



MÄLARDALENS HÖGSKOLA

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# Link Analysis Tool

## Test Report

Version 1.4

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Link Analysis Tool	Version: 1.4
Test Report	Date: 2010-12-24

## Revision History

Date	Version	Description	Author
2010-12-16	1.0	Initial Draft	Seyed Morteza Hosseini
2010-12-18	1.1	Enter test case	Seyed Morteza Hosseini
2010-12-19	1.2	Add some test case	Seyed Morteza Hosseini
2010-12-22	1.3	Adding some test case	Seyed Morteza Hosseini
2010-12-24	1.4	Adding test case	Seyed Morteza Hosseini

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## Introduction

### Purpose of this document

The purpose of this document is to register test results and inform intended audience which were performed according to the project Acceptance Test Plan document.

### Document organization

The document is organized as follows:

- Section 1, *Introduction*, describes contents of this document.
- Section 2, *Test case results*, contains a table for each set of test cases

### Intended Audience

This document is intended for:

- All team members.
- Project supervisor.
- Customer.

### Scope

The scope of this document covers test results of test cases defined in the Acceptance Test Plan and results and testing using software testing tools.

## Definitions and acronyms

### Definitions

Keyword	Definitions
Side effect (clean up)	e.g when you create a user for testing create user ,after testing you have to delete that user actually you have to clean up the system and returns it to condition before test.

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### Acronyms and abbreviations

Acronym or abbreviation	Definitions
SMH	Syed Morteza Hosseini
L	Login
TDT	Test Design Technique
Com	Compatible
IE	Internet Explorer
LSec	Login Security
Sh	Searching

### References

- Acceptance test plan

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### Test case results

Test Group	<i>Login</i>
Test case ID	<i>L1.1</i>
Test case name	<i>AllLoginFieldsHaveValue</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet</i>
Project version	
Assumption	<i>A browser has already installed on client. A proper internet connection exists. User with username and password has already created.</i>
Pre-condition	
Input Data(valid)	<i>a-z,A-Z,0-9</i>
Input Data(invalid)	<i>SPACE</i>
Expected Result	<i>User should be able to login.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User could login.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>A valid user is going to login and fill username and password filed correctly.</i>

**Model, flow-chart, visual description (if any):**

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Test Group	<i>Login</i>
Test case ID	<i>L1.2</i>
Test case name	<i>AllLoginFieldsAreBlank</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet</i>
Project version	
Assumption	<i>A browser has already installed on client. A proper internet connection exists. User with empty username and password does not exist.</i>
Pre-condition	
Input Data(valid)	<i>Space</i>
Input Data(Invalid)	<i>a-z,A-Z,0-9</i>
Expected Result	<i>Username textbox should be active and both should be colourful and a proper message should alert to enter username and password.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User could not login.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Attempting to login without filling username and password filed.</i>

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Test Group	<i>Login</i>
Test case ID	<i>L1.3</i>
Test case name	<i>UsernameBlank</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet</i>
Project version	
Assumption	<i>A browser has already installed on client. A proper internet connection exists. User with empty username does not exist.</i>
Pre-condition	
Input Data(valid)	<i>Space</i>
Input Data(Invalid)	<i>a-z,A-Z,0-9</i>
Expected Result	<i>Username textbox should be active and colourful and a proper message should alert to enter username or user with blank username dose not exist.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User could not login.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>User is going to login just by filling password field without entering username.</i>



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Test Group	<i>Login</i>
Test case ID	<i>L1.4</i>
Test case name	<i>PasswordBlank</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet</i>
Project version	
Assumption	<i>A browser has already installed on client. A proper internet connection exists. User with empty password does not exist.</i>
Pre-condition	
Input Data(valid)	<i>Space</i>
Input Data(Invalid)	<i>a-z,A-Z,0-9</i>
Expected Result	<i>Password textbox should be active and colourful and a proper message should alert to enter password.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User could not login.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>User is going to login just by filling username field without entering password.</i>

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Test Group	<i>Login</i>
Test case ID	<i>L1.5</i>
Test case name	<i>InvalidUsername</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet</i>
Project version	
Assumption	<i>A browser has already installed on client. A proper internet connection exists. User with "TestUser" username does not exist.</i>
Pre-condition	
Input Data(valid)	<i>"TestUser"</i>
Input Data(invalid)	<i>a-z,A-Z,0-9</i>
Expected Result	<i>Username textbox should be active and colourful and a proper message should alert that user with this username does not exist.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User could not login.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>User is going to login with invalid username.</i>

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Test Group	<i>Login</i>
Test case ID	<i>L1.6</i>
Test case name	<i>InvalidPassword</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet</i>
Project version	
Assumption	<i>A browser has already installed on client. A proper internet connection exists. User with "Test" username and password "123" does not exist.</i>
Pre-condition	
Input Data(valid)	<i>Test,123</i>
Input Data(invalid)	<i>Every character except "Test" for username and "123" for password</i>
Expected Result	<i>Password textbox should be active and colourful and a proper message should alert that password is not correct.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User could not login.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>User is going to login with invalid password.</i>

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Test Group	<i>Compatible</i>
Test case ID	<i>Com1.1</i>
Test case name	<i>MainPageGoogleChromeCompatible</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/Google chrome</i>
Project version	
Assumption	<i>Google chrome browser has already installed. A proper internet connection exists.</i>
Pre-condition	
Input Data(valid)	-
Input Data(invalid)	-
Expected Result	<i>Main page should be displayed.</i>
Side-effect (clean-up)	-
Actual results	<i>Main page displayed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	-
Description	<i>Testing project is compatible with Google chrome browser.</i>

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Test Group	<i>Compatible</i>
Test case ID	<i>Com1.2</i>
Test case name	<i>MainPageInternetExplorerCompatible</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/IE</i>
Project version	
Assumption	<i>IE browser has already installed. A proper internet connection exists.</i>
Pre-condition	
Input Data(valid)	-
Input Data(invalid)	-
Expected Result	<i>Main page should be displayed.</i>
Side-effect (clean-up)	-
Actual results	<i>Main page displayed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	-
Description	<i>Testing project is compatible with IE browser.</i>

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Test Group	<i>Compatible</i>
Test case ID	<i>Com1.3</i>
Test case name	<i>MainPageMozillaCompatible</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla Firefox</i>
Project version	
Assumption	<i>Mozilla bowser has already installed. A proper internet connection exists.</i>
Pre-condition	
Input Data(valid)	-
Input Data(invalid)	-
Expected Result	<i>Main page should be displayed.</i>
Side-effect (clean-up)	-
Actual results	<i>Main page displayed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	-
Description	<i>Testing main page is compatible with Mozilla Firefox browser.</i>

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Test Group	<i>Compatible</i>
Test case ID	<i>Com1.4</i>
Test case name	<i>Search By MSISDN Number Level One in Mozilla</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla Firefox</i>
Project version	
Assumption	<i>Mozilla browser has already installed. A proper internet connection exists. A transaction with MSISDN number exist.</i>
Pre-condition	
Input Data(valid)	<i>505350507 for MSISDN number and 2010-09-15, 2010-09-16 for date</i>
Input Data(Invalid)	<i>Any number except 505350507 for MSISDN number and date should including at least one of these two dates 2010-09-15 or 2010-09-16</i>
Expected Result	<i>Graph should be displayed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph displayed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Testing project searching by MSISDN number on depth level one is compatible with Mozilla Firefox browser.</i>

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Test Group	<i>Compatible</i>
Test case ID	<i>Com1.5</i>
Test case name	<i>Search By MSISDN Number Level One in IE</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ IE</i>
Project version	
Assumption	<i>IE - browser has already installed. A proper internet connection exists. A transaction with MSISDN number 505350507 exist.</i>
Pre-condition	
Input Data(valid)	<i>505350507 for MSISDN number and 2010-09-15, 2010-09-16 for date</i>
Input Data(Invalid)	<i>Any number except 505350507 for MSISDN number and date should including at least one of these two dates 2010-09-15 or 2010-09-16</i>
Expected Result	<i>Graph should be displayed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph displayed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Testing project searching by MSISDN number on depth level one is compatible with IE browser.</i>



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Test Group	<i>Compatible</i>
Test case ID	<i>Com1.6</i>
Test case name	<i>Search By MSISDN Number Level One in Google chrome</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Google chrome</i>
Project version	
Assumption	<i>Google chrome browser has already installed. A proper internet connection exists. A transaction with MSISDN number 505350507 exist.</i>
Pre-condition	
Input Data(valid)	<i>505350507 for MSISDN number and 2010-09-15, 2010-09-16 for date</i>
Input Data(Invalid)	<i>Any number except 505350507 for MSISDN number and date should including at least one of these two dates 2010-09-15 or 2010-09-16</i>
Expected Result	<i>Graph should be displayed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph displayed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Testing project searching by MSISDN number on depth level one is compatible with Google chrome browser.</i>

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Test Group	<i>Login Security</i>
Test case ID	<i>LSec1.1</i>
Test case name	<i>NumberOfEffortLogin_IE</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ IE</i>
Project version	
Assumption	<i>IE browser has already installed on client. Proper internet connection exists. User with "test" username and password dose not exist.</i>
Pre-condition	
Input Data(valid)	<i>test</i>
Input Data(invalid)	<i>Any char except "test"</i>
Expected Result	<i>Username and password field should be colourful and proper message should alert that username and password are not correct , so a security image should be displayed and give a message to user enter security code is showed in related place.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Page just refreshed.</i>
Pass/Fail	<i>Fail</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Enter wrong username or password 3 times.</i>

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Test Group	<i>Login Security</i>
Test case ID	<i>LSec1.2</i>
Test case name	<i>NumberOfEffortLogin_Mozilla</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>Mozilla browser has already installed on client. Proper internet connection exists. User with "test" username and password dose not exist.</i>
Pre-condition	
Input Data(valid)	<i>Test</i>
Input Data(invalid)	<i>Any char except "test"</i>
Expected Result	<i>Username and password field should be colourful and proper message should alert that username and password are not correct , so a security image should be displayed and give a message to user enter security code is showed in related place.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Page just refreshed.</i>
Pass/Fail	<i>Fail</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Enter wrong username or password 3 times.</i>

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Test Group	<i>Login Security</i>
Test case ID	<i>LSec1.3</i>
Test case name	<i>NumberOfEffortLogin_Google chrome</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Google chrome</i>
Project version	
Assumption	<i>Google chrome browser has already installed on client. Proper internet connection exists. User with "test" username and password dose not exist.</i>
Pre-condition	
Input Data(valid)	<i>Test</i>
Input Data(Invalid)	<i>Any char except "test"</i>
Expected Result	<i>Username and password field should be colourful and proper message should alert that username and password are not correct , so a security image should be displayed and give a message to user enter security code is showed in related place.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Page just refreshed.</i>
Pass/Fail	<i>Fail</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Enter wrong username or password 3 times.</i>

**Below test case are done automatically with Selenium IDE and all recorded tests are in DSD page:**

**L1.1, L1.2, L1.3, L1.4, L1.5, L.16**

**Com1.3, Com1.4**

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Test Group	<i>Login Security</i>
Test case ID	<i>LSec1.4</i>
Test case name	<i>SQLInjectionLogin</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>Yes</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	
Pre-condition	<i>Mozilla browser has already installed on client.</i> <i>Proper internet connection exists.</i>
Input Data(valid)	<i>Or 1=1 --</i>
Input Data(invalid)	<i>Any other char</i>
Expected Result	<i>Proper message should be alert that username or password is not correct and login should not be done.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Page refreshed and login didn't do.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Enter username or password with SQL Injection phrase.</i>

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Test Group	<i>Searching</i>
Test case ID	<i>Sh1.2</i>
Test case name	<i>FindingUserByInvalidMSISDN</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>Yes</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 123456789 MSISDN number should not exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>123456789</i>
Input Data(invalid)	<i>Any other char</i>
Expected Result	<i>Proper message should be alert that this MSISDN number is not valid.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Page refreshed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by invalid MSISDN number.</i>

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Test Group	<i>Searching</i>
Test case ID	<i>Sh1.3</i>
Test case name	<i>FindingUserByValidIMEI</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>Yes</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with XXX IMEI number exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>XXX</i>
Input Data(invalid)	<i>Any other char</i>
Expected Result	<i>Activity matrix should be display.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>User showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by IMEI number.</i>

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Test Group	<i>Searching</i>
Test case ID	<i>Sh1.4</i>
Test case name	<i>FindingUserByInvalidIMEI</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>Yes</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 123456789 IMEI number does not exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>123456789</i>
Input Data(invalid)	<i>Any other char</i>
Expected Result	<i>Graph should not display.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph isn't showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by invalid IMEI number.</i>



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Test Group	<i>Searching</i>
Test case ID	<i>Sh1.5</i>
Test case name	<i>FindingUserByValidName</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>Yes</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with "test" name exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>"test"</i>
Input Data(invalid)	<i>Any other name</i>
Expected Result	<i>Graph should display.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by valid name.</i>

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Test Group	<i>Searching</i>
Test case ID	<i>Sh1.6</i>
Test case name	<i>FindingUserByInvalidName</i>
Version	<i>1.0</i>
TDT used	<i>Negative test case</i>
Automated(yes/no)	<i>Yes</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with "notTest" name does not exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>"notTest"</i>
Input Data(invalid)	<i>Any other name</i>
Expected Result	<i>Graph should not display.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph isn't showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by Invalid name.</i>

## Conclusion