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CEN4010 – Principles of Software Engineering. Fall 2021

Milestone 1 – Project Proposal.

Group 10 – Emanon.

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Possible project names: Chitter-Chatter, Pigeon Post, Relay, Emanon

Initial project overview/summary

This project is a social media site that provides high-quality connections between its users. Intended as a method of keeping in touch and maintaining a human connection between friends and family when physical contact is not possible.

**Some Details:** Users are able to foster a more in-depth connection than other social media sites through live chatrooms with their friends that allow them to have real-time conversations whenever they feel the need to talk. If users simply want to share something with people they know, they can make posts about whatever they need to share. Users should also feel comfortable using the site with privacy levels that let users specify who is able to see their posts.

**Chatrooms**– text chat minimum, voice chat/calling as a stretch goal. Should be private, and support a few people in one room.

**Posts** – short “tweet” style posts as they default, optional checkbox or some other method to expand the post length. Expanded posts have additional Teaser field where users can specify a preview to appear on other user’s feeds/pages. If not specified, longer post is truncated.

**Privacy levels** – A minimum of 3 privacy levels can be specified for a post:

* public, where anyone can see a post,
* private/friends – where only other users that are at the friend level or higher can see the post,
* extra-private/best friends – where only best friends/privileged friends can see this post.

2 users become friends after one user send the other a friend request, and the recipient accepts it. Each user is able to set the “friendship level” of each of their friends to either:

* normal / friend – default friendship level for 2 users that have become friends through an accepted friend request
* privileged / best friend – higher friendship level that can see all posts.

Once 2 users are friends, each one can independently set the friendship level for the other. For example, users A and B just accepted a friend request, by default, user A can see user B’s public and private posts, but not extra private posts (same for user B seeing user A’s posts). If user A raises B’s friendship level to privileged, user B can now see all of user A’s posts, but user A can still only see user B’s public/private posts. User B does not receive any indication that user A has raised their privacy level (or lowered it), and user B has no indication when looking at one of A’s posts whether it is a public, private, or extra-private posts. Thus, user B (or any user) has no way of knowing what user A has set for their privacy level.

1. **Executive Summary -Andrew**
2. **Competitive Analysis -Andrew**
3. **Data Definitions -Ashley**
4. **Overview, Scenarios, and Use Cases -Maxon / Patrick / Ashley**
5. **Initial List of High-level Functional Requirements -Everyone**
6. **List of Non-functional Requirements -Everyone**
7. **High-level System Architecture -Michael**
8. **Team Roles**
   1. **Team lead, Github Manager, Scrum Master, Front & Back End support**Andrew Sexton
   2. **Front-end developers**

Maxon Corvil

Patrick Messina

* 1. **Back-end developers**

**Back-end lead:** Michael Niebauer

Ashley Davis

1. **Checklist**

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| --- | --- |
| Team decided on basic means of communication | **X** |
| Team found a time slot to meet outside of the class | **X** |
| Front and back end team leads chosen |  |
| Github master chosen | **X** |
| Team ready and able to use the chosen back and front end frameworks |  |
| Skills of each team member defined and known to all | **X** |
| Team lead ensured that all team members read the final M1 and agree/understand it before submission |  |