

# Testing Report

## Client

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# **1. Introduction**

## **1.1 Purpose of This Document**

This document is intended for developers, managers, and testers. Various methodologies of testing the system will be discussed. FeedMe.com, like any website with the potential for a lot of user traffic, must be thoroughly tested to ensure stability, expose bugs and security vulnerabilities, as well as ensure responsiveness for the user.

## **1.2 References**

Systems Requirements Specification (SRS)

## 2. Testing Process

### 2.1 Description

The use cases for the website are outlined in the SRS document and will serve as the basis for which the tests are done. Each team member contributed scenarios that may result in unintended outcomes. We completed testing in various ways. We completed various types of tests including unit testing, white-box testing, penetration-testing, and user testing. Individual parts of the web site were thoroughly tested with both unintelligent and malicious users in mind. After unit tests were completed, the parts were integrated, and we verified that the parts work together.

### 2.2 Testing Sessions

Date	Location	Time Started	Time Ended	Performed By:	Use Case:
03/15/2014	RLC - Library	6pm	7pm	Minhaz, Seth	Register, Login, Logout, Home page
03/25/2014	Skype	9pm	10pm	Giancarlo, Kiante	Made sure UI elements were functional.
4/7/2014	Library	11pm	12pm	Minhaz, Seth, Kiante	register, login, logout since they were updated. Restaurant.php page and index.php page.
4/9/2014	Library	9pm	11pm	Kiante, Seth	Made sure front end is properly communicating with DB
04/12/2014	Home	9pm	9:30pm	Minhaz, Seth, Kiante	Tested restaurant.php pages and profile pages to make sure all changes were working properly.
04/13/2014	Home	6pm	9pm	All members	Register, login, logout, submit review, edit profile, view profile, view restaurant reviews. All functionality tested

## 2.3 Impressions of the Process

The testing was pretty effective. We made sure all “intended” usage of the website was tested as well as unexpected and malicious usage. The website has a lot more functionality than it did in Spiral 1, so testing was more useful and allowed us to discover new bugs. The login, registration pages, and navigation bar work quite effectively, as things haven’t changed much since the last spiral. The restaurant.php and profile.php pages appear to be working correctly as well, but because they are new, our tests are not 100% conclusive yet. The index.php (home page) appears to have some scaling issues, and images do not fully populate the area in which they are allocated yet.

The strongest part of the website thus far is the registration and login process. All data is sanitized, and we make sure that SQL injection and various other attacks are not possible. Users cannot access the login and registration pages once they are logged in. The registration process is very straightforward, with large enough buttons, font, and text boxes so that users are not confused.

All user data is stored in the database when the user registers. The database is also queried when the user attempts to log in. All passwords are hashed before being stored into the database to prevent stolen passwords. The weakest parts of the website include the restaurant.php and profile.php pages, which are susceptible to SQL injection through url parameters that are passed in. This defect has been noted and will be resolved soon. For more information about the database and underlying architecture, please see the SDD.

### 3. Test Results

Testing was conducted using typical usage scenarios, as well as some testing for scenarios that typical users should not be in. We tested edge and boundary cases to ensure that the website correctly handles invalid situations that could result in unintended results on the website.

#### 3.1 Testing Suite

The table below contains various use cases and the results for each.

##### User attempts to register:

Use Case	
Good Scenario	The user creates a username with a unique username and email with (@umbc.edu) and no empty fields and confirmed password
Bad Scenario	User enters invalid email (non @umbc.edu) User enters pre-registered email or username Users password confirmation doesn't match User forgets any fields
Purpose	To ensure the user can register given the right inputs and to make sure they cannot register with invalid inputs
Expected results for good scenario	User is successfully registered and forwarded to the login page to sign in with their new credentials.
Expected results for bad scenario	The registration page is refreshed and user is notified of the errors in their input

##### User attempts to log in:

Use Case	
Good Scenario	User enters correct username and correct password
Bad Scenario	User enters wrong username User enters wrong password User forgets either field
Purpose	To ensure that users are able to login once they are registered
Expected results for good scenario	The user is forwarded to the home page and their name is displayed in the navigation bar on the top right.
Expected results for bad scenario	The user is brought back to the login page and notified that there was a problem with their inputs. Wrong password or username or missing fields.

### User attempts to log out:

Use Case	
Good Scenario	After being logged in, the user hits the logout button.
Bad Scenario	Not possible to see the logout button without being logged in, so there are no bad scenarios we can think of yet.
Purpose	To make sure users can log out given they are logged in.
Expected results for good scenario	User is back at the home page and logged out
Expected results for bad scenario	N/A

### User attempts to submit a review

Use Case	
Good Scenario	User logs in and goes to a restaurant page to submit a review and doesn't forget any fields and review is properly submitted.
Bad Scenario	User is not logged in and clicks on the submit a review button
Purpose	To ensure that users can submit a review for a restaurant
Expected results for good scenario	The page is refreshed and the user's review is shown on the page
Expected results for bad scenario	If the user is not logged in then a login modal dialog is shown. If the review has errors then the page is refreshed and the review is not submitted.

### User attempts to edit profile (only biography for now):

Use Case	
Good Scenario	User is logged in and clicks on edit profile.
Bad Scenario	User is not logged in and tries to get to the profile page (profile.php)
Purpose	To ensure the user can change their biography
Expected results for good scenario	Page is refreshed and user's new biography is displayed
Expected results for bad scenario	The user is redirected to the home page.

### 3.2 Test Results

The results from testing are outlined in the images below.

Use Case	
Good Scenario	The user creates a username with a unique username and email with (@umbc.edu) and no empty fields and confirmed password
Bad Scenario	User enters invalid email (non @umbc.edu) User enters pre-registered email or username Users password confirmation doesn't match User forgets any fields
Purpose	To ensure the user can register given the right inputs and to make sure they cannot register with invalid inputs
Expected results for good scenario	User is successfully registered and forwarded to the login page to sign in with their new credentials.
Expected results for bad scenario	The registration page is refreshed and user is notified of the errors in their input

#### Test Results

State the name of the tester for the particular use case. Summarize those test cases from the above that you were not able to execute, for any reason, and briefly explain the difficulty. Summarize those test cases that ran and the actual result was identical to the expected result. Summarize those test cases that ran and the actual result was not the same as the expected result, but was nevertheless correct. Explain the discrepancy. Describe each defect detected. For each defect, outline either a suggested repair or the actual repair you made. In the cases where you successfully removed the bug, or at least tried to fix the bug but were unable to do so, briefly describe any changes you made to the program, including the modules, functions, classes, data structures, etc. affected. Try to explain the underlying logical cause of the defect in the program code.

Registering a user. Performed by Minhaz Mahmud.

1. On home page clicking on Register forwards to the register page.



2. Registration page fill out the form:

Email

Username

First name

Lastname

Password

Confirm Password

Gender  
 ▼

When did you first arrive at UMBC?  
 ▼

With all valid input the user is forwarded to the login page.

With a non umbc email address:

Email - Invalid email

Attempting to register a username or email that is already registered:

Email - minhaz1@umbc.edu is already in use

Username - minhazm is already in use

## Any missing fields:

Email - Email is missing

Username - Login ID missing

First name - First name missing

Lastname - Last name missing

Password - Password missing

Confirm Password

Gender - Please select a gender

- With all valid input the user is successfully logged in and gets to the home page with their name on the top right in the navbar.



- With invalid input:

### Missing login or password:

Username - Login ID missing

Password - Password missing

### Incorrect username or password:

Username - Wrong Username or  
Password

Password

## Submitting a review to restaurant. Performed by Kiante' Brantley.

1. Logged into the webpage
2. Click on the chick-fil-a restaurant

Info Tags Rating Submit Review

**Chick Fil A**  
100 feet drive 9  
410408765  
www.test.com

Never received anything less than stellar service here. I only give one star because I believe that there is now something wrong with the quality of food that they are serving here and universally at all Chick Filas. I remember when eating at here was once consider eating healthier. Now there is just so much grease on the food and all over the bags. I used to eat here because my stomach would not be bothered, now I get so many stomach pains. Either something is going wrong with the quality of the food or the employees are not handling the food properly. I just know I can no longer eat at Chick Filo without getting sick. I know a lot of people who agree that they get sick when eating here now.

alice story blog personal Warning Danger

Posted by test on 2014-04-13 19:55:56

Comment

Never received anything less than stellar service here. I only give one star because I believe that there is now something wrong with the quality of food that they are serving here and universally at all Chick Filas. I remember when eating at here was once consider eating healthier. Now there is just so much grease on the food and all over the bags. I used to eat here because my stomach would not be bothered, now I get so many stomach pains. Either something is going wrong with the quality of the food or the employees are not handling the food properly. I just know I can no longer eat at Chick Filo without getting sick. I know a lot of people who agree that they get sick when eating here now.

alice story blog personal Warning Danger

Posted by test on 2014-04-13 19:59:23

3. Click the submit review

Ate a new dish? Tell us about it

Title:  
e.g. The food was delicious

Image Link:  
No file chosen  
Choose File  
Or place image link here

Write your item review here...(250 word Limit)

Enter tags here, separated by a space:

**SUBMIT** **CLOSE**

#### ]4. Fill in the required fields

Home FeedMe Quick test test

Ate a new dish? Tell us about it ×

Title: chick-fil-a nuggets

Image Link: No file chosen Choose File

[http://1.bp.blogspot.com/-rTlt0nXZ638/UU57q3G3tgI/AAAAAAAAdLE/3kelnH\\_jg28/s1](http://1.bp.blogspot.com/-rTlt0nXZ638/UU57q3G3tgI/AAAAAAAAdLE/3kelnH_jg28/s1)

Unlike most fast food joints, Chick-fil-A Nuggets are made from whole chunks of chicken rather than the mechanically-separated variety which gives it a more chicken-y texture. The breading is the same stuff they use on their Original Chicken Sandwich. Read more at <http://www.brandeating.com/2009/09/chick-fil-as-chicken-nuggets.html#jj87FYh8TzeQFOlm.99>

Enter tags here, separated by a space:

  SUBMIT CLOSE

#### 5. Verified that my review was added to the chick-fil-a timeline

FEEDME Home FeedMe Quick test test Logout

0 Comment

0 Comment



Unlike most fast food joints, Chick-fil-A Nuggets are made from whole chunks of chicken rather than the mechanically-separated variety which gives it a more chicken-y texture. The breading is the same stuff they use on their Original Chicken Sandwich. Read more at <http://www.brandeating.com/2009/09/chick-fil-as-chicken-nuggets.html#jj87FYh8TzeQFOlm.99>

alice story dog personal warning danger

Posted by test on 2014-04-13 20:25:34

0 Comment

View a user profile of someone who left a review - completed by Seth Mosgin:

Open home page then select a restaurant.



Then on a review click on the username of the person that submitted the review.

Posted by test on 2014-04-13 20:25:34

Then you will get to their profile and can see what other reviews they may have submitted.

The image shows a user profile for a user named "test test". On the left is a circular profile picture of a character wearing a red and blue spider suit. To the right of the picture, the username "test test" is displayed in large, bold, grey letters. Below the username, there is profile information: "Username: test", "Gender:", and "Year Arrived: 1991". Underneath this, the biography "Biography: testing updating the bio" is shown. At the bottom of the profile section, it says "Favorite Food Tags:" followed by three colored buttons: "Vegan" (grey), "Soup" (blue), and "Spiders" (green). A blue "EDIT PROFILE" button is located at the bottom left of the profile card.

Changing users biography (assumes you have safely logged in):

EDIT PROFILE

Then you will get a modal dialog with your biography and a chance to change it.

Update Biography:

×

I am awesome!"

**CLOSE** **SAVE CHANGES**

Close will not save changes and hitting Save Changes will update the page

Biography:

I am so awesome!

#### 4. Appendix A - Team Review Sign-off

Name:	Date:	Signature (Print name)
Minhaz Mahmud	04/13/2014	Minhaz Mahmud
Kiante Brantley	04/13/2014	Kiante Brantley
Seth Mosgin	04/13/2014	Seth Mosgin
Ines Ngassa	04/13/2014	Ines Ngassa
Giancarlo Mogliazzzi	04/13/2014	Giancarlo Mogliazzzi

#### Appendix B - Document Contributions

This document was completed by Minhaz Mahmud for the most part with help from various team members in various capacities.