**CSC 430 Software Engineering**

**Professor Zhanyang Zhang**

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**User Acceptance Test**

**Test Case/ Script Document**

**Amanda Stefanese, Ahmed Mahmoud, Travis Khan, & Joe Skinner**

# 1. Introduction

This user acceptance test document is to define the test environment, test data set and test procedures for the user acceptance test (UAT). The objectives of UAT are to test the software system against user/system requirement documents which was agreed on by user and development organizations. Based on the results of UAT, the software system can be either accepted (or accepted with conditions) or rejected which will lead actions governed by contractual agreement documents signed between the two parties.

# 2. Test Environment

The test environment for Social Mutiny is a CS3 and AJAX compliant internet browser.

# 3. Test Data Set

The only data required for returning users is the correct username and password. For new users the required data is for them to input a valid email and password, their last name, first name, and date of birth.

# 4. Exception Report

Currently the Social Mutiny internet browser is not susceptible to any crashes. Thorough testing was conducted during the development stage and any reported crashes were fixed immediately.

# 5. UAT Test Cases and Test Scripts

The test script was generated from loadimpact.com with a hundred concurrent requests per second. The average page load time was between two and five seconds with 1 mb/s throughput.

## 5.1 Test Script

Below are our test scripts for a few example test cases in our Social Networking system.

| ***TEST SCRIPT: 1.01 (Homepage)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | User enters his valid email, password, checks remember me, and clicks the **Submit** button. | The system verifies that the emal and password combination matches a valid user, sets a cookie containing the user’s information, and displays the Social Mutiny home page. | Yes |  | No exceptions |

| ***TEST SCRIPT: 1.02 (New User Creation)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | New user enters first name, last name, email, confirmation email, password, confirmation password, birth month, day and year, and clicks submit | The system creates an images and thumbnail folder for the user, sets their profile picture to the default, creates a cookie, enters the user into the database and sets their session variable to the userID present in their newly created row in the database. | Yes |  | No Exceptions |

| ***TEST SCRIPT: 1.03 (Invalid Log In)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | User enters incorrect information, and clicks submit | The system verifies that the email and password combination do not match a valid user, and redirects to notLoggedIn.php | Yes |  |  |

| ***TEST SCRIPT: 1.04 (User goes to another user’s profile page)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | Users clicks another user’s profile page | The system pulls the other user’s id from the link, decodes it, and displays all relevant data in corresponding sections | yes |  |  |

| ***TEST SCRIPT: 1.05 (Exit Log Out)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | User clicks log out | The system destroys the session and deletes the cookie | yes |  |  |

| ***TEST SCRIPT: 2.01 (Instant Messaging System)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | User sends message to another user | The user receives the message with the sender’s name attached |  | No | The user receives the message with their own name |

| ***TEST SCRIPT: 2.02 (Picture Comments)*** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Action Step** | **Test Action** | Expected Results | **Meets Expected**  **Yes No** | | **Comments** |
| 1 | Commenting on a picture | The user comments on a picture, the page refreshes, and the photo is shown with the newest comment |  | No | The comment is submitted, the page refreshes, but the user is no longer allowed to view pictures |