User Registration Description:
Users can register a new account by providing a unique username. The registration process stores the user's information in the database.

User Login Description:
Registered users can log in to the application using their username. Successful login creates a session for the user, allowing them to access protected routes.

```
Opening database file: microblog.db
Users table exists.
Users:
{
  id: 1,
  username: 'user1',
  hashedGoogleId: 'hashedGoogleId1',
  avatar_url: '',
  memberSince: '2024-01-01 12:00:00'
}
{
  id: 2,
  username: 'user2',
```

```
  avatar_url: '',
  memberSince: '2024-05-31T00:06:28.267Z'
}
{
  id: 6,
  username: 'Zhen Ni (Allen Ni)',
  hashedGoogleId: '110740790351137440502',
  avatar_url: 'https://lh3.googleusercontent.com/a/ACg8ocJT8La-S2Gkte3mjb_qCclEKHqkkieQFZgv0Vt-RFcR_XLDvw=s96-c',
  memberSince: '2024-05-31T01:32:58.690Z'
}
Posts table exists.
Posts:
{
```

Google OAuth Authentication Description:
Users can log in using their Google accounts through OAuth authentication. This method provides a secure and convenient way to access the application.

Post Creation Description:
Authenticated users can create new posts. Each post includes a title, content, and timestamp, and is stored in the database.

Post Listing Description:
The home page displays a list of all posts in reverse chronological order. Each post shows the title, content, author, timestamp, and the number of likes.

User Profile Description:
Each user has a profile page displaying their personal information and a list of posts they have created.

Avatar Generation Description:
Each user is assigned a default avatar generated based on their username. The avatar is displayed alongside their posts and on their profile page.

Emoji Integration Description:
Users can add emojis to their posts using an integrated emoji panel, enhancing the expressiveness of the content.

Future Improvements and Planned Features

Currently, the delete post feature is still under development and will be improved to provide a smoother user experience. I also plan to add an account deactivation feature to give users more control over their accounts. In addition to these, I aim to enhance the visual appeal of both the login page and the main page by implementing more sophisticated and aesthetically pleasing CSS designs. The like functionality will also be updated to ensure that each user can like a particular post only once, enhancing the accuracy of the like counts. Moreover, I plan to introduce a feature that allows users to bookmark or save posts for future reference. I'm continually brainstorming and conceptualizing additional features to further enrich the user experience on our platform.