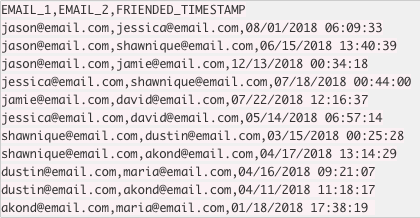
# **Black Box Test Plan**

Input File “friends.txt”



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| --- | --- | --- | --- |
| Test ID | Description | Expected Results | Actual Results |
| testStart  [ECP] | Preconditions: User knows how to start software and can locate input file.  User selects “Choose file”  User enters filename: “friends.txt”  *Check results* | The program has started, and prompts the user for a file name.  After choosing a file, the program prompts the user to either list suggested friends or degree of separation between users. | The program has started, and prompts the user for a file name.  After choosing a file, the program prompts the user to either list suggested friends or degree of separation between users. |
| testGenerateSuggestions  [ECP] | Preconditions: testStart  The user selects to generate a list of friend suggestions for a user.  *Check results*  The user types “[jason@email.com](mailto:jason@email.com)”  *Check results* | The program prompts the user for the email address of the friend.  The program prints:  “Friend Suggestion for [jason@email.com](mailto:jason@email.com) [  [akond@email.com](mailto:akond@email.com)  [david@email.com](mailto:david@email.com)  [dustin@email.com](mailto:dustin@email.com)  ] | The program prompts the user for the email address of the friend.  The program prints:  “Friend Suggestion for [jason@email.com](mailto:jason@email.com) [  [akond@email.com](mailto:akond@email.com)  [david@email.com](mailto:david@email.com)  [dustin@email.com](mailto:dustin@email.com)  ] |
| testInvalidEmail  [DT] | Precondtions: testStart  The user selects to generate a list of friend suggestions for a user.  *Check results*  The user types “[notinthelist@email.com](mailto:notinthelist@email.com)”  *Check results* | The program prompts the user for the email address of the friend.  The program prints: “[notinthelist@email.com](mailto:notinthelist@email.com) does not exist in the social network” | The program prompts the user for the email address of the friend.  The program prints: “[notinthelist@email.com](mailto:notinthelist@email.com) does not exist in the social network |
| testCalculateDegreesofSeparation  [ECP] | Precondtions: testStart  The user selects to calculate the degrees of separation between two users.  *Check results*  From “friends.txt,” the user types “[jamie@email.com](mailto:jamie@email.com)” and “dustin@email.com”  *Check results* | The program prompts the user for two emails to calculate degrees of separation between  The program prints:  “3 degrees of separation between [jamie@email.com](mailto:jamie@email.com) and [dustin@email.com](mailto:dustin@email.com) [  [jamie@email.com](mailto:jamie@email.com)  → [jason@email.com](mailto:jason@email.com)  → [shawnique@email.com](mailto:shawnique@email.com)  -->dustin@email.com | The program prompts the user for two emails to calculate degrees of separation between  The program prints:  “3 degrees of separation between [jamie@email.com](mailto:jamie@email.com) and [dustin@email.com](mailto:dustin@email.com) [  [jamie@email.com](mailto:jamie@email.com)  → [jason@email.com](mailto:jason@email.com)  → [shawnique@email.com](mailto:shawnique@email.com)  -->dustin@email.com |
| testBoundaryForSuggestion  [BV] | Preconditions: testStart  The user selects to generate a list of friend suggestions for a user.  *Check results*  The user enters “twofriends.txt”  *Check results* | The program prompts the user for the email address of the friend.  The program prints: “No friend suggestions for jason@email.com” | The program prompts the user for the email address of the friend.  The program prints: “No friend suggestions for jason@email.com” |