icons for vote the papers.



TC ID	Requirements	Priority	Scenario Description
MO.AF.01	3.2.4.11	M	Click the “Add to Favorites” button for add the paper to their favorites.
TC ID	Requirements	Priority	Scenario Description
MO.SC.01	3.2.4.12	L	Click the “GitHub” button to redirect to GitHub page of the paper.
TC ID	Requirements	Priority	Scenario Description
MO.VP.01	3.2.4.13	H	Click the “PDF” button to redirect to PDF page of the paper.
TC ID	Requirements	Priority	Scenario Description
MO.RE.01	3.2.4.5	H	Click the check box to get an e-mail for paper recommendation.
MO.RE.02	3.2.4.5	H	Unclick the check box to not get an e-mail for paper recommendation.
TC ID	Requirements	Priority	Scenario Description
MO.SSR.01	3.2.4.14	H	Fill the box with number that in a correct format and click the “Save changes” button.
MO.SSR.02	3.2.4.14	H	Fill the box with number that in an incorrect format and click the “Save changes” button.
MO.SSR.03	3.2.4.14	H	Leave the box in default format and click the “Save changes” button.
TC ID	Requirements	Priority	Scenario Description
MO.STP.01	3.2.4.15	M	Fill the box with number that in a correct format and click the “Save changes” button.
MO.STP.02	3.2.4.15	M	Fill the box with number that in an incorrect format and click the “Save changes” button.

MO.STP.03	3.2.4.15	M	Leave the box in default format and click the “Save changes” button.
<b>TC ID</b>	<b>Requirements</b>	<b>Priority</b>	<b>Scenario Description</b>
MO.SPL.01	3.2.4.8	H	Click the “Recommend Me” button to show recommended papers.
<b>TC ID</b>	<b>Requirements</b>	<b>Priority</b>	<b>Scenario Description</b>
MO.SRP.01	3.2.4.6	H	Click the title of the paper to see related papers under the paper detail.
<b>TC ID</b>	<b>Requirements</b>	<b>Priority</b>	<b>Scenario Description</b>
MO.SMF.01	3.2.4.11	M	Click the “Favorites” button to see the papers that previously favorited by member.

## 6.2 Non-member Operations

### 6.2.1 Sub features to be tested

#### 6.2.1.1 Sign Up (NMO.SU)

Non-members who press the "Register" button after entering the necessary information can become a member of the system.

#### 6.2.1.2 Filter The Papers (NMO.FP)

Non-members can filter papers using buttons.

#### 6.2.1.3 Show The Code (NMO.SC)

Non-members can see the code using the "GitHub" button.

#### 6.2.1.4 View PDF (NMO.VP)

Non-members can see the PDF using the "PDF" button.

#### 6.2.1.5 Show The Related Papers (MO.SRP)

Members can see the related papers on the Paper Detail Page.

### 6.2.2 Test Cases

Here list all the related test cases for this feature

TC ID	Requirements	Priority	Scenario Description
NMO.SU.01	3.2.4.1	H	Enter a valid e-mail address, username and password.
NMO.SU.02	3.2.4.1	H	Enter at least one of the following elements e-mail address, username or password incorrectly.
NMO.SU.03	3.2.4.1	H	Leave blank at least one of the following elements e-mail address, username or password.

TC ID	Requirements	Priority	Scenario Description
NMO.FP.01	3.2.4.10	H	Enter the years with the correct format.
NMO.FP.02	3.2.4.10	H	Enter the years with the incorrect format.
NMO.FP.03	3.2.4.10	H	Press the “Newest” check box to see the results from the newest to the oldest.
NMO.FP.04	3.2.4.10	H	Press the “Best Match” check box to see the results from the most related to the least related.
NMO.FP.05	3.2.4.10	H	Press the “GitHub” check box to see the results only have GitHub code.
TC ID	Requirements	Priority	Scenario Description
NMO.SC.01	3.2.4.12	L	Click the “GitHub” button to redirect to GitHub page of the paper.
TC ID	Requirements	Priority	Scenario Description
NMO.VP.01	3.2.4.13	H	Click the “PDF” button to redirect to PDF page of the paper.
TC ID	Requirements	Priority	Scenario Description
NMO.SRP.01	3.2.4.6	H	Click the title of the paper to see related papers under the paper detail.

## 7. Detailed Test Cases

### 7.1 MO.LG.01

<b>TC_ID</b>	MO.LG.01
<b>Purpose</b>	Enter a valid member e-mail address and password.
<b>Requirements</b>	3.2.4.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Register test cases should pass.
<b>Setup</b>	A member should be created.Database connection should be satisfied.
<b>Procedure</b>	[A01] Go to Sign Up Page.
	[A02] Click the “Login”.
	[A03] Enter a valid member e-mail address.
	[A04] Enter the valid password for this member.
	[A05] Click on the “Login” button.
	[V01] Observe that the login is successful and the Profile Page appears.
<b>Cleanup</b>	Logout

### 7.2 MO.LG.02

<b>TC_ID</b>	MO.LG.02
<b>Purpose</b>	Enter a valid member e-mail address and blank password.
<b>Requirements</b>	3.2.4.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Register test cases should pass.
<b>Setup</b>	A member should be created.Database connection should be satisfied.
<b>Procedure</b>	[A01] Go to Sign Up Page.
	[A02] Click the “Login”.
	[A03] Enter a valid member e-mail address.
	[A04] Leave password area blank.
	[A05] Click on the “Login” button.
	[V01] Observe that the login is unsuccessful and warning message will be shown
<b>Cleanup</b>	Refresh the page.

### 7.3 MO.LG.03

<b>TC_ID</b>	MO.LG.03
<b>Purpose</b>	Enter blank member e-mail address and valid password.
<b>Requirements</b>	3.2.4.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Register test cases should pass.
<b>Setup</b>	A member should be created. Database connection should be satisfied.
<b>Procedure</b>	[A01] Go to Sign Up Page.
	[A02] Click the “Login”.
	[A03] Leave member e-mail area blank.
	[A04] Enter the valid password for this member.
	[A05] Click on the “Login” button.
	[V01] Observe that the login is unsuccessful and warning message will be shown.
<b>Cleanup</b>	Refresh the page.

### 7.4 MO.LG.04

<b>TC_ID</b>	MO.LG.04
<b>Purpose</b>	Enter a valid member e-mail address and invalid password.
<b>Requirements</b>	3.2.4.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Register test cases should pass.
<b>Setup</b>	A member should be created. Database connection should be satisfied.
<b>Procedure</b>	[A01] Go to Sign Up Page.
	[A02] Click the “Login”.
	[A03] Enter a valid member e-mail address.
	[A04] Enter the invalid password for this member.
	[A05] Click on the “Login” button.
	[V01] Observe that the login is unsuccessful and warning message will be shown.
<b>Cleanup</b>	Refresh the page.

## 7.5 MO.LG.05

<b>TC_ID</b>	MO.LG.05
<b>Purpose</b>	Enter an invalid member e-mail address and valid password.
<b>Requirements</b>	3.2.4.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Register test cases should pass.
<b>Setup</b>	A member should be created. Database connection should be satisfied.
<b>Procedure</b>	[A01] Go to Sign Up Page.
	[A02] Click the “Login”.
	[A03] Enter an invalid member e-mail address.
	[A04] Enter the valid password for this member.
	[A05] Click on the “Login” button.
	[V01] Observe that the login is unsuccessful and warning message will be shown.
<b>Cleanup</b>	Refresh the page.

## 7.6 MO.LG.06

<b>TC_ID</b>	MO.LG.06
<b>Purpose</b>	Enter invalid member e-mail address and password.
<b>Requirements</b>	3.2.4.2
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Register test cases should pass.
<b>Setup</b>	A member should be created. Database connection should be satisfied.
<b>Procedure</b>	[A01] Go to Sign Up Page.
	[A02] Click the “Login”.
	[A03] Enter an invalid member e-mail address.
	[A04] Enter an invalid password for this member.
	[A05] Click on the “Login” button.
	[V01] Observe that the login is unsuccessful and warning message will be shown.
<b>Cleanup</b>	Logout

## 7.7 MO.FP.01

<b>TC_ID</b>	MO.FP.01
<b>Purpose</b>	Enter the years with the correct format.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	A member should be created.
<b>Procedure</b>	[A01] Enter the valid years.
	[V01] Observe recommended papers for the years with the correct format on Searching Page.
<b>Cleanup</b>	Refresh the page.

## 7.8 MO.FP.02

<b>TC_ID</b>	MO.FP.02
<b>Purpose</b>	Enter the years with the incorrect format.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	A member should be created.
<b>Procedure</b>	[A01] Enter the invalid year(s).
	[V01] Observe recommended papers for the years with incorrect format on Searching Page.
<b>Cleanup</b>	Refresh the page.



## 7.9 MO.FP.03

<b>TC_ID</b>	MO.FP.03
<b>Purpose</b>	Press the “newest” check box to see the results from the newest to the oldest.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	30 Seconds.
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	A member should be created.
<b>Procedure</b>	[A01] Press the “newest” check box.
	[V01] Observe the recommended papers from the newest to the oldest on Searching Page.
<b>Cleanup</b>	Refresh the page.

## 7.10 MO.FP.04

<b>TC_ID</b>	MO.FP.04
<b>Purpose</b>	Press the “best match” check box to see the results from the most related to the least related.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	30 Seconds.
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	A member should be created.
<b>Procedure</b>	[A01] Press the “best match” check box.
	[V01] Observe the recommended papers from the most related to the least related on Searching Page.
<b>Cleanup</b>	Refresh the page.

## 7.11 MO.FP.05

<b>TC_ID</b>	MO.FP.05
<b>Purpose</b>	Press the “GitHub” check box to see the results only have GitHub code.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	A member should be created.
<b>Procedure</b>	[A01] Press the “GitHub” check box.
	[V01] Observe recommended papers only those who have GitHub code.
<b>Cleanup</b>	Refresh the page.

## 7.12 MO.EP.01

<b>TC_ID</b>	MO.EP.01
<b>Purpose</b>	Enter the username with correct format and click the “Save Changes” button.
<b>Requirements</b>	3.2.4.4
<b>Priority</b>	Low.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Profile” button.
	[A02] Press on username item to change its settings.
	[A03] Type the username with accurate format.
	[A04] Click “Save Changes” button.
	[V01] Observe that change is successful and the system’s successful message.
<b>Cleanup</b>	Refresh the page.

### 7.13 MO.EP.02

<b>TC_ID</b>	MO.EP.02
<b>Purpose</b>	Enter the username with incorrect format and click the “Save Changes” button.
<b>Requirements</b>	3.2.4.4
<b>Priority</b>	Low.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass..
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Profile” button.
	[A02] Press on username item to change its settings.
	[A03] Type the username with wrong format.
	[A04] Click “Save Changes” button.
	[V01] Observe that change is unsuccessful and the system’s warning message.
<b>Cleanup</b>	Go through procedure again with accurate format.

### 7.14 MO.EP.03

<b>TC_ID</b>	MO.EP.03
<b>Purpose</b>	Enter the e-mail with correct format and click the “Save Changes” button.
<b>Requirements</b>	3.2.4.4
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Profile” button.
	[A02] Press on email item to change its settings.
	[A03] Type the email with accurate format.
	[A04] Click “Save Changes” button.
	[V01] Observe that change is successful and the system’s successful message.
<b>Cleanup</b>	Refresh the page.

## 7.15 MO.EP.04

<b>TC_ID</b>	MO.EP.04
<b>Purpose</b>	Enter the e-mail with incorrect format and click the save button.
<b>Requirements</b>	3.2.4.4
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Profile” button.
	[A02] Press on email item to change its settings.
	[A03] Type the email with wrong format.
	[A04] Click “Save Changes” button.
	[V01] Observe that change is unsuccessful and the system’s warning message.
<b>Cleanup</b>	Go through procedure again with accurate format.

## 7.16 MO.EP.05

<b>TC_ID</b>	MO.EP.05
<b>Purpose</b>	Enter the password with correct format and click the save button.
<b>Requirements</b>	3.2.4.4
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Profile” button.
	[A02] Press on password item to change its settings.
	[A03] Type the password with wrong format.
	[A04] Click “Save Changes” button.
	[V01] Observe that change is successful and the system’s successful message.
<b>Cleanup</b>	Refresh the page.

## 7.17 MO.EP.06

<b>TC_ID</b>	MO.EP.06
<b>Purpose</b>	Enter the password with incorrect format and click the save button.
<b>Requirements</b>	3.2.4.4
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Profile” button.
	[A02] Press on password item to change its settings.
	[A03] Type the password with wrong format.
	[A04] Click “Save Changes” button.
	[V01] Observe that change is unsuccessful and the system’s warning message.
<b>Cleanup</b>	Go through procedure again with accurate format.

## 7.18 MO.VTP.01

<b>TC_ID</b>	MO.VTP.01
<b>Purpose</b>	Click the star icons for vote the papers.
<b>Requirements</b>	3.2.4.7
<b>Priority</b>	Medium.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Sign Up Page and Home Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click stars.
	[V01] Observe that system finds and shows the new average star.
<b>Cleanup</b>	-

## 7.19 MO.AF.01

<b>TC_ID</b>	MO.AF.01
<b>Purpose</b>	Click the “Add to Favorites” button for add the paper to their favorites.
<b>Requirements</b>	3.2.4.11
<b>Priority</b>	Medium.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Sign Up Page and Home Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Add to Favorites” button.
	[V01] Observe that system’s successful message.
<b>Cleanup</b>	-

## 7.20 MO.SC.01

<b>TC_ID</b>	MO.SC.01
<b>Purpose</b>	Click the “GitHub” button to redirect to GitHub page of the paper.
<b>Requirements</b>	3.2.4.12
<b>Priority</b>	Low.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “Show the Code” button.
	[V01] Observe that the system redirects to the GitHub page.
<b>Cleanup</b>	Leave current GitHub page.

## 7.21 MO.VP.01

<b>TC_ID</b>	MO.VP.01
<b>Purpose</b>	Click the “PDF” button to redirect to PDF page of the paper.
<b>Requirements</b>	3.2.4.13
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Database connection should be setup. A member should be created.
<b>Procedure</b>	[A01] Click “PDF” button.
	[V01] Observe that the system redirects to the PDF page.
<b>Cleanup</b>	Leave current PDF page.

## 7.22 MO.RE.01

<b>TC_ID</b>	MO.RE.01
<b>Purpose</b>	Click the check box to get an e-mail for paper recommendation.
<b>Requirements</b>	3.2.4.5
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	20 Seconds
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Turns on the option to receive e-mail.
	[A03] Enter the filters.
	[V01] Observe that the member receives e-mails about the current papers that match the member’s interests and member’s filters.
	[V02] Observe that the member receives e-mails about the current papers that match the member’s interests in default filters if member does not apply filters.
<b>Cleanup</b>	Exit the page

## 7.23 MO.RE.02

<b>TC_ID</b>	MO.RE.02
<b>Purpose</b>	Unclick the check box to not get an e-mail for paper recommendation.
<b>Requirements</b>	3.2.4.5
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	20 Seconds
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Turns on the option to receive e-mail.
	[A03] Enter the filters.
	[V01] Observe that the member does not receive e-mails about the current papers that match the member's interests.
<b>Cleanup</b>	Exit the page

## 7.24 MO.SSR.01

<b>TC_ID</b>	MO.SSR.01
<b>Purpose</b>	Fill the box with number that in a correct format and click the "Save Changes" button.
<b>Requirements</b>	3.2.4.14
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Enter the similarity rate.
	[A03] Click the "Save Changes" button.
	[V02] Observe that the similarity rate setting is successful.
<b>Cleanup</b>	Logout



## 7.25 MO.SSR.02

<b>TC_ID</b>	MO.SSR.02
<b>Purpose</b>	Fill the box with number that in an incorrect format and click the “Save Changes” button.
<b>Requirements</b>	3.2.4.14
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Enter the similarity rate.
	[A03] Click the “Save Changes” button.
	[V01] Observe that the similarity rate setting is not successful.
<b>Cleanup</b>	Logout

## 7.26 MO.SSR.03

<b>TC_ID</b>	MO.SSR.03
<b>Purpose</b>	Leave the box in default format and click the “Save changes” button.
<b>Requirements</b>	3.2.4.14
<b>Priority</b>	High.
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Click the “Save Changes” button.
	[V01] Observe that the similarity rate remains the same as default.
<b>Cleanup</b>	-

## 7.27 MO.STP.01

<b>TC_ID</b>	MO.STP.01
<b>Purpose</b>	Fill the box with number that in a correct format and click the “Save Changes” button.
<b>Requirements</b>	3.2.4.15
<b>Priority</b>	Medium
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Enter the maximum number of papers.
	[A03] Click the “Save Changes” button.
	[V01] Observe that the maximum number of papers setting is successful.
<b>Cleanup</b>	Logout

## 7.28 MO.STP.02

<b>TC_ID</b>	MO.STP.02
<b>Purpose</b>	Fill the box with number that in an incorrect format and click the “Save changes” button.
<b>Requirements</b>	3.2.4.15
<b>Priority</b>	Medium
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Enter the maximum number of papers.
	[A03] Click the “Save Changes” button.
	[V01] Observe that the maximum number of papers setting is not successful.
<b>Cleanup</b>	Logout

## 7.29 MO.STP.03

<b>TC_ID</b>	MO.STP.03
<b>Purpose</b>	Leave the box in default format and click the “Save Changes” button.
<b>Requirements</b>	3.2.4.15
<b>Priority</b>	Medium
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Go to Profile Page.
	[A02] Click the “Save Changes” button.
	[V01] Observe that the maximum number of papers remains the same as default.
<b>Cleanup</b>	-

## 7.30 MO.SPL.01

<b>TC_ID</b>	MO.SPL.01
<b>Purpose</b>	Click the “Recommend Me” button to show recommended papers.
<b>Requirements</b>	3.2.4.8
<b>Priority</b>	High
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Click the “Recommend Me” button.
	[V01] Observe that Papers You May Like Page opens, recommended papers will be shown.
<b>Cleanup</b>	Logout

### 7.31 MO.SRP.01

<b>TC_ID</b>	MO.SRP.01
<b>Purpose</b>	Click the title of the paper to see related papers under the paper detail.
<b>Requirements</b>	3.2.4.6
<b>Priority</b>	High
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page and Searching Page test cases should pass.
<b>Setup</b>	Database connection should be created.
<b>Procedure</b>	[A01] Click the title of the paper.
	[V01] Observe that Paper Detail Page opens, related papers will be shown under the paper's detail part.
<b>Cleanup</b>	-

### 7.32 MO.SMF.01

<b>TC_ID</b>	MO.SMF.01
<b>Purpose</b>	Click the "Favorites" button to see the papers that previously favorited by member.
<b>Requirements</b>	3.2.4.11
<b>Priority</b>	Medium
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Sign Up Page test cases should pass.
<b>Setup</b>	Member must be registered and logged in to the system. Database connection should be created.
<b>Procedure</b>	[A01] Click the "Favorites" button.
	[V01] Observe that My Favorites Page opens, papers that previously favorited by member will be shown.
<b>Cleanup</b>	Logout

### 7.33 NMO.SU.01

<b>TC_ID</b>	NMO.SU.01
<b>Purpose</b>	Enter a valid e-mail address, username and password.
<b>Requirements</b>	3.2.4.1
<b>Priority</b>	High
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Open the website to reach Sign Up Page
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Go to Sign Up page.
	[A02] Enter a valid username.
	[A03] Enter the valid e-mail address for this user.
	[A04] Enter the valid password for this user.
	[A05] Click on the “Sign Up” button.
	[V01] Observe that the sign up is successful and Profile Page appears
<b>Cleanup</b>	Refresh the page

### 7.34 NMO.SU.02

<b>TC_ID</b>	NMO.SU.02
<b>Purpose</b>	Enter at least one of the following elements e-mail address, username or password incorrectly.
<b>Requirements</b>	3.2.4.1
<b>Priority</b>	High
<b>Estimated Time Needed</b>	1 Minute
<b>Dependency</b>	Open the website to reach Sign Up Page
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Go to Sign Up page.
	[A02] Enter a valid username.
	[A03] Enter the e-mail, username or password incorrectly.
	[A04] Click on the “Sign Up” button.
	[V01] Observe that the sign up is unsuccessful and warning message will be appeared.
<b>Cleanup</b>	Go through procedure again with accurate format.

### 7.35 NMO.SU.03

<b>TC_ID</b>	NMO.SU.03
<b>Purpose</b>	Leave blank at least one of the following elements e-mail address, username or password.
<b>Requirements</b>	3.2.4.1
<b>Priority</b>	High
<b>Estimated Time Needed</b>	45 Seconds
<b>Dependency</b>	Open the website to reach Sign Up Page
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Go to Sign Up page.
	[A02] Enter a valid username.
	[A03] Do not enter the e-mail, username or password.
	[A04] Click on the “Sign Up” button.
	[V01] Observe that the sign up is unsuccessful and warning message will be appeared.
<b>Cleanup</b>	Go through procedure again with accurate format.

### 7.36 NMO.FP.01

<b>TC_ID</b>	NMO.FP.01
<b>Purpose</b>	Enter the years with the correct format.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High
<b>Estimated Time Needed</b>	20 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Enter the years with correct format to the boxes.
	[V01] Observe that results will be shown by the year that were typed.
<b>Cleanup</b>	Page refreshes

### 7.37 NMO.FP.02

<b>TC_ID</b>	NMO.FP.02
<b>Purpose</b>	Enter the years with the incorrect format.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High
<b>Estimated Time Needed</b>	20 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
	[A01] Enter the years with incorrect format to the boxes.
	[V01] Observe that results will not be shown and warning message will be appeared.
<b>Cleanup</b>	Page refreshes

### 7.38 NMO.FP.03

<b>TC_ID</b>	NMO.FP.03
<b>Purpose</b>	Press the “Newest” check box to see the results from the newest to the oldest.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High
<b>Estimated Time Needed</b>	10 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
	[A01] Press the newest check box.
	[V01] Observe that results will be shown from the newest to the oldest.
<b>Cleanup</b>	Page refreshes

### 7.39 7.7 NMO.FP.04

<b>TC_ID</b>	NMO.FP.04
<b>Purpose</b>	Press the “Best Match” check box to see the results from the most related to the least related.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High
<b>Estimated Time Needed</b>	10 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
	[A01] Press the best match check box.
	[V01] Observe that results will be shown from most related to the least related.
<b>Cleanup</b>	Page refreshes

### 7.40 NMO.FP.05

<b>TC_ID</b>	NMO.FP.05
<b>Purpose</b>	Press the “GitHub” check box to see the results only have GitHub code.
<b>Requirements</b>	3.2.4.10
<b>Priority</b>	High
<b>Estimated Time Needed</b>	10 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Press the “GitHub” check box.
	[V01] Observe that results only have GitHub code..
<b>Cleanup</b>	Page refreshes



#### 7.41 NMO.SC.01

<b>TC_ID</b>	NMO.SC.01
<b>Purpose</b>	Click the “GitHub” button to redirect to GitHub page of the paper.
<b>Requirements</b>	3.2.4.12
<b>Priority</b>	Low
<b>Estimated Time Needed</b>	30 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Press the “GitHub” button.
	[V01] Go to GitHub page of the paper.
<b>Cleanup</b>	Leave current GitHub page.

#### 7.42 NMO.VP.01

<b>TC_ID</b>	NMO.VP.01
<b>Purpose</b>	Click the “PDF” button to redirect to PDF page of the paper.
<b>Requirements</b>	3.2.4.13
<b>Priority</b>	High
<b>Estimated Time Needed</b>	15 Seconds
<b>Dependency</b>	Home Page test cases should pass.
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Click the “PDF” button.
	[V01] Go to PDF page of the paper.
<b>Cleanup</b>	Leave current GitHub page.

## 7.43 NMO.SRP.01

<b>TC_ID</b>	NMO.SRP.01
<b>Purpose</b>	Click the title of the paper to see related papers under the paper detail.
<b>Requirements</b>	3.2.4.6
<b>Priority</b>	High
<b>Estimated Time Needed</b>	15 Seconds
<b>Dependency</b>	Home Page and Search Result Page test cases should pass.
<b>Setup</b>	Server must be running.
<b>Procedure</b>	[A01] Click the title of the paper
	[V01] Go to the paper's page.
<b>Cleanup</b>	-

## 8. Test Results

Test implementations will be added soon.