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CS 35L Project Proposal

BRUINLIST

PRESENTED BY

SECTION 1C

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bruinlist.

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Executive Summary

Bruinlist is a centralized discussion platform that aims to serve the Bruin community. Comprised of category based discussion forums that allow students to make posts to coordinate purchases and giveaways, share event information, and much more, Bruinlist aims to make our large campus more connected and serve as an information hub for UCLA students.

Features

Dynamic Data

When a user makes a post on a forum, the webpage will change in response to the new content. Every user on the platform will then be able to view this post and its content. In addition, when users like and dislike posts, the associated numerical values on the webpage will change in response. Owner of the post may also edit the post afterwards and repost their changes to the webpage.

Back-end

After the user clicks “post,” the content of the post will be uploaded to our back-end and database, that will be stored securely on the cloud.

Searching

Users can utilize our search bar to search through the posts on the website and narrow it down to what the user may wish to see. This data will be retrieved and queried from our server-side data. Searching properties may include keywords, associated tags, date, username, etc.. Once the searching result appears, users can also change the order of the list by changing the sorting pattern.

User Authentication

For login and profile creation, the website will integrate Google Sign-In for users to sign up and login. By doing so, we essentially delegate secure authentication to Google and utilize their strong cybersecurity practices. If possible, we may utilize UCLA SSO in order to ensure that all users are UCLA students.

Liking and Disliking Posts

Users can like and dislike posts based on their reaction to the content

User Profiles

Users can visit other user's profiles, which would display their profile picture, general biography, major, year, and other miscellaneous information. Users can also elect to follow profiles.

Credit Leaderboard

Each user will have a certain number of credit points that is calculated based on a formula based off of the user's number of likes, dislikes, and followers. One of the pages of the website can display and update a leaderboard of users with the most credit points.