

## **Minecraft Web Forum**

### **Group 18**

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### **Introduction**

For our group's web application, we decided to create a Web Forum about Minecraft. This web forum as opposed to other web forums will be based around Minecraft which means the overall aesthetic will be in the likeness of Minecraft. This web forum will serve as a space for fellow minecrafters to talk about the game as well as a platform for the developers of the game to update their community.

### **Description of the Web Application**

In order to make this Minecraft-style web forum a reality, we should implement the basic skeleton of a web forum first. The elements that make up a web forum will be listed below. For the front-end of our web application, we will make use of front-end libraries such as React and/or Bootstrap. As for the back-end, we only plan to use the recommended software to use in class.

Required Functionalities according to the Project Specs Doc:

- User Accounts (Register, Log-in, Log-out) - The web forum will allow users to create their own accounts in order to be able to post and comment on posts. A user can register an account, log in to their account, and log out of their account.
- User Profile (View, Edit, Delete(?)) - Each user account will have a user profile, which makes up a profile picture, the name of the user, and a bio for the user that will be editable by the user in question. Other users will be able to see this information as well as the posts and comments that this user made.
- Posts (View a post, View all posts, Create post, Edit post, Delete Post) - In the web forum, each user can create a post/thread which will be public by default. Only the author of the post can edit it within an arbitrary period of time after their post was submitted. Each post will have a date and time they were submitted, as well as the date and time it was edited (if ever). A user can also view a post from the list of all posts/threads as well view individual posts.
- Tags (?) (Add tag) - When creating a post, a user may opt to add a tag, which can be used as a search criteria as well as a filter criteria for filtering out the posts. Tags cannot be applied to comments under posts.

- Comments (?) (Add comment, Edit comment, Delete comment) - Any registered user will be able to comment on any post. Same as creating posts, users will be able to edit their comment after an arbitrary amount of time the comment is submitted, after which it will be uneditable. This means it will also be visible to other users if a comment has been edited or not. Only the authors of comments will have the ability to delete their comment. Users can also reply to comments, which can nest indefinitely.
- Ratings (Upvote, Downvote) - Every user will be given an option to like or dislike any comment or post in the forum. This data will also be used to sort popular posts and popular comments. For posts, popular posts are grouped into a section that can be clicked. For comments, the top most comments for every post will be the most popular one.
- Search (Filter posts/comments) - Any user will be able to search through the entire web forum through a search bar, as well as filter out specific tags if they so desire.

Additional Stuff we can add to the web forum (NOTE: This may or may not appear in the final version):

- Moderators - In addition to regular users, we can also have moderators. A moderator is a user that will have the regular functionalities as a user, in addition to being able to manipulate any post/thread and comment on the forum (including deleting posts/comments), and archiving a post/thread (more on this below).
- Archiving - A user or moderator will have an option to archive a post, this means no user will be allowed to comment under this post anymore. Relevant information will be shown to a viewer to show that a post is archived. A user can only archive the posts that they authored (the option to archive the thread will not be shown to non-authors of the post), while moderators can archive any post.