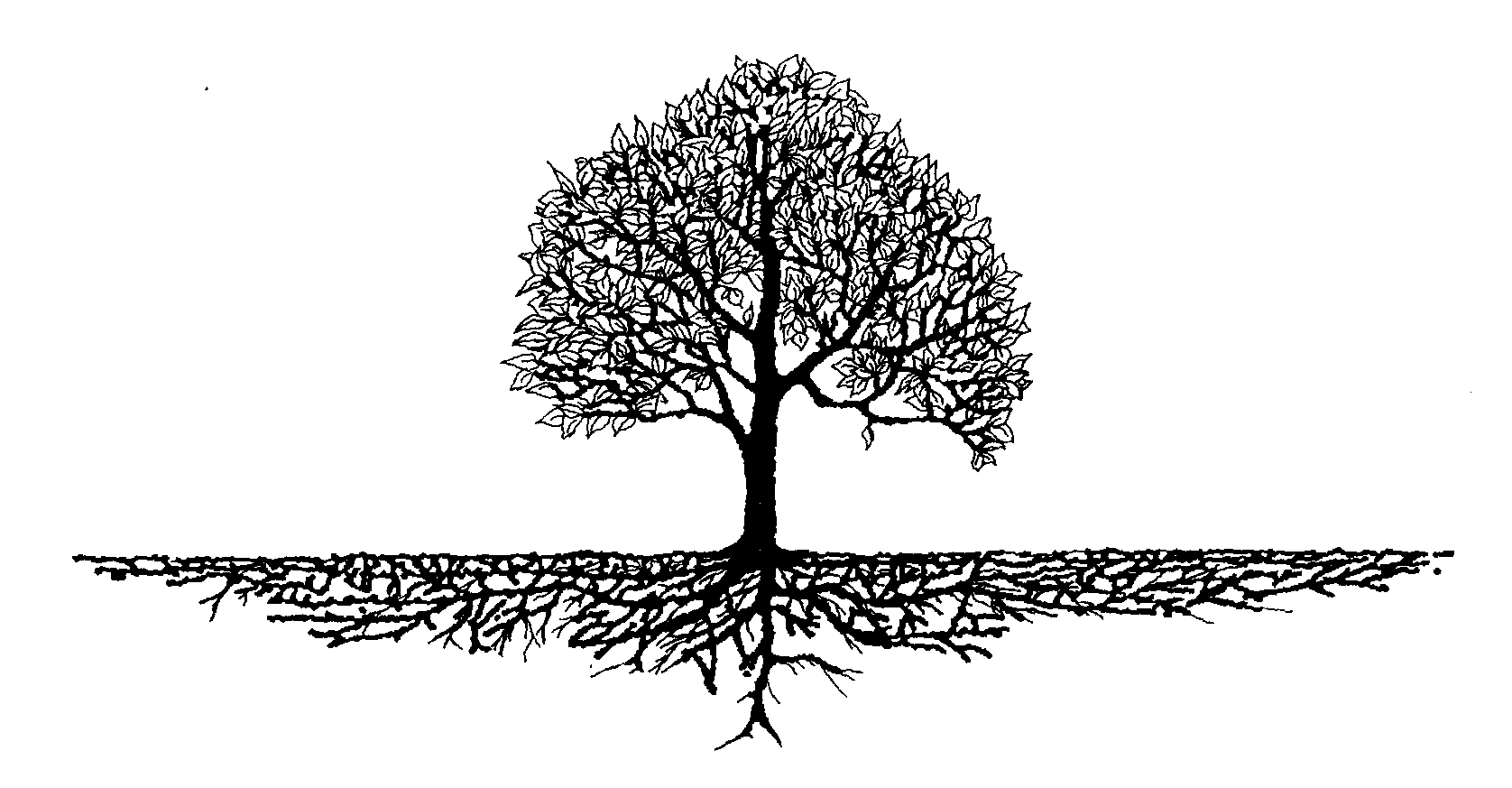
Software Requirement Specifications



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# Dictionary & Acronyms

|  |  |
| --- | --- |
| Term | Definition |
| User | Someone who interacts with the application |
| Admin / Administrator | Someone who is given specific permission for managing and controlling the system. |
| Web Browser | An application which allows a device to access the internet. |
| Staff | Employee of Northwood Long Term Care |
| The Team | The development team composed of, Bradley Baker, Jonathan MacKenzie, Mark Podrouzek, Christopher Fevrier |
| UserName | A unique identifier for each User, Known only to the User and administrator. |
| Password | A unique string which is only known to the User, and the Administrator. |
| Webpage |  |
| Element |  |
| REF |  |
| User Credentials |  |
|  |  |
|  |  |
|  |  |

# Process Constraint

1. Prototyping Developing Architecture

The Team is developing the application using a prototyping architecture. This allows the client to have a physical copy and experience the work in progress and give suggestions based on their experiences and needs.

# Design Constraint

1. Designed for the browser, requires HTML5/ JavaScript.

This will allow the majority of devices that the team suspects to be found at Northwood to access the application.

1. Low Hardware Requirements.

The team does not wish to limit the user experience based upon a lack of hardware owned by the client

1. Purging of Non-Necessary Posts

Due to limited space within the Northwood Network Architecture.

1. Purging of Non-Active Accounts

Due to limited space within the Northwood Network Architecture.

# Functional Requirements

1. Account Creation

3.1.1: The account creation process is started with the click of the “Sign In” button located in the top left of the screen.

3.1.2: The account creation process required a Username of between 1 and 100 characters

3.1.3: The account creation process requires a password of between 0 and 100 characters

3.1.4: The User, or assistant of the User, must enter the Users Name, a unique UserName (REF 3.1.2), a password (REF 3.1.3), and the reputation of the said password for confirmation;

3.1.5: If the entered reputation of the password does not match that of the entered password. The user is prompted accordingly and is required to renter the password and the confirmation.

3.1.6: After the User submits the Information, the Server then confirms that the UserName is not being utilized by another User. If so the User is prompted to choose a new UserName, and the process is repeated.

3.1.7: Once the account is accepted and created. The User can sign in to the application (REF 3.2).

1. Sign-In / Sign Out

3.2.1: The application must have the ability for a User to log in given a User account is not current Signed in.

3.2.2: A prompt for the User to Log in using their created credentials (REF 3.1) must be presented to the User upon clicking the log in button (REF FIG 1).

3.2.3: Once entering the Users credentials the account should log in to upon pressing the log in button within the prompted window (REF FIG 3).

3.2.4: The application must allow a User to log out of a personal account that is currently signed in.

3.2.5: A Prompt for the User to Log Out of the currently logged in account must be presented to the User upon clicking the log out button within the top right (REF FIG 4)

3.2.6 A confirmation prompt must be given to the User to ensure a mis-click does not cause a log out (REF FIG 5). Once selecting the confirmation the user will be logged out of the account (REF FIG 6). If the Cancel Button (REF FIG 6) is clicked the User will return to the same state as when the Log Out button was initially clicked (REF FIG 4)

1. Profile Personalization

3.3.1: Upon account creation (REF 3.1) all Users must have access to observe a personal page of any specified User.

3.3.2: Components of this page must only be customizable by said User while logged into the specific account (REF 3.2).

3.3.3: The User must be able to customize profile picture (REF 3.4) and a personal description section (REF 3.5).

3.3.4: The User’s Personal profile must display the Users most recent posts (REF FIG7). Profile Pictures

1. Personal Description

3.4.1: Each Users profile must contain a text entry intended for Users to write a personal statement.

3.4.2: Only the user must be able to edit this text description (REF 3.3).

3.4.3: To begin editing this description, the user must press the icon found within the top right of the text description (REF FIG 7).

3.4.4: The description must contain less than 250 characters.

3.4.5: If the Users attempts to save a description (REF 3.4.6) with more than the maximum character count of the text description (REF 3.4.4) the User will be prompted with an error window stating the description is over the designated character size.

3.4.6: The User can save or discard the edits to the description by pressing the buttons found underneath the box, save and discard accordingly.

1. Deleting Personal Posts

3.5.1: The User must be able to delete posts from the application after they have been submitted.

3.5.2: The deleting of posts can only be done from the account in which the post was published to the application.

3.5.3: The deletion can be done from the Users personal page (REF 3.3).

3.5.4: To delete a post the User must click the trash can icon located the right of the post (REF FIG 8).

3.5.5: Whenever a User attempts to delete a post a confirmation window will prompt the user to ensure posts are not deleted unintentionally (REF FIG 9).

1. Account Security

3.6.1: Only the User and the Server Administrator should know or have access to know the credentials of said User.

3.6.2: The Administrator must be able to change any User’s password.

3.6.3: The Users credentials are to be stored as plain text items on a secure server on NorthWood’s network.

1. Global News Feed

3.7.1: There must be one Centralized news feed in which any User who is signed in (REF 3.2) can publish posts to.

3.7.2: The News Feed must be shown on the home page of the application (REF FIG 1)

3.7.3: The News Feed must be able to be seen by all Users regardless of log in status or possession of an account (REF 3.1).

3.7.4: Each post published to the news feed must have a maximum of 200 characters.

3.7.5: To post to the news feed the User must be logged into an account.

3.7.6: The User may write and publish a post the news feed by typing within the box found above the news feed and then pressing the submit button (REF 10).

3.7.7: Once a post is submitted for publishing it is checked if the user is logged in and that the post does not exceed the maximum character count. If either are met an error prompt is displayed for the user accordingly.

1. Personal Messaging System

3.8.1: Users must be able to send an instant message to one other user.

3.8.2: To button found within the right panel (REF FIG 1) will allow the User to navigate to the personal messaging system.

3.8.3: Each messages must have a maximum of 1000 characters per message.

3.8.4: Conversations within the personal messaging page must be sorted by most recent.

3.8.5: The personal messaging page must only be accessed from a logged in account (REF 3.2).

3.8.6: Only the two Users involved within the conversation and the administrator should have access or have the means to access pervious and current conversations.

1. Customizable Views (Font Size & Colours)

3.9.1: The User must be able to adjust the font size to a desired size.

3.9.2: The User can adjust the font size from the options button found within the right side panel.

3.9.3: To adjust the font size the User must use a sliding bar. The minimum font size is 12 point, the maximum is 40 point.

3.9.4: A colour blind mode must be made to adjust for the most common forms of colorblindness.

# Non-Functional / Quality

1. Message Time to Push

A reasonably low amount of time should be allowed for a message to be sent and show up on the global feed.

1. User agreement

An agreement between the users, developers, and administrators.

# Meeting Notes

## First Meeting

Staff Required for Input

* Banner Ads at Tops of Screen
* Users Require Training on App Use
* Users Require Shortcuts to Apps
* Users Must Be Able to Recover Password / Forget Passwords Often (Administrator)

User Comments

* Users Lack of Equipment
* Lack of IT Support
* Need Things to Take Little Time
* Communal Messaging System to Combat Exclusion
* Want a Personalized Profile
* Want to Block People so Acquaintances Can’t See Them
* Want to Make Their Own Password, as Complicated or Not as desired
* Hobby Schedules (Need to make sure someone posts it)
  + Email / Phone is current solution
* Colourblindness Support not necessary (Basic Colours)
* Users Are Not Allowed to Share Foods
* Do Not Travel
* Having A Way to Remove Users and Offensive Posts
* Having Some Way for Others to Write Posts
* Voice To Text Posting