

Functional Requirements – Group 2

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1. Registration

- a. This feature allows the system administrators to create new users
- b. New users must log in by entering the necessary information:
 - Username
 - Password
 - Date of Birth
 - Email
 - Phone Number
 - Check if whether user is eager to follow-up with updates or not
 - Check if whether user approves of their account statistics to be used for analytics or not
- c. System administrators will not approve new users who are:
 - Below 16 years of age
 - Using inappropriate usernames
 - Using the same email to make a new account

2. Logging In and Logging Out

- a. Approved users who log in will be designated to their respective settings (e.g. user, administrators, owner)

3. Collaboration

- a. This function allows approved users to collaborate on the application via posts which may include:
 - A timeline post which may include text, images (.jpeg, .png), videos (.mp4), hyperlink, and map location.
 - A reply post with the same features stated above
- b. Another way of collaborating is sharing, tagging, and pinning location of various physical media and where they were last sighted
 - This will be represented by icons of the images on the map
 - This will be displayed in real-time for other users to see

4. Moderating User Collaborations

- a. User collaborations will be filtered first for any undesirable content or site violations. These include:
 - Inappropriate words
 - Calls to violence
 - Sexual harassment
 - Threatening users or the administrators
 - Blackmails
 - Attempts at any cybersecurity threats
 - Links to harmful or unverified websites

5. Profile Management

- a. This feature allows users to manage and update their personal profile
- b. The profile management includes the following:
 - Edit username, email, and phone number.

- Update preferences for receiving updates and analytics sharing.
 - View contribution history such as posts, replies, likes, and pinned media.
 - Delete account if the user chooses to withdraw from the platform.
- c. The system will enforce restrictions to:
- Prevent duplicate usernames or emails
 - Ensures that pictures will meet the format requirements need(.jpeg , .png, max size 10MB)

6. Map

- a. This feature allows the user to interact with the built-in dynamic map that is integrated within the app that displays the locations of the available physical media posted. The following functions include:
- Pinning the exact location of the media.
 - Viewing nearby pinned media.
 - Clicking pins to view post details (images, description, contributor, etc.).
 - Filtering pins by type of media (games, books, movies, etc.).
- b. The system updates the map in real-time to reflect new posts and available media posts.

7. Moderation

- a. This feature in the system allows the Administrators to view reported user posts, comments, and activities. The Following functions includes:
- Approving or rejecting flagged content.
 - Removing inappropriate usernames, posts, or replies.
 - Issuing warnings, suspensions, or bans to violators.
- b. The system can automatically flag suspicious or repeat violations for administrator review.

8. User Settings

- a. The features allow users to edit system configurations and account preferences.
The following functions include:
 - Changing password, email, or phone number.
 - Opting in/out of notifications and updates.
 - Managing privacy preferences (e.g., analytics sharing).
- b. This ensures that the system has some secured updates by requiring authentication such as the multi-factoral authentication for sensitive changes.

9. User Customization

This system allows the users to personalize or customize the application's appearance to modify and suit their needs.

The following features included:

- Uploading profile pictures and cover images.
- Customizing profile themes (light/dark mode, accent colors).
- Setting a display name or status message.

The following restrictions are:

- Profile images must follow content guidelines.
- Display names must avoid offensive or restricted words.

10. Image Moderation

This Feature in the system allows administration of image uploads to observe and prevent inappropriate or malicious image uploads to ensure safety in the platform

The following feature include:

- Automatic detection of prohibited content (e.g., explicit, violent, or offensive images).
- Administrator review of flagged images.

- Blocking of corrupted or unsupported files.

11. AI Analysis

This feature allows the artificial intelligence to improve search moderation and improve smart recommendations based on the users preferred item searches throughout its history

The following features include:

- AI-powered searches for media by recognizing text and object patterns in images.
- AI-assisted tagging to auto-suggest categories (e.g., “video game,” “book,” “DVD”).
- AI-based content filtering to detect inappropriate uploads before publication.

The system will continuously improve through the use of machine learning from user interactions and searches to ensure it matches the needs of the users.