



MÄLARDALENS HÖGSKOLA

Link Analysis Tool

Test Report

Version 1.6

Link Analysis Tool	Version: 1.6
Test Report	Date: 2011-01-08

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
2010-12-26	1.5	Adding test case	Seyed Morteza Hosseini
2011-01-08	1.6	Editing some test cases and add some new test cases	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>yes</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>yes</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>Login don't do.</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>yes</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>User can not login.</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>yes</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.</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>yes</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>User should not be able to login.</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>yes</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 clear.</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>Yes</i>
Test environment	<i>Internet/ Mozilla Firefox</i>
Project version	
Assumption	<i>Mozilla 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 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>Yes</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. 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>1.1</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>A node with string has entered in MSISDN number created.</i>
Pass/Fail	<i>Failed</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>Sh1.8</i>
Test case name	<i>FindingUserInDifferentPeriod</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 has activity in period including 2010-09-15 and 2010-09-16.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>Any period including these two dates 2010-09-15, 2010-09-16</i>
Input Data(invalid)	<i>Date excluding two dates 2010-09-16 and 2010-09-15</i>
Expected Result	<i>Graph should display.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph is showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user in different dates.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.1</i>
Test case name	<i>Zoom-In Graph</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	
Input Data(invalid)	
Expected Result	<i>Graph should zoom in.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph is zoom in.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>After searching and showing the graph user can zoom in the graph .</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.2</i>
Test case name	<i>Zoom-out Graph</i>
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	
Input Data(invalid)	
Expected Result	<i>Graph should zoom out.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph is zoom out.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>The graph will zoom out in smaller size.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.3</i>
Test case name	Remove Node
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	
Input Data(invalid)	
Expected Result	<i>The node remove from graph.</i>
Side-effect (clean-up)	-
Actual results	<i>The node removed.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	-
Description	<i>Removing a node from the graph.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.4</i>
Test case name	User details
Version	<i>1.0</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	Details of user exist.
Pre-condition	<i>Mozilla browser has already installed on client.</i> <i>Proper internet connection exists.</i>
Input Data(valid)	
Input Data(invalid)	
Expected Result	<i>The user details should show in separate window</i>
Side-effect (clean-up)	-
Actual results	<i>The user details showed in separate window</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	-
Description	<i>Details of user information such as fullname, address, etc will be showed.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.5</i>
Test case name	<i>ShowTransactionsVisually</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	
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	
Input Data(invalid)	
Expected Result	<i>Transactions of selected node should show in bold.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Transactions of selected node showed in bold.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Transactions of clicked node will show and lines and other nodes that have transaction with selected node are bolded.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.6</i>
Test case name	<i>HideTransactionsVisually</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	
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	
Input Data(invalid)	
Expected Result	<i>Lines between selected node and other nodes will return to normal form.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Lines between selected node and other nodes returned to normal form.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Transactions of clicked node will hide and lines and other nodes that have transaction with selected node will return to normal form.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.7</i>
Test case name	<i>TwoLevelSearch_MSISDN</i>
Version	<i>1.2</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 505350507 MSISDN number should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>505350507</i>
Input Data(invalid)	<i>Other numbers</i>
Expected Result	<i>Graph transaction should be showed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph transaction showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Search with MSISDN number in two level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.8</i>
Test case name	<i>ThreeLevelSearch_MSISDN</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 505350507 MSISDN number should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>505350507</i>
Input Data(invalid)	<i>Other numbers</i>
Expected Result	<i>Graph transaction should be showed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>There is no result.</i>
Pass/Fail	<i>failed</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Search with MSISDN number in three level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.9</i>
Test case name	<i>FourLevelSearch_MSISDN</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 505350507 MSISDN number should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>505350507</i>
Input Data(invalid)	<i>Other numbers</i>
Expected Result	<i>Graph transaction should be showed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>There is no result.</i>
Pass/Fail	<i>failed</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Search with MSISDN number in four level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.10</i>
Test case name	<i>FourLevelSearch_IMEI</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>no</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 505350507 MSISDN number should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>505350507</i>
Input Data(invalid)	<i>Other numbers</i>
Expected Result	<i>Graph transaction should be showed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>There is no result.</i>
Pass/Fail	<i>failed</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Search with IMEI number in four level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.11</i>
Test case name	<i>ThreeLevelSearch_IMEI</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 505350507 MSISDN number should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>505350507</i>
Input Data(invalid)	<i>Other numbers</i>
Expected Result	<i>Graph transaction should be showed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>There is no result.</i>
Pass/Fail	<i>failed</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Search with IMEI number in three level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.12</i>
Test case name	<i>TwoLevelSearch_IMEI</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with 505350507 MSISDN number should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>505350507</i>
Input Data(Invalid)	<i>Other numbers</i>
Expected Result	<i>Graph transaction should be showed.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>There is no result.</i>
Pass/Fail	<i>failed</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Search with IMEI number in two level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.13</i>
Test case name	<i>TwoLevelSearch_NAME</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with "Sabine Wannemaker" name should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>"Sabine Wannemaker"</i>
Input Data(invalid)	<i>Other names</i>
Expected Result	<i>Graph transaction should be showed.</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>Search with name in two level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.14</i>
Test case name	<i>ThreeLevelSearch_NAME</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with "Sabine Wannemaker" name should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>"Sabine Wannemaker"</i>
Input Data(invalid)	<i>Other names</i>
Expected Result	<i>Graph transaction should be showed.</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>Search with name in three level will be done.</i>

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Test Group	<i>Advance</i>
Test case ID	<i>Adv 1.15</i>
Test case name	<i>FourLevelSearch_NAME</i>
Version	<i>1.2</i>
TDT used	<i>Positive test case</i>
Automated(yes/no)	<i>No</i>
Test environment	<i>Internet/ Mozilla</i>
Project version	
Assumption	<i>User with "Sabine Wannemaker" name should exist and transaction for that user should exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>"Sabine Wannemaker"</i>
Input Data(invalid)	<i>Other names</i>
Expected Result	<i>Graph transaction should be showed.</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>Search with name in four level will be done.</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 420013500582082 IMEI number exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client. Proper internet connection exists.</i>
Input Data(valid)	<i>420013500582082</i>
Input Data(Invalid)	<i>Any other char</i>
Expected Result	<i>Graph should be display.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Transaction graph showed</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by IMEI number.</i>

Link Analysis Tool	Version: 1.6
Test Report	Date: 2011-01-08

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 a node with "undefined" text appear.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph isn't showed and a node with "undefined" text appeared.</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 Report	Date: 2011-01-08

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 " Sabine Wannemaker" name exist.</i>
Pre-condition	<i>Mozilla browser has already installed on client.</i> <i>Proper internet connection exists.</i>
Input Data(valid)	<i>" Sabine Wannemaker"</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>

Link Analysis Tool	Version: 1.6
Test Report	Date: 2011-01-08

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, and a node with "undefined" text should appear.</i>
Side-effect (clean-up)	<i>-</i>
Actual results	<i>Graph isn't showed , and a node with "undefined" text appeared.</i>
Pass/Fail	<i>Pass</i>
Tester	<i>SMH</i>
Remark	<i>-</i>
Description	<i>Find user by Invalid name.</i>