Known Issues and Future Enhancements

Tokens stored unencrypted in database

While we do hash user login passwords, Mastodon Oauth tokens are much more tricky to handle. This is because if we were to hash them before storing them into our database, we will have to unhash them before we can interact with the Mastodon API. This is not a simple task.

Best practices require tokens, such as user access tokens, to be stored in an encrypted secrets vault. This can be done in future hypothetical iterations of the project.

Database configuration and permissions

Database access by the application needs to be regulated through user-level permissions. In particular, since the test suite drops and creates the database schema for each test, the test suite should not have the permissions to drop the schema for the production database, and should only have access to the test database.

Infinite Scrolling

We currently have a minimal viable product that amalgamates feeds from different servers. However, a fixed amount of posts is currently being fetched from each server. An important feature to add would be infinite scrolling: As the user scrolls towards the end of the home page, more posts should be fetched and amalgamated from the various servers.

User Experience Improvements

There are details required to make the user experience smoother. These include:

- Confirmation message should appear when a new account is successfully registered
- Autofocus on fields (eg. on registration page)
- Requirements for a valid password (length, character diversity etc.) should be clearly displayed to the user
- Register/Login buttons should not be clickable if the required fields are not filled