

BLACK BOX TEST PLAN

In this section, you must provide your black-box test plan with at least 5 black-box test cases.

Make sure:

- ✓ You describe how to setup the system to begin black-box testing
- ✓ Test IDs are uniquely identified and descriptive
- ✓ Test descriptions are fully specified with complete inputs, specific values, and preconditions
 - Be sure to provide SPECIFIC INPUTs and VALUEs so that your test cases are repeatable
- ✓ Expected results are fully specified with specific output values
- ✓ All tests cover scenarios based on the problem statement
- ✓ All tests cover unique scenarios for the system
- ✓ All strategies for black-box testing are demonstrated in the tests (ECP, BVA, DT)

Required files: **friends1.txt**

EMAIL_1,EMAIL_2,FRIENDED_TIMESTAMP
jason@email.com,jessica@email.com,08/01/2018 06:09:33
jason@email.com,shawnique@email.com,06/15/2018 13:40:39
jason@email.com,jamie@email.com,12/13/2018 00:34:18
jessica@email.com,shawnique@email.com,07/18/2018 00:44:00
jamie@email.com,david@email.com,07/22/2018 12:16:37
jessica@email.com,david@email.com,05/14/2018 06:57:14
shawnique@email.com,dustin@email.com,03/15/2018 00:25:28
shawnique@email.com,akond@email.com,04/17/2018 13:14:29
dustin@email.com,maria@email.com,04/16/2018 09:21:07
dustin@email.com,akond@email.com,04/11/2018 11:18:17
akond@email.com,maria@email.com,01/18/2018 17:38:19

friends2.txt

EMAIL_1,EMAIL_2,FRIENDED_TIMESTAMP
jason@email.com,jessica@email.com,08/01/2018 06:09:33
jason@email.com,jamie@email.com,12/13/2018 00:34:18
jamie@email.com,david@email.com,07/22/2018 12:16:37
jessica@email.com,david@email.com,05/14/2018 06:57:14
dustin@email.com,maria@email.com,04/16/2018 09:21:07
dustin@email.com,akond@email.com,04/11/2018 11:18:17
akond@email.com,maria@email.com,01/18/2018 17:38:19

In eclipse the User runs the SocialNetworkManager_UI.java as a java application.

Test ID	Description	Expected Results	Actual Results
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Test 1: validFriends Test (ECP)	<p>Start the program</p> <p>Enter in input file "test-files/friends1.txt"</p> <p>Enter in "f" to view potential friends</p> <p>Enter in user "jason@email.com"</p> <p><i>Check Results</i></p>	<p>Friend Suggestions for jason@email.com</p> <p>[akond@email.com david@email.com dustin@email.com]</p>	<p>Friend Suggestions for jason@email.com</p> <p>[akond@email.com david@email.com dustin@email.com]</p>
Test 2: invalidUserTest (ECP)	<p>Start the program</p> <p>Enter in input file "test-files/friends1.txt"</p> <p>Enter in "f" to view potential friends</p> <p>Enter in user "iamlost@email.com"</p> <p><i>Check Results</i></p>	<p>iamlost@email.com does not exist in the social network.</p>	<p>iamlost@email.com does not exist in the social network.</p>
Test 3: validConnections (ECP)	<p>Start the program</p> <p>Enter in input file "test-files/friends1.txt"</p> <p>Enter in "c" to view connections between two users</p> <p>Enter in "jamie@email.com dustin@email.com"</p> <p><i>Check Results</i></p>	<p>3 degrees of separation between jamie@email.com and dustin@email.com [</p> <p>jamie@email.com --> jason@email.com --> shawnique@email.com --> dustin@email.com]</p>	<p>3 degrees of separation between jamie@email.com and dustin@email.com [</p> <p>jamie@email.com --> jason@email.com --> shawnique@email.com --> dustin@email.com]</p>
Test 4: invalidConnections (BVA)	<p>Start the program</p> <p>Enter in input file "test-files/friends1.txt"</p> <p>Enter in "c" to view connections between two users</p> <p>Enter in "dustin@email.com dustin@email.com"</p>	<p>You must enter two different email addresses.</p>	<p>You must enter two different email addresses.</p>

	<i>Check Results</i>		
Test 5: noConnection Test (DT)	<p>Start the program</p> <p>Enter in input file "test-files/friends2.txt"</p> <p>Enter in "c" to view connections between two users</p> <p>Enter in "jason@email.com maria@email.com"</p> <p><i>Check Results</i></p>	<p>jason@email.com and maria@email.com are not connected in the social network</p>	<p>jason@email.com and maria@email.com are not connected in the social network</p>