2.1. Product Perspective

This software will consist of a web application which the company will use as a social media

interface to communicate with employees.

2.2

R0: Users will be able to create a login

--Each login will have unique email and vice-versa

--when the user creates a password, a password strength tester will appear onscreen.

R1: Users can search for hashtags

R2: Users will be able to create posts with a maximum of 200 characters

--hastags are part of the character count

--hashtags themselves have no limit

--all posts are visible to everyone in the system

--posts will only consist of ASCII characters and hashtags

R3: Users will be able to follow posts/ people

R4: Users will be able to block other users

--Even if blocked, a user will be able to search for content that the person who blocked them posted

R5: Posts will be sorted by chronological order

--When created, a post will automatically have a timestamp

R6: Users will be able to like posts

--Unliking will also be supported

R7: While composing a post, the user should see on onscreen character count

R8: Users should be notified (through email) when someone follows them

R9: Passwords should be recoverable through email

R10: After x failed login attempts, the account is locked out for y minutes

R11: Hashtags should stand out from plaintext

--Each post should be able to have multiple hashtags

R12: When a user logs in, they should go to a home screen

--The home screen should show what you’ve liked in one pane

--another part of the screen should show the posts you’ve made

R13: When looking at a post, no one will be able to see who liked the post

--Everyone will be able to see how many people liked the post

R14: Users will be able to search by username

--Also searching by First Name or Last Name is supported

R15: When a user gets blocked, they should receive a notification

R16: Users will be able to comment on other posts.

2.3. User Classes and Characteristics

- Users of this system will fall into one category: employees. Employees will post

and read messages other employees have posted.

2.4. Operating Environment

- The web application will run on Firefox, Chrome, and mobile devices. The backend of the application will be a MYSQL database on the CSE server. The applicatin will work on Windows, Mac, and Lixus operating systems.

2.5. Design and Implementation Constraints

- The application is limited by a few constraints. First, storage is limited by the space on the CSE server.

Second, the application must scale for a number of screen sizes and must be usable on mobile devices.

2.6. Assumptions and Dependencies

The users of the website will use up to date web browsers. Functionality may suffer on older browsers.