System Requirements Specification

FeedMe

Client
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1. Introduction

1.1 Purpose of This Document

This document's purpose is to establish and explain specifications of what is desired from the FeedMe web application. This document will outline the functional and nonfunctional requirements of the application, including use cases that specify steps between an actor and a system to achieve a goal.

1. 2 References

UI Design Document
Testing Report
Code Inspection Report

1.3 Purpose of the Product

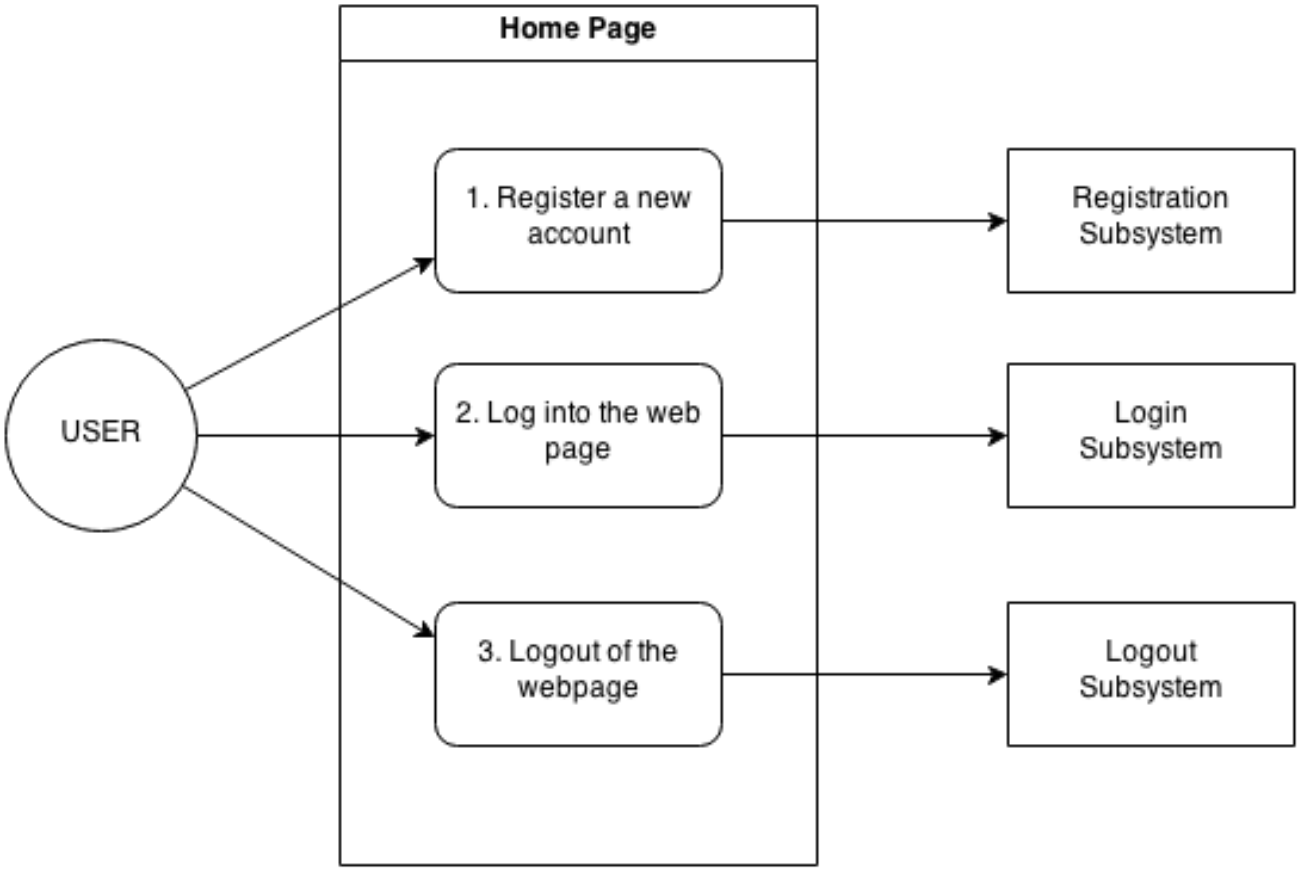
The FeedMe web application is designed to assist students who attend UMBC in discovering quality food. The application will allow users to upload information about a restaurant that they have visited in order to share their experience with other users. The application will act as a quick and convenient source for students and faculty of UMBC who are looking for something to eat.

1.4 Product Scope

The following summarizes some of the use cases involved. At this point in development, this list is subject to change:

- Application allows users to log in
- Application allows users to log out
- Application allows users to register

Please refer to Figure 1 below for a top-level use case and context diagram. Figure 1 shows how the user interacts with the system to achieve the above mentioned relevant use cases.



2. Functional Requirements

This section describes the functions that the system provides.
For a top-level overview of the use cases, see Figure 1.

2.1 Use Cases

Use-case #1 - Registration

Number	1	
Name	Create A Personal Account	
Summary	A user creates a personal account	
Priority	1	
Precondition	User has ready username, password, and email address	
Postconditions	System creates a personal account with the user's submitted information	
Primary Actor	User	
Secondary	Registration Subsystem	
Trigger	User opens the registration page	
Main Scenario	Step	Action
	1	User opens the registration page
	2	User enters their information into appropriate fields displayed on registration page
	3	User clicks the submit button.
	4	System registers a user account to database, and notifies user when its complete
Extension	Step	Branching Action
	4a	System rejects the registration submission due to error in the information entered
Open Issues	1	Special characters are allowed in inputs on register page.

Use-case #2 - Login

Number	2	
Name	Sign In To Personal Account	
Summary	A user signs into their personal account	
Priority	1	
Preconditions	The user has successfully registered.	
Postconditions	The user is logged into the page and appropriate session variables are set. The users name is displayed at the top of the home page.	
Primary Actor	User	
Secondary Actors	Login subsystem	
Trigger	The user opens the login page by clicking “Login” on the home page	
Main Scenario	Step	Action
	1	Users accesses login page
	2	The user enters username and password into fields
	3	Users clicks the login button or hits enter
	4	The system handles authentication and login process and sets the appropriate session variables.
Extensions	Step	Branching Action
	4a	The system rejects the user if incorrect user/name is used or if left empty
Open Issues	None	

Use-case #3 - Logout

Number	3	
Name	Sign Out of Personal Account	
Summary	User sign out of their personal account	
Priority	3	
Preconditions	User has established username and account already	
Postconditions	User logged out of the system and no longer has access to their personal account	
Primary Actor	User	
Secondary Actor	Logout Subsystem	
Trigger	User clicks the logout button	
Main Scenario	Step	Action
	1	The user has previous logged in
	2	User moves mouse towards the the logout button
	3	User clicks the logout button
	4	User waits until the login button is displayed (which is shows that the user is successfully logged out)

3. Use Case Tests

3.1.1 Use Case Test # 1

Create A Personal Account

Open the account registration page, enter the proper information in the fields that are presented. Some fields that will be displayed include, but are not limited to, username, password, and how many years you have attended UMBC.

Click the registration button. Verify that the account was created by checking for the appropriate notification, and then attempting a login with the same information used for registration.

Leave one or multiple fields blank on the account creation page and click the registration button. Verify that the account was not created by checking for the appropriate notification, and by analyzing the database.

3.2.1 Use Case Test # 2

Sign In To Personal Account

Open the login page, enter a username and password, and click the login button. Verify that you are now logged in to the system by checking for the appropriate indicator.

Leave one or multiple fields blank on the login page and click the login button. Verify that you are not logged in by checking for the appropriate indicator.

3.3.1 Use Case Test # 3

Sign Out of Personal Account

Verify first that user is logged in. Once confirmed, click logout at the top of the page. Verify that user is actually logged out by checking the status of the navigation bar at the top of the page.

Verify that there is no logout function on the navigation bar when a user is not logged in.

4. Nonfunctional Requirements

This section describes the constraints on the development of the system and the system itself.

Number	Priority	Description
1	1	User information is secure and database is not directly accessible by users.
2	2	Passwords will be encrypted and stored.
3	3	The system has an intuitive and consistent UI.
4	2	HTML/Javascript used for views.
5	2	PHP used to handle server-side logic.
6	2	SQL will be used to communicate with the database.

5. User Interface

Please see the User Interface Design Document for detailed information on the User Interface.

6. Deliverables

The following will be delivered to the customer:

Electronic copies of each of the following:

- Systems Requirement Specification
- System Design Document
- User Interface Design Document
- Testing Report
- Code Inspection Report
- All source code
- Access to the server where the website is hosted so they are up to date.

7. Open Issues

Listed are currently open issues concerning the system's requirements.

Issue	Plan
Users are allowed to use special characters on registration fields.	We will check for special characters and if they exist we will display an appropriate error message.

8. Appendix A – Agreement Between Customer and Contractor

By writing our name on this document, the customer and our team agree on the outline of the FeedMe website. The parties listed below agree on meeting quarterly with all the specifics outlined in the documents. The website will consist of uploaded pictures of restaurant/food taken by students from UMBC, along with ratings and comments. If any problems arise in the implementation of the design, the procedure for changing the project would be the following: It will be provided in writing to the customer and electronically. Then, the customer can approve the changes and or request a meeting to talk over the changes. Any agreed changes will be committed on this document.

Client Name _____ Michael Wilson _____
Date_____February 28th_____

Name _____ Seth Mosgin _____
Date_____ February 28th _____

Name _____ Giancarlo Mogliazzi_____
Date_____ February 28th _____

Name _____ Jessica Ngassa_____
Date_____ February 28th _____

Name _____Kiante Brantley_____
Date_____ February 28th _____

Name _____ Minhaz Mahmud_____
Date_____ February 28th _____

9. Appendix B – Team Review Sign-off

All members of the team have reviewed this document and agreed on the content and format. Any disagreement(s) on the content/format will reflect on the document below.

Team

Name _____ Seth Mosgin_____
Date_____ March 5st 2014_____
Comments
Needed heavy grammar and style checking as well as document formatting__
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Name _____ Ines Jessica Ngasssa_____
Date_____ March 1st 2014 _____
Comments
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Name _____ Minhaz Mahmud_____
Date_____ March 5st 2014_____
Comments
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Name _____ Giancarlo Mogliazzi _____
Date_____ March 5st 2014_____
Comments
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Name _____ Kiante Brantley_____
Date_____ March 5st 2014_____
Comments
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10. Appendix C – Document Contributions

Jessica had the lead in the SRS. Kiante collected use cases from the client and wrote the functional requirements. Minhaz and Seth wrote the non-functional requirements and performed grammatical review as well as document formatting. Giancarlo wrote the product scope.