

Test Plan

Last Revision Date: 12/10/11

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1.0 Purpose

This test plan is to test a social networking platform for active people.

2.0 Unit Testing

2.1 User Module: This module maintains all data manipulation of variables related to the current user.

2.1.1 Equivalence classes:

2.1.1.1 "first_name"

2.1.1.1.1 A string with length greater than or equal to 1 and less than 256 – Acceptable

2.1.1.1.2 A string with length equal to 0 or greater than 256 – Error

2.1.1.2 "last_name"

2.1.1.2.1 A string with length greater than or equal to 1 and less than 256 – Acceptable

2.1.1.2.2 A string with length equal to 0 or greater than 256 – Error

2.1.1.3 "street"

2.1.1.3.1 A string with length greater than or equal to 1 and less than 256 – Acceptable

2.1.1.3.2 A string with length equal to 0 or greater than 256 – Error

2.1.1.4 “city”

2.1.1.4.1 A string with length greater than or equal to 1 and less than 256 – Acceptable

2.1.1.4.2 A string with length equal to 0 or greater than 256 – Error

2.1.2 Checklist

[]: Login with correct username and password

[]: Login with wrong username

[]: Login with wrong password

[]: Login with wrong username, and password

[]: Leave feedback for user

[]: Change photo

[]: Log out

[]: View news feed

[]: Register user

[]: View user profile

[]: Edit personal information

2.2 Network Module: This module maintains all the networks in the database

2.2.1 Equivalence classes

2.2.1.1 “network_id”:

2.2.1.1.1 The database ID number corresponding to the appropriate network to be accessed – Acceptable

2.2.1.1.2 The database ID number NOT corresponding to the appropriate network to be accessed - Error

2.2.1.2 “area”:

2.2.1.2.1 A string corresponding to a locale or neighborhood

NOT already in the database – Acceptable

2.2.1.2.2 A string corresponding to a locale or neighborhood

already existing in the database - Error

2.2.2 Checklist

[]: Create a new network

[]: Add a network to a user's profile

[]: Ensure newly-added network displays correctly on user's profile

[]: Ensure newly-added network displays correctly in user's news feed

[]: Remove user from a network

[]: Ensure unsubscribed network no longer is displayed on user's profile

[]: Ensure user no longer sees the network in his/her news feed

2.3 Subscription Module: This module maintains all of the subscriptions a user has

2.3.1 Equivalence classes:

2.3.1.1 "subscription_id"

2.3.1.1.1 A number generated by the database higher by one

value than the last subscription_id that was generated

– Acceptable

2.3.1.1.2 A number generated by the database less than or

equal to the value of the last subscription_id generated

– Error

2.3.1.2 "network_id"

2.3.1.2.1 The database ID number corresponding to the

appropriate network to be accessed – Acceptable

2.3.1.2.2 The database ID number NOT corresponding to the appropriate network to be accessed - Error

2.3.1.3 “user_id”

2.3.1.3.1 The database ID number corresponding to the appropriate user to be accessed – Acceptable

2.3.1.3.2 The database ID number NOT corresponding to the appropriate user to be accessed - Error

2.3.2 Checklist

[]: Subscribe to a network

[]: Subscribe to an activity

[]: Unsubscribe from a network

[]: Unsubscribe from an activity

2.4 Activity Module: This module maintains all of the activities in the activities database

2.4.1 Equivalence classes:

2.4.1.1 “activity_id”

2.4.1.1.1 Any activity that the user who is created the ConnAction is in – Acceptable

2.4.1.1.2 Any activity that the user who is created the ConnAction is not in – Error

2.4.2 Checklist

[]: click Add new Activity button

[]: Try to add a new activity < 20 characters that does not exist in the activities table.

[]: Try to add a new activity that already exists in the activities table < 20 characters. (should result in an error message)

[]: Try to add an Activity that is greater than 20 characters. (Should result in an error message)

2.5 Event Module: This module maintains the events database

2.5.1 Equivalence classes:

2.5.1.1 “event_id”

2.5.1.1.1 A number generated by the database higher by one value than the last event_id that was generated – Acceptable

2.5.1.1.2 A number generated by the database less than or equal to the value of the last event_id generated – Error

2.5.1.2 “start_date”

2.5.1.2.1 A time that is equal to the current time or in the future – Acceptable

2.5.1.2.2 A time that is in the past – Error

2.5.1.3 “end_date”

2.5.1.3.1 A time that is equal to the current time or in the future – Acceptable

2.5.1.3.2 A time that is in the past – Error

2.5.1.4 “location”

2.5.1.4.1 Any network that the user is created the ConnAction is
in – Acceptable

2.5.1.4.2 Any network that the user who is created the
ConnAction is not in – Error

2.5.2 Checklist

[]: Create event with valid start or end date

[]: Create event with invalid start or end date

[]: Create event in a valid location

[]: Create event in an invalid location

2.6 Message Module: This module maintains all data manipulation of variables related to messages.

2.6.1 Equivalence classes:

2.6.1.1 “content”

2.6.1.1.1 A string with length greater than or equal to 1 and less
than 1024 – Acceptable

2.6.1.1.2 A string with length equal to 0 or greater than 1024 –
Error

2.6.1.2 “recipient”

2.6.1.2.1 A string with length greater than or equal to 1 and less
than 256 – Acceptable

2.6.1.2.2 A string with length equal to 0 or greater than 256 –
Error

2.6.2 Checklist

[]: Send user message

[]: View message

[]: Delete message

[]: Cancel send message

[]: Archive current message

2.7 Review Module: This module maintains a database of all of the reviews that users

leave other users

2.7.1 Equivalence classes:

2.7.1.1 "user_id"

2.7.1.1.1 Any user_id that exists in the connaction_attending table for the ConnAction identified by the connection_id in this module and is not the same as from_user – Acceptable

2.7.1.1.2 Any number that does not correspond to a user_id in the Users table – Error

2.7.1.2 "from_user"

2.7.1.2.1 The ID number of the user that is submitting the review. - Acceptable

2.7.1.2.2 Any number that does not correspond to a user_id in the users table – Error

2.7.1.3 "is_anonymous"

2.7.1.3.1 An integer value in the set {0, 1} -Acceptable

2.7.1.3.2 Any value other than 0 or 1 – Error

2.7.1.4 “connaction_id”

2.7.1.4.1 Any integer that corresponds to a Connaction_ID in the Connaction table -Acceptable.

2.7.1.4.2 Any Integer that does not correspond to a Connaction_ID in the Connaction Table or Any integer that does not exist in the connaction_attending table for the connactionID identified in this module – Error

2.7.1.5 “is_positive”

2.7.1.5.1 An integer value in the set {0, 1} -Acceptable

2.7.1.5.2 Any value other than 0 or 1 – Error

2.7.1.6 “review_date”

2.7.1.6.1 Any Date value that is > the start time of the ConnAction identified by the connaction_id in this module. - Acceptable

2.7.1.6.2 Any Date value that is < the start time of the ConnAction identified by the connaction_id in this Module. -Error

2.7.1.7 “review”

2.7.1.7.1 Any string that is less than 4000 characters –

Acceptable

2.7.1.7.2 Any String > 4000 characters - Error

2.7.2 Checklist

[]: Click Review ConnAction Button for a valid user after the start time of the connection_id identified in this module.

[]: Click the Review Button before the start time of the ConnAction identified by the connection_id in this module. (should result in error)

[]: Click the review button and try to leave a review for the user that is logged in (yourself). (should not be an option)

[]: Try to leave a review for someone that did not attend the ConnAction. (should not be an option)

[]: Try to review a user on a ConnAction that you did not attend.

[]: Try to leave a review that has a message longer than 4000 characters. (should result in an error)

2.8 ConnAction Module: This module maintains the different ConnActions users will have with other users.

2.8.1 Equivalence classes:

2.8.1.1 “connection_id”

2.8.1.1.1 A number generated by the database higher by one value than the last connection_id that was generated
– Acceptable

2.8.1.1.2 A number generated by the database less than or equal to the value of the last connaction_id generated

– Error

2.8.1.2 “location”

2.8.1.2.1 Any network that the user is created the ConnAction is in – Acceptable

2.8.1.2.2 Any network that the user who is created the ConnAction is not in – Error

2.8.1.3 “activity_id”

2.8.1.3.1 Any activity that the user who is created the ConnAction is in – Acceptable

2.8.1.3.2 Any activity that the user who is created the ConnAction is not in – Error

2.8.1.4 “date”

2.8.1.4.1 A time that is equal to the current time or in the future – Acceptable

2.8.1.4.2 A time that is in the past – Error

2.8.2 Checklist

- []: Click to create a ConnAction
- []: Attempt to select an invalid network
- []: Select a valid network
- []: Attempt to select an invalid activity
- []: Select a valid activity

- []: Attempt to select a time in the past
- []: Select a time that is equal to current or sometime in the future
- []: Click post this ConnAction
- []: Ensure the ConnAction is in the correct stream (location and/or activity stream)

2.9 Picture Module: This module maintains the user's profile picture

2.9.1 "profile_pic":

2.9.1.1 A string value corresponding to the URL which points to where the image is hosted on the web – Acceptable

2.9.1.2 A string value NOT corresponding to the URL which points to where the image is hosted on the web - Error

2.9.2 Checklist

- []: Click Upload Profile Picture button
- []: In popup window, browse files on user's computer and select the image to upload
- []: Select 'OK' to upload the photo from user's machine to website server and verify that the image now displays as the user's profile picture
- []: Delete profile picture
- []: Click on a profile picture in a news feed to ensure that it links to the posting user's profile

2.10 Testers: Ray and Rob

3.0 Integration Testing

3.1 Purpose: To ensure all of the modules work and communicates correctly with the appropriate modules.

3.2 Integration Testing Checklist

- ☐ : Register and create a new profile
- ☐ : Fill in my profile and add a picture
- ☐ : Subscribe to various networks and activities
- ☐ : Post a ConnAction
- ☐ : Ask to Join a ConnAction
- ☐ : Send a message
- ☐ : Receive a message
- ☐ : Leave a review
- ☐ : Comment on a ConnAction
- ☐ : Log out

3.3 Testers: Vincent

4.0 System Testing

4.1 Purpose: To ensure that the website is able to use all modules and meets the requirements

4.2 System Testing Checklist

- ☐ : Queries take a reasonable amount of time
- ☐ : All pages work (UI does not break, appropriate sections are visible)
- ☐ : Security settings work
- ☐ : Databases do not run out of space
- ☐ : Can handle a 100+ concurrent users

4.3 Testers: Everyone

5.0 Acceptance Testing

5.1 Purpose: To ensure the website meets the functionality requirements

5.2 Acceptance Testing Checklist

- ☐ : Accounts can be created
- ☐ : Profiles can be edited
- ☐ : Networks can be created
- ☐ : Activities can be created
- ☐ : Networks can be joined
- ☐ : Activities can be joined
- ☐ : ConnActions can be posted to the appropriate activity
- ☐ : ConnActions are visible to those who are subscribed to that particular activity
- ☐ : Messages can be sent
- ☐ : Users can be reviewed after a ConnAction

5.3 Testers: Everyone

6.0 Revision History

Person	Date Modified	Section	Description
Ray	11/11/11	2.1, 2.6	First Draft
Rob	11/12/11	2.7, 2.9	First Draft
Kim	11/13/11	2.2, 2.10	First Draft
Vince	11/14/11	1, 2.3, 2.5, 3, 4, 5	First Draft
Dave	11/14/11	2.4, 2.8,	First Draft
Vince	12/10	2.7	Removed comments

