

CSSE 333

Rose-Hulman Institute
of Technology

Greg Callegari
Tyler Rockwood
Jon Jungk

[FRIENDBOOK]

Problem Statement

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Version Information

Version	Date	Comments
1.0	1/12/2014	Initial Draft

1 Executive Summary

The purpose of this document is to describe the problem that our project will be the solution to. In conjunction with an Entity Relationship (ER) diagram, this document is the foundation of our project. This document will begin by describing, in detail, the 'problem' or need that our project will fulfill in the Introduction section. Then this document will contain a high level summary of the problem, a more detailed problem statement and then will conclude with information about the key stakeholders in the project.

Social networking is one of the most prevalent common uses of the internet by users all around the globe [1]. Social networking helps keep people in touch, helps reconnect with others, and also assists people in introductions with new contacts. However, these sites have faced various issues and claims revolving around the issue of personal privacy. Unwanted public internet presence is an issue that has kept many from using social networking sites with ease and comfort of safety. Our solution is a social networking center that will refocus its use around the privacy of others. The creation of this system will provide a solution that will be much more preferable than others to internet users all around the globe.

2 Introduction

This is the first document in many that will describe our Friendbook social networking site. This document will be developed in conjunction with an ER diagram. Upon the completion of this document, documents containing: the relational schema for the database, a security & integrity analysis, an update to this document, and a final report, will be will start to be crafted. All of these documents will be culminating in a final presentation. This document will primarily serve to give an overview of the proposed system and its requirements, and latter documents will go into more detail especially about the implementation of the database system. The relational schema, which is based on the ER diagram, will describe the system's foreign key constraints. The final presentation will demonstrate the finished product, along with describing the design and implementation process.

3 High Level Problem Summary

3.1 Elevator Statement

The product we're designing is a social networking site that resolves the issues that have arisen with other social networking equivalents – internet privacy. Our solution will provide a product that allows users to use a social networking site without the fear of personal data being at risk to exposure.

3.2 Primary Success Criteria

Our primary goal is to create a social networking site that will provide both network security and relevance of information [2]. Our news feed will sort posts based on relevance – based on what you've liked in the past – but all data will be held in a secure manner that will make it inaccessible to the public. This will provide many challenges, but will also have great benefits.

3.3 Scope

3.3.1 Within Scope

1. News Feed Providing Recent Relevant Posts
2. Picture Sharing
3. Private Messaging
4. Status Updates
5. Profile Pages/Business Pages/Media Topic Pages
6. "Fan of..." – Following Pages on Topics
7. Hidden Profile Built off of Interests – based on what you like and comment on
8. Security of Information – Hidden to others who aren't allowed by the user personally

3.3.2 Outside Scope

1. Videos
2. Music
3. Advertisements
4. Games and other Built-In Applications

4 Detailed Problem Statement

4.1 Function

1. The ability to read status updates on a news feed from other friends you are connected to.
2. The ability to post statuses that may or may not include photo attachments.
3. A customizable profile page on which you can post your personal information.
4. Photo album uploader and viewer.
5. Private messaging between users.
6. Fan pages and media pages for popular topics.
7. Pages for business to promote themselves
8. The ability to log in with personal login info.

4.2 Form

4.2.1 Availability

- Web based interface, for ease of use
- Access from everywhere by unique login

4.2.2 Usability

- Free and easy to use
- Fast response time and messaging
- Compatible with Google Chrome (that's all you should be using anyways)

4.2.3 Performance

- Uptime should exceed 95%, to reduce loss of users
- Can support multiple users at once

4.2.4 Security

- High tech security to avoid illegal password retrieval
- Users can only access their own accounts to change info

4.2.5 Maintainability

- The system will be easy to make changes to server side
- Our group members will be the only administrators – no global admins
- We will set up a submission form for bug reports

4.3 Economy

4.3.1 Marketability

There is a huge demand for the use of social networking sites on the internet – and users are willing to try new options. This will provide exactly what users need to want to change over to a new social networking site. The convenience and high usage will make it even better.

4.4 Time

4.4.1 Historical

In the past, users of social networking sites like MySpace and Facebook have been subject to unknown data retrieval that has caused a breach in their private security. We plan to provide a better, safer solution.

4.4.2 Current

Today, users of Facebook have been looking to other sources, such as Instagram for their daily picture sharing and commenting. The use of a new integrated social networking site would be highly appreciated.

4.4.3 Future

In the future, users will be more concerned with security, as they have begun to. Many are worried about their “cyber profile” and what has been shared with others on the internet. This will be a solution that will help put these people at ease.

5 Key Stakeholders

Name	Role
Greg Wilkin	Project Advisor
Tyler Rockwood	Project Team
Greg Callegari	Project Team
Jonathon Jungck	Project Team
Internet Users	End Users
Mark Zuckerberg	End User, Beta Tester
AC/DC	End User, Beta Tester
International House of Pancakes	End User, Beta Tester

6 References

[1] <http://www.sophos.com/en-us/security-news-trends/security-trends/social-networking-security-threats.aspx>

This link explains why it is important to have security measures on your social networking site.

[2] <http://www.businessinsider.com/facebook-news-feed-benedict-evans-2013-12>

The above link explains the importance of sorting the news feed to show people what they want.

7 Glossary

MySpace – An old and outdated social networking site that used to be extremely popular.

Facebook – A more recent and extremely popular social networking site that is used all over the world and has grown into a huge empire.

Cyber Profile – A place on the internet where personal information is stored with (varying) availability to the World Wide Web.

