**CSC 430 Software Engineering**

**Professor Zhanyang Zhang**

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**Software System Design**

**Document Specification**

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1. Introduction

The software created is called Social Mutiny. It is a new and improved social media site. The design we created is a cool and inviting atmosphere that makes you want to register, get connected, and widen your inner circle of friends.

* 1. **Modification History**

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Version | Author | Summary of changes |
| 4/6/2012 | V1.0 | Amanda Stefanese | 1st Draft of Document |
| 5/22/12 | V2.0 | Amanda Stefanese | 2nd Draft of Document |

2. Required System Functions

The current functions that are required for our application:

* Registration – Registers user and allows future access for user with same userID and password
* User login – Logs user onto Social Mutiny website and grants access to all user settings, messages, and board messages.
* Network – Allows Social Mutiny to suggest friends from the same network that you are registered in.
* Date of Birth – Allows or restricts access to specific media(i.e. photos, messages) or groups that are restricted by age
* First and Last Name – Allows other users to find said user based on name if their first name is in common with another. Also is required to create an account.

3. User Interface

Below are some examples shown as screen shots of our application for how users interact with the system:

1. Registration:

Figure 1. Registration Screen Shots

Figure 2. Registration Steps

1. User Login:

Figure 3. User Login Screen Shots

Figure 4. User Login Steps

1. Search:

Figure 5. Search Screen Shots

Figure 6. Search Steps

1. Posts:

Figure 7. Posts Screen Shots

Figure 8. Posts Steps

4. System Components:

Below is a table listing our system components, function descriptions, and its dependencies.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name | Function Description | Input Data | Output Data | Dependencies |
| Login | Communicates with Database | email, Password | User Login | If user is registered |
| Registration | Registers user | Required form data | Creates new registered user | Internet connection, all required input data |
| Upload Media Content | Load media from user side computer to Database based on user settings | Images, videos, electronic media | Media is posted to designated user’s account | Internet connection, LoggedOn, File format, File size, restricted user settings |
| SendMessage | Sends user comment or Media privately/publicly to another user | Comment, Message, or Media and Receiving user | Message sent from user | UserID, Internet Connection, Privacy settings |
| Settings | Allows user to change many different settings, including: Name, email, Photo, Privacy etc. | Which setting to change, user selection | Modified changes, Updated profile | Which setting to change, Internet connection |

Table . System Components

5. Database

Below is a list of tables in our Database:

|  |
| --- |
| Name of Tables |
| bannedUsers |
| eventLink |
| Events |
| Feedback |
| Friends |
| groupLink |
| Groups |
| Inbox |
| LandingRequest |
| Messages |
| networkLink |
| networkRequest |
| networks |
| pendingRequests |
| pictureComments |
| Pictures |
| theBoard |
| Users |

Table 2. Database Tables

6. Required Software and Hardware

The only required software and hardware for use with our website is any device with internet capabilities or a windows platform for our desktops application.