Claire Spain

Web Server Tech

Prof. Michael Cassens

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Milestone 3

I kept thinking about my Milestone 2 idea, and I kept thinking, “Wait, I hate this.” SO, I’m scratching all of that and I’m creating a social media site called GoodVibes. GoodVibes definitely won’t data-mine your info and sell it. Haha, but seriously, I had hoped to create a social media site that harnesses the best characteristics of other social websites (mostly because I am a wee student who is still learning, but please don’t tell the investors).

I believe social media is a way to share knowledge, this includes but not limited to the ability to manage, search, exchange, and update information.

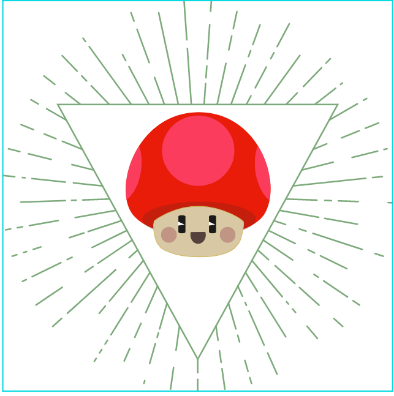


Figure 2: I'm pretty sure this is the Mario mushroom.



Figure 1: Definitely not illuminati

Functional:

* Identity management
* Expert finding
* Context awareness
* Contact management
* Network awareness
* Exchange

This involves social actors, social relations, content, communication tools, privacy and content visibility, ratings, activities timeline, wall, home, and profile.

Website basics~

User can register

User can search

Users can post

Users can repost

Users can follow other users

Users can follow other blogs

Users can join other groups

Users can report

Users can create blogs

Users can create groups

Users can delete posts, blogs, and profiles

Non-Functional:

* Usability- Most users will access social sites through smartphones. Responsive UI/UX is a must.
* Reliability- Ideally this should rely on one central computer/infrastructure. Peer 2 Peer model?
* Security- Requires some correspondence between profile and real person (through phone/email) non-anonymous. It also has to be protected and secured from fake accounts (Use captchas and verifications codes). Encryption/signature keys?
* Availability-All the time :0
* Portability- Should be able to use on web, web on the phone, and apps
* Operability-Design should be simple, but can allow users to create complicated profiles/groups/blogs.
* Maintainability- For me, hopefully by the end of the semester.
* Flexibility- Should allow users to restrict access to their accounts (public vs private) with a press of a button.
* Efficiency-This needs to be responsive, clicks and actions should happen within 0.5 seconds of each other.

There are a few common features that are necessary for a decent social networking site (I found these from the web :0). I plan to aim for them, but I might only be able to implement only a few of them due to some dark voids in my knowledge on all of this. In my Database Design Diagram, I try to address each of these.

[Link to my living diagram design](https://docs.google.com/drawings/d/1z_EgLZ_q5u6P1Qd9chTGi4QfDqT_vjdDuRPPaNQqR5s/edit?usp=sharing)

* Registration. The main requirements are simplicity (exclude unnecessary steps), reliability (make sure user data is protected), and multi-variance (offer several options to register).
* Profile. Creating a user account is the next logical step after registration. The profile includes information about the user and also offers access to his photo albums, personal information, and more.
* Posts. Of course, the main emphasis is on the ability to publish posts. That is, the user should be able to share news, interesting information, and other things with their friends.
* Full-featured Search for groups, brands, people. Any social network website should help people in finding each other.
* Friendship. A user must be able to send a friend request or just follow the account they like in order to see its news in their news feed.
* News Feed. The news feed we've already mentioned allows the user to see what is happening in the lives of his friends and people he is following.
* The Wall (located near Profile). Now it's about the news of the user himself. On the wall, he can place links to favorite articles, write posts, create photo, text, and video galleries/albums.
* Chat. Users should have a chance to chat both in a private mode and in groups.
* File Transfer. Sometimes when communicating a user needs to share a file with his conversational partner. Social network features have to include the ability to transfer files as simple as possible, just in the process of online conversation.
* Bookmarks. Facebook provides a user with the possibility to save articles and posts “for later,” so that he can find the material he liked without any trouble.
* Notifications, another essential feature of almost any application.
* User Status. Some users don’t mind clarifying their status in order to notify others about certain changes in their lives. This may relate to personal life (married, divorced, in love, etc.), work (let's say, you've started to work in a new place), and similar things.
* Analytics. Such a feature is extremely necessary for both users and you, as the owner of the resource. Users will especially need analytical tools if they want to promote their products or services through your site.
* Admin Access. The feature is aimed at those who will manage the site, block unreliable users, and perform other administrative functions.