**Web
Application**

Functional
Documentation

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Introduction

Rizel's fun forum is a website that allows users to engage with one another by writing posts and exchanging knowledge about a specific topic. Rizel's fun forum was designed as it is a wonderful way to form social relationships and cultivate a feeling of community.
The application is like a basic forum that allows users to share various posts, ideas and topics with other users.

There are 3 set of users in the application. Admin, Post creator and regular readers. Admin has access to the entire application and its features. Admin can add, modify, remove other users and their roles in the application. Admin can also create new categories that the posts beings to, which the creator selects while creating a post. Admin can create posts, review and either approve or reject other user's posts. Post creators has the access to view the posts from other users that are approved by the admin and create, edit, delete their own posts. Readers has only the ability to read the posts on the dashboard after login.
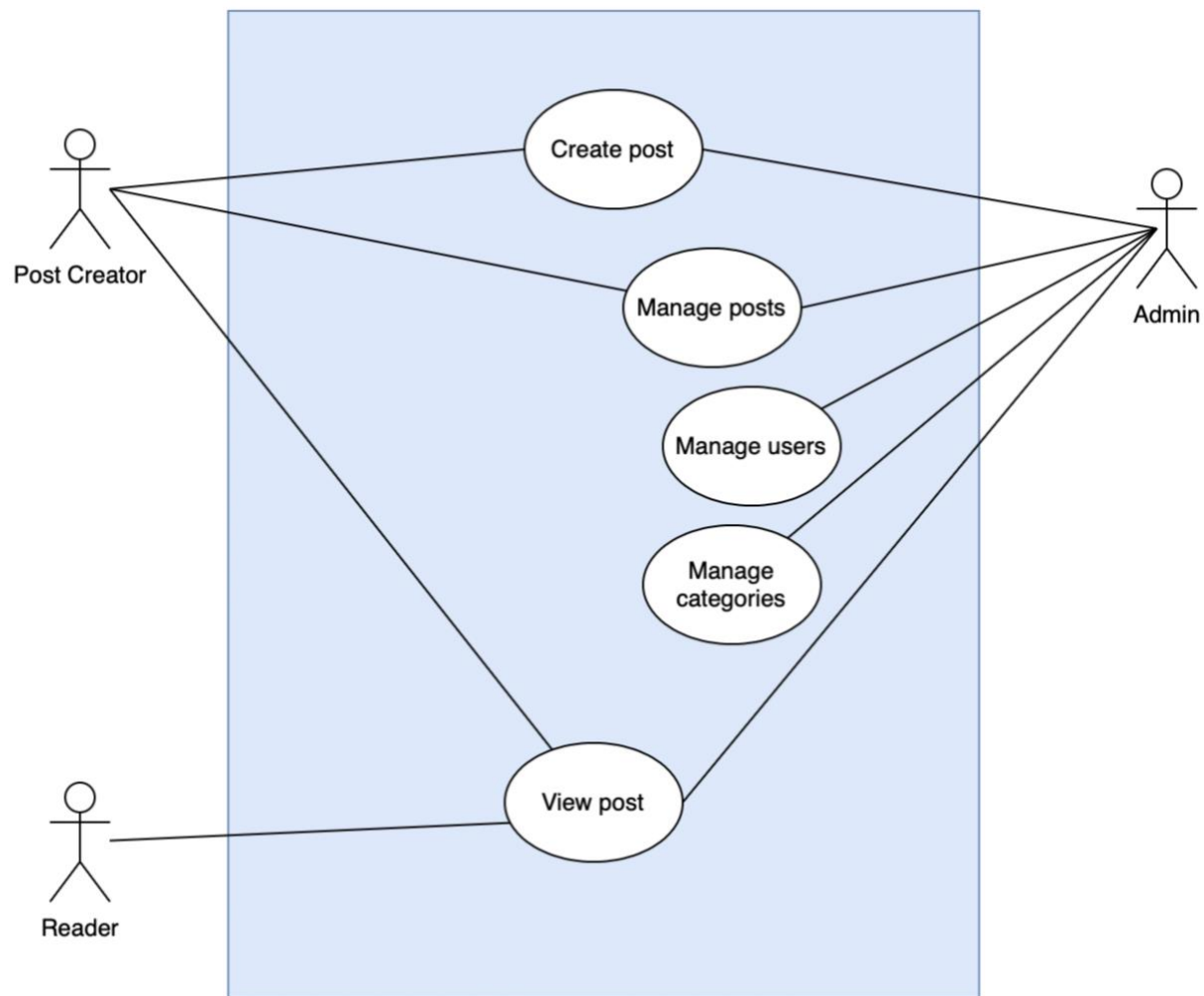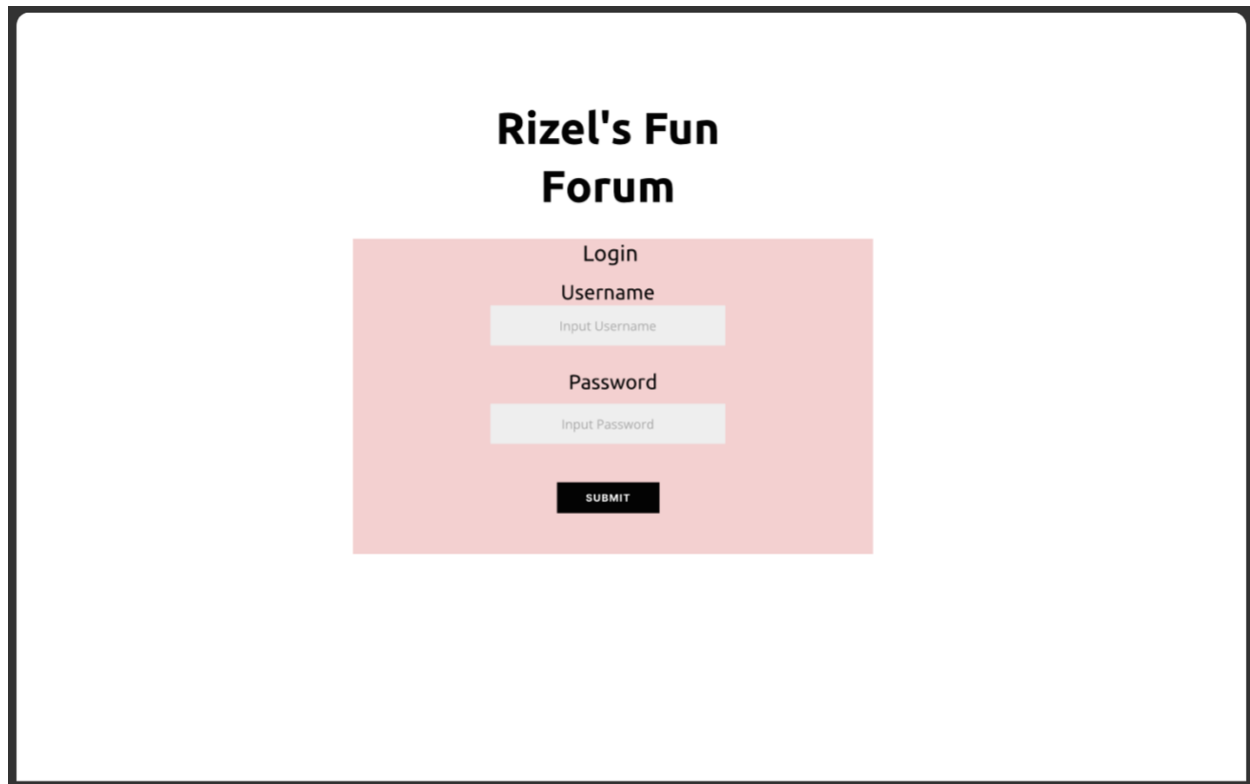
Use case diagram

Figure 1: Use case diagram for the forum

The use case diagram depicts the exchanges that take place between the forum and the actors. In this case the actors would be the reader, admin, and post creator. The admin has the ability to view posts, create new posts, manage posts made by everyone including themselves, manage the users on the forum and manage the categories. The post creator just like the admin can create new posts, manage posts only made by them and view everyone posts. The reader would only be able to view other posts.

Wireframes
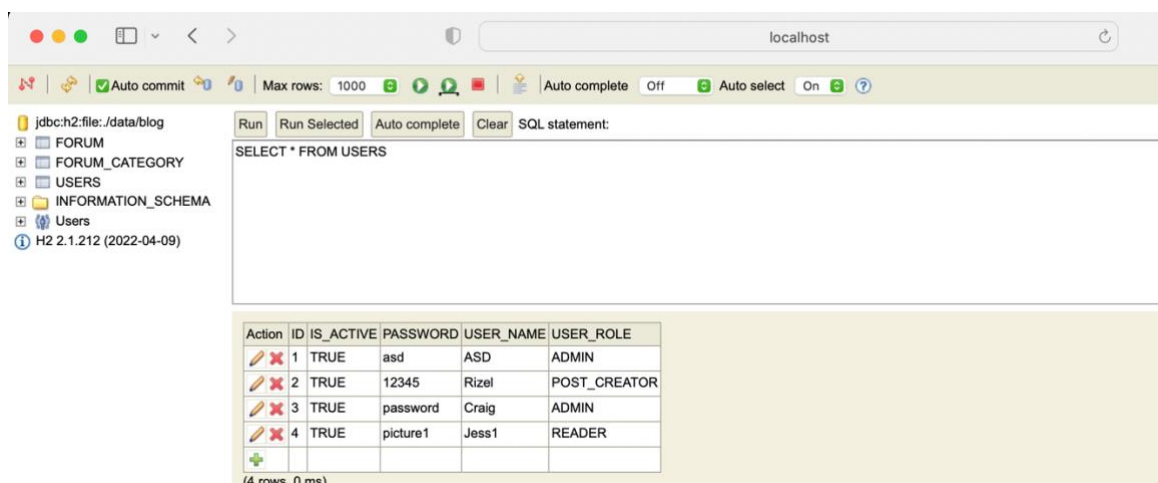
This is the login page for the forum, the user must have a login. The forum can be accessed by the admins, readers, and post creators with logins.

Figure 2: Rizel's Fun Forum Login page

If the user does not have a login they can only be added directly through the admin or through the database as seen below. The link to access the database is http:localhost:8080/h2 and the username and password for the database is just cms.
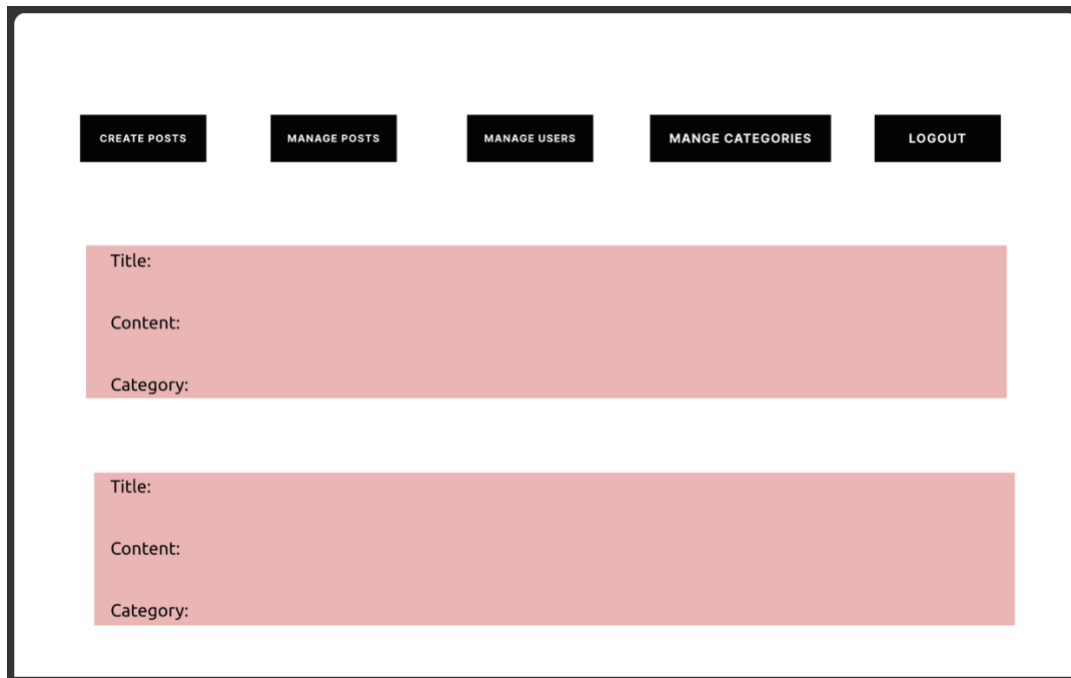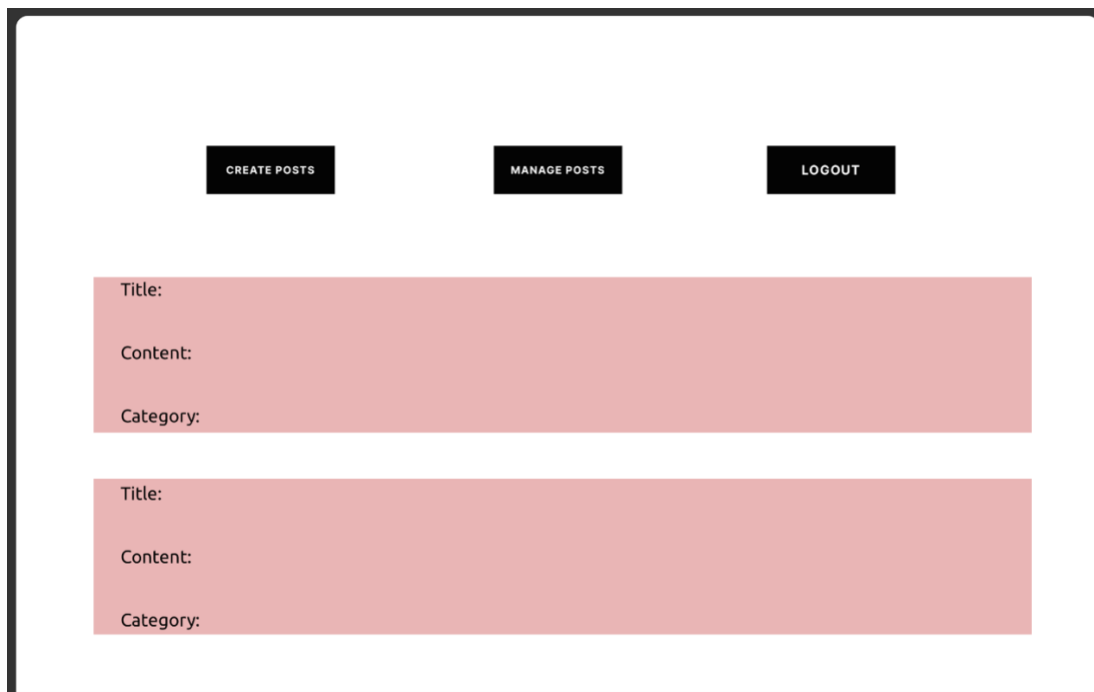
Figure 3: The Forum database (User table)
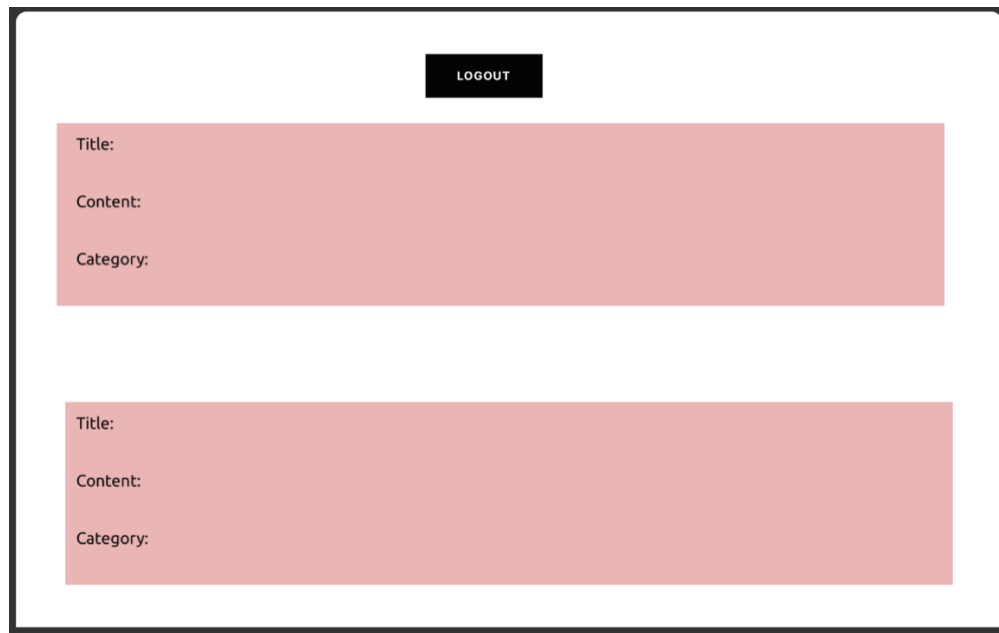
Figure 4: Admin's Main page

The admin's main page shows previous posts made and approved and at the top of the screen has options for the admin to create posts, manage posts made by them and other users, manage users, manage categories and logout. Logging out will redirect all users to the login page.
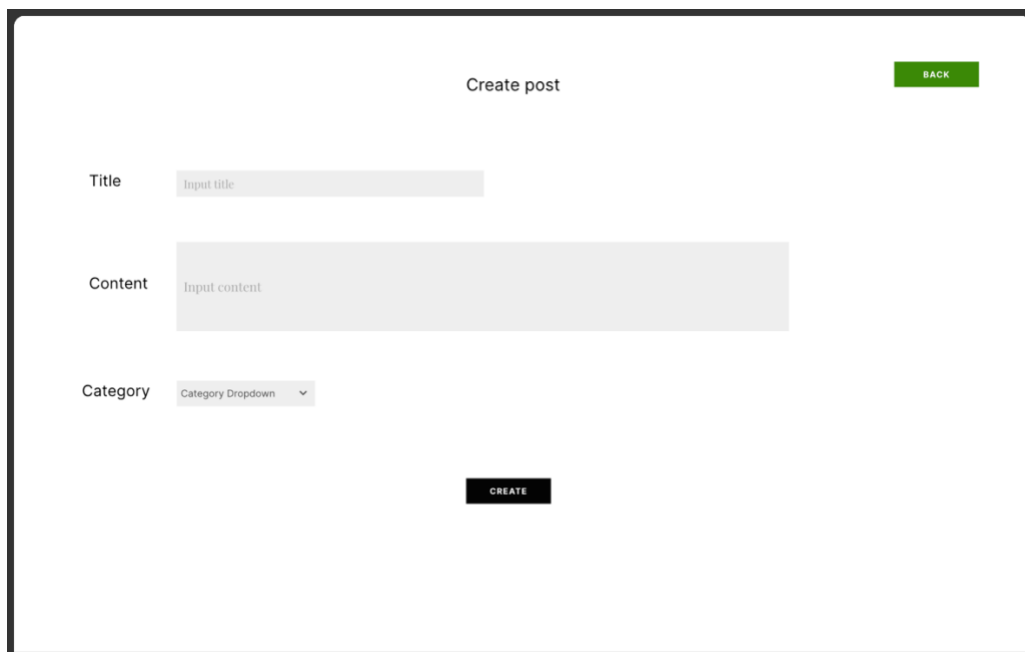

Figure 5: Post creator's Main page

Post creator's main page also shows pervious posts made and approved by the admin, at the top of the screen they also have options to create posts, manage posts that only they've made and logout.

Figure 6: Reader's Main page

The reader main page only displays posts made by other users, the reader will only have an option to logout as they are not a post creator or admin.

Figure 7: Create a post page

The create a post page can be accessed by admins and post creators from the main page , it allows them to create a post by inputting the title, content and using the category drop down to use the pre-added category.

BACK

Title:

Content:

Category:

DELETE   UPDATE

Title:

Content:

Category:

DELETE   APPROVE   REJECT

Figure 8: Manage posts page for the Admin

This is the manage posts page for the admin that can only be accessed from the main page , this is where they can see the posts that have been made by themselves or other users. When a post creator or admin creates a post before it gets added to the main page the admin has to decide whether they want to approve or reject the post. Admins also have an option to edit/update posts made by them or other users.

Manage Posts

BACK

Title:

Content:

Category:

DELETE   UPDATE

Figure 9: Manage posts page for the Post creator

The posts creators only have the option to delete and edit/update posts made by them.

Figure 10: Manage Users page for the Admin

This is the page in charge of managing users, this page can only be accessed by admins from the main page. The manage users page displays all the users by the username and user role, the admin will also see two buttons under the username and user role, one would be to delete the user and one would be to update the user. Deleting the user will remove the user from the website and the database, so the user will no longer be able to login. At the top of the screen there is a button that allows the admin to add users. When clicked it redirects the admin to a add user page. As seen below.
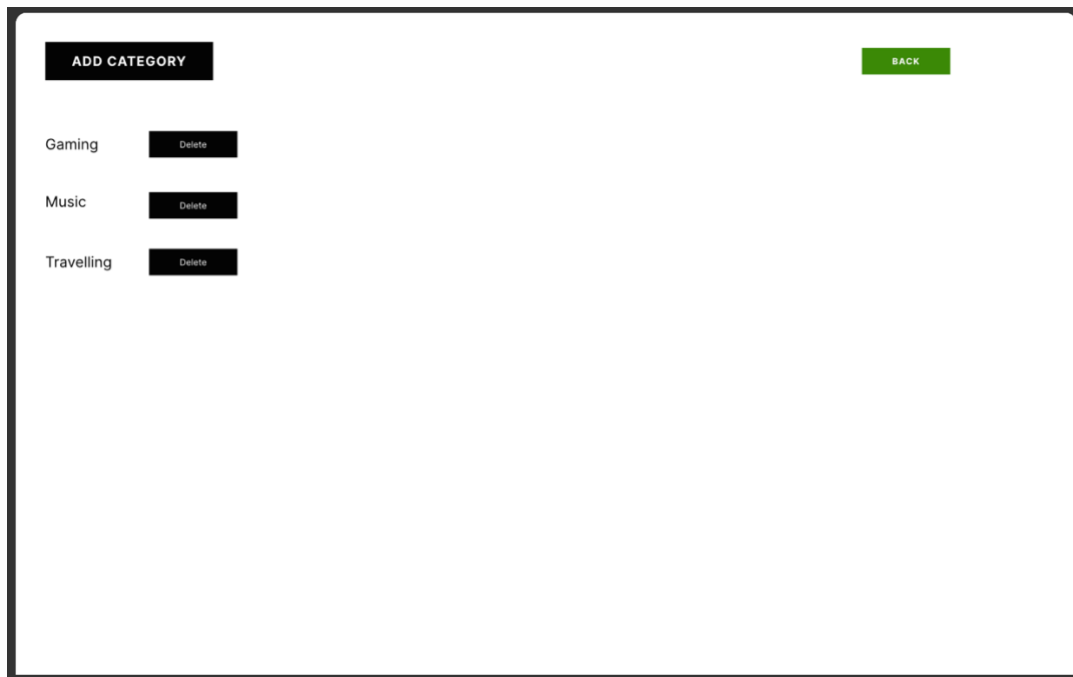

Figure 11: Add User page

The add user page allows the admin to add a user by letting them input a username, password and selecting a user role from the drop down. The users role can be a admin, reader or post creator.

Figure 12: Manage categories page

The manage categories page can only be accessed by admins from the main page. On this page the admins have an option to delete existing categories or at the top of the screen thee have an option to add a category. When the button is clicked it redirects the admin to a add category page. As seen below.

Figure 13: Add category page

The add a category allows the admin to input a new category so users creating posts can make use of it.

Justification of other choices

For each of the different pages on the forum I kept the background a plain white as cleanliness, brightness, and simplicity are some qualities that white might imply, although on each of the pages the background has a nice + design. The color of design changes on every page to give the website a more fun and welcoming appearance. Other than the colors, the website was kept quite simple, so no use of images or animations have been used.