

cs250_prj02_swaExplanations

Database/servers: The servers that host the website in the internet, and the database with all the information.

If the server is online: database can be accessed. Database has information about the bubbles and the users in the servers

If the server is online: uses an antiDdos/security plugin to protect server from overloading.

User: The users that access the website.

Regardless of login status, all users are able to see bubbles and bubble posts. As long as the servers are online

Users can also login. They need 2 inputs.

Either username or email that is registered to their account.

A password.

If the login is validated by both the server (user info matches database) and by the security plugin (prevents them from logging in if they have too many attempts, and prevents login if a lot of people are trying to login at the same time), they are now a registered user

Registered user:

Have a personalized feed that is managed by the algorithm and stored on the database..

They can create bubbles, which other users can post to, join, and are stored in the database

They can join bubbles, so that the algorithm shows them more frequently these bubbles.

They can also do everything that unregistered users can do.

Algorithm: a software which manages each user's personalized feed, which is stored on the database alongside user data,

Can access information about bubbles and users from the database to see the user's joined bubbles and recently seen bubbles or bubble posts. Based on these pieces of information, the algorithm creates or updates a personalized feed that is stored to database so that it can be updated later and the user gets it upon logging in.

Administrators:

They can do everything that is possible by registered users.

They are also able to access the database of users and bubbles, in order to ban certain users and delete certain bubble posts or entire bubbles.