StyleShow Application Proposal:

My proposed app is StyleShow, a social media application centred around shoes. StyleShow can be used to find popular shoes and to identify fashion trends. It also creates a platform for shoe enthusiast to communicate and share their passion for shoes.

Users will be able to create a shareable post with an image and caption. Other uses can 'like' and add comments on such posts. Users will be able to see a randomized feed, a most popular feed, and a personalised feed which only consists of posts made by users they follow. Users will also be to privately message other users.
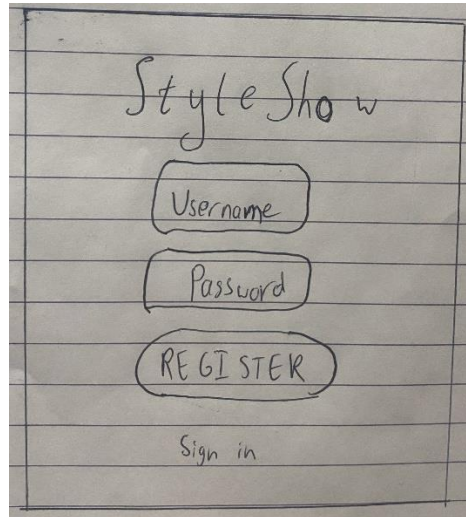
The app's UI will follow the Material Design 3 guidelines. The app will use a custom server API written in JavaScript.

Features:

- Screen to be able to create account, or sign in.
- Ability to CR_D a post.
  - Permission to access camera/camera roll.
  - Ability to CR_D a post comment.
- Ability to privately message other users (CR_D).
- Push notifications whenever user receives a message, implemented using a custom Service.
- Ability to switch between random, most popular, and personalised feeds.
- Ability to follow other users so their content shows up in personalised feed.
- Ability to search for a specific user.
- Ability to CRUD the user's profile:
  - Change username, profile picture, bio, password.
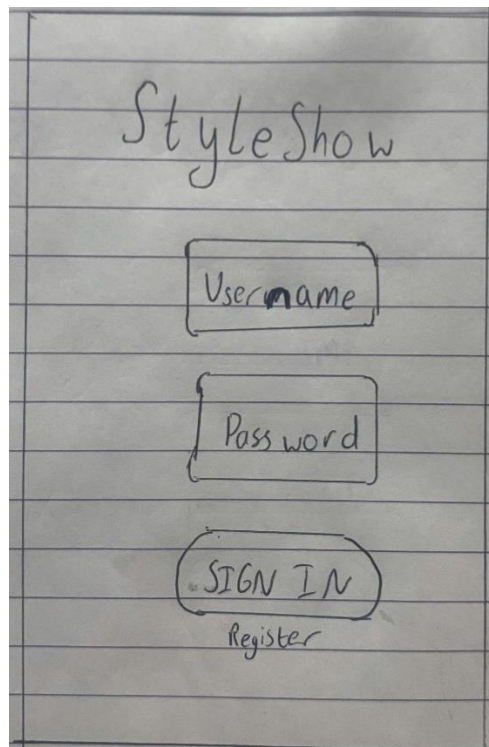- Ability to switch between light and dark mode (stored in SharedPreferences).
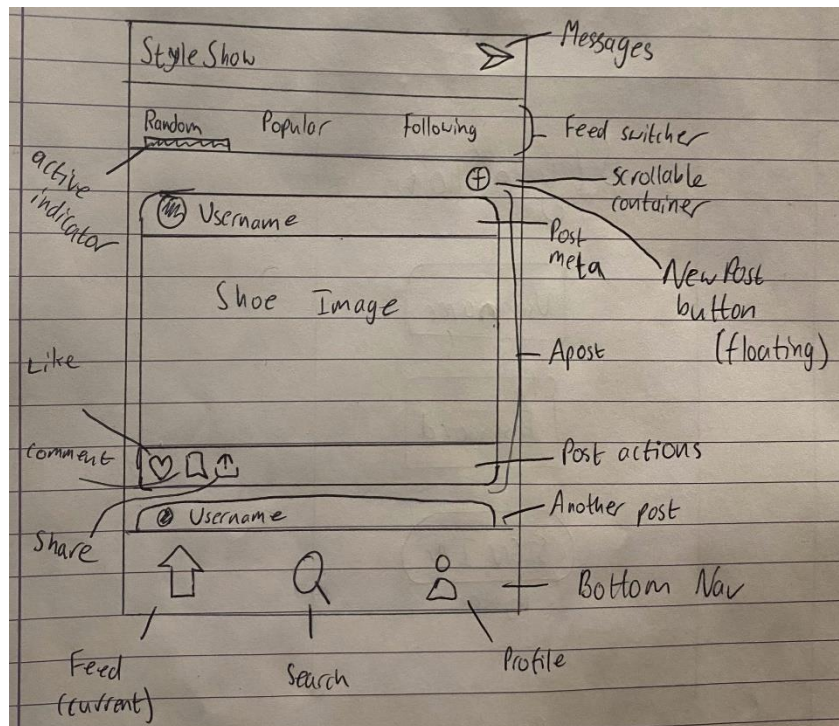
UI Sketches

Register Screen:

- User enters credentials for a new account.
- Credentials are validated server-side and if successful, takes user to the Home Screen.
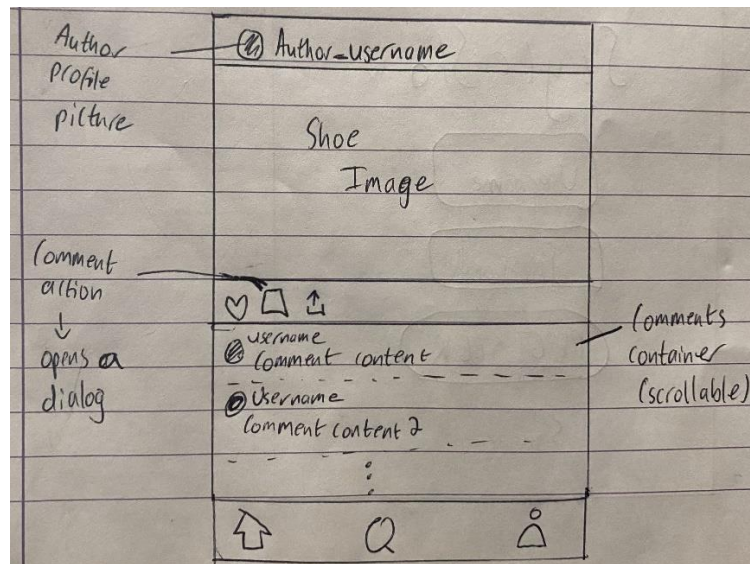- If the user already has an account, they can reach the Sign In Screen from here.

Sign In Screen:

- User enters their credentials, which are validates server-side.
- If sign in is successful, take user to the Home Screen.
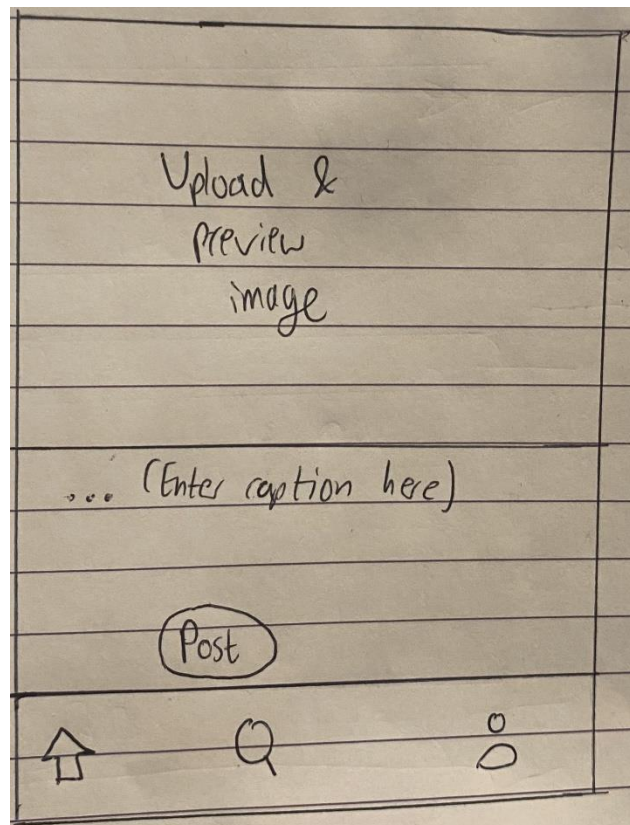
Home Screen:

- Displays the posts (will also display caption) that correspond to the currently selected feed type.
- Can access the Messages and New Post Screens.
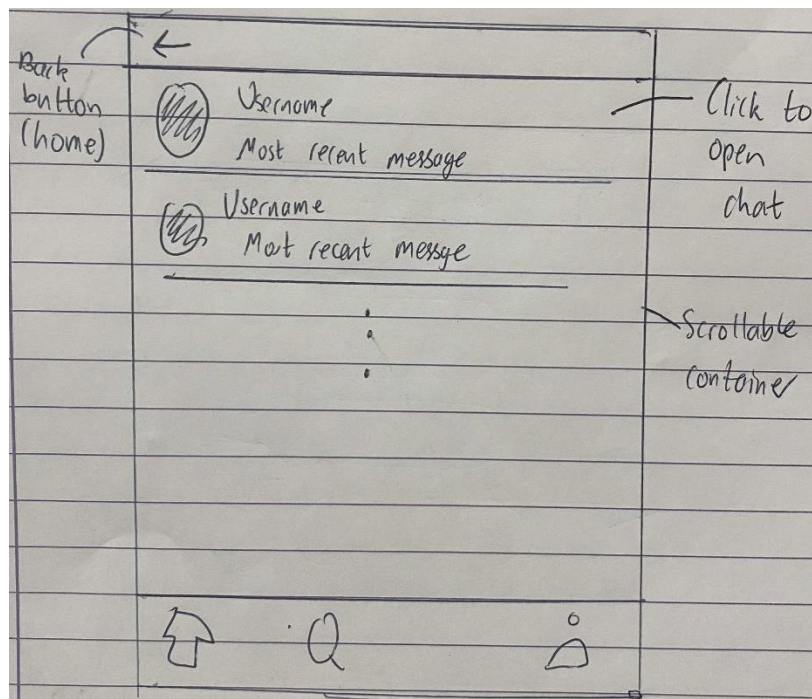- Features the common bottom nav.

Post Screen:

- Will also display post caption.
- User can view post comments.
- User can comment on the post.
- Tapping on the author's username takes the user to their profile page.
- Post author will have a button that will take them to the New/Edit Post Screen.

New/Edit Post Screen:

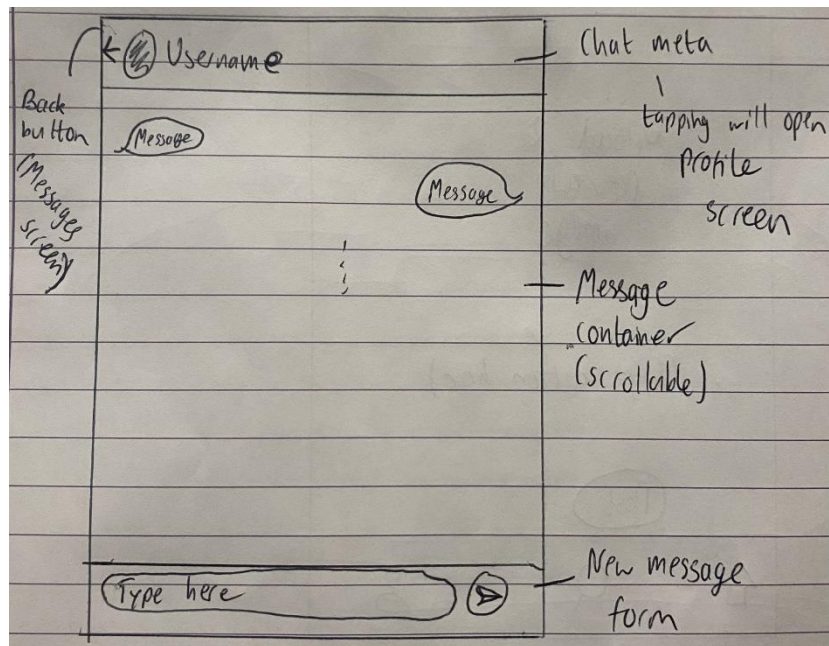- The user can manage a post's contents - image & caption.

Messages Screen:

- Displays all the user's conversations, with the most recent message as a preview.
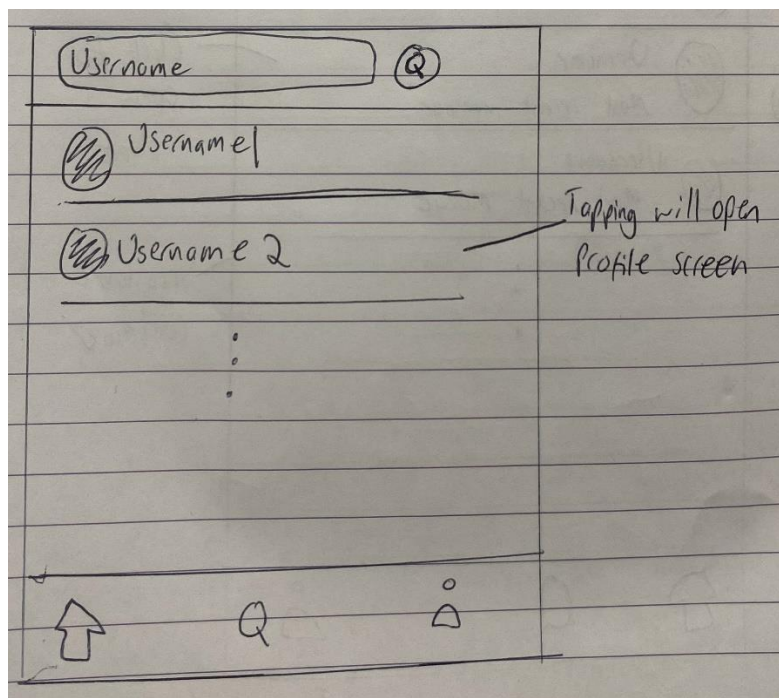- Sorted by conversation with the latest activity first.
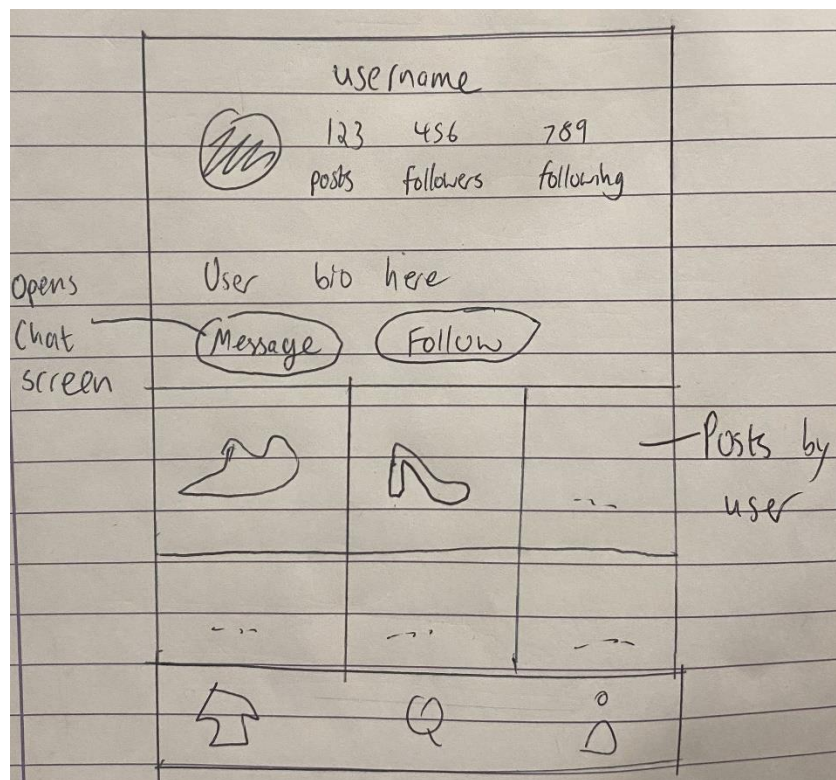
Chat Screen:

- The user can send a private message to another user.
- The user can view the private messages received from this user.
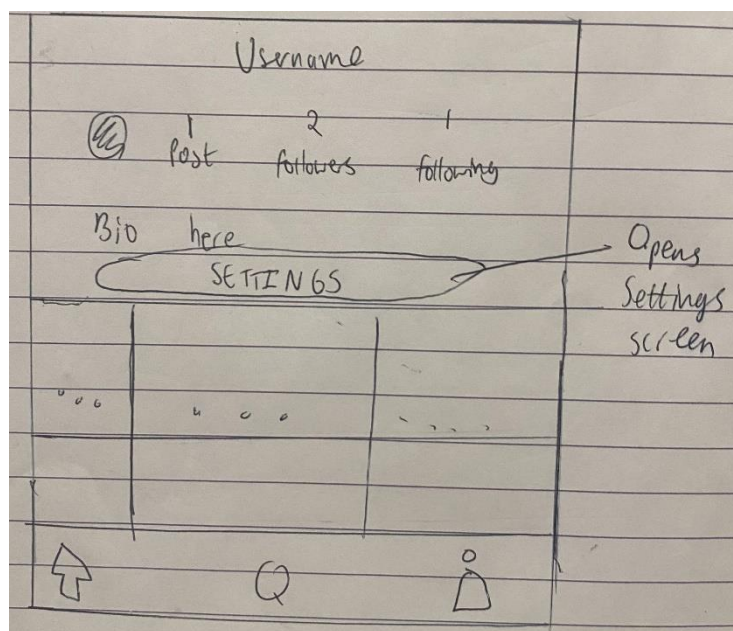
Search Screen:

- User can search for a user by their unique username.
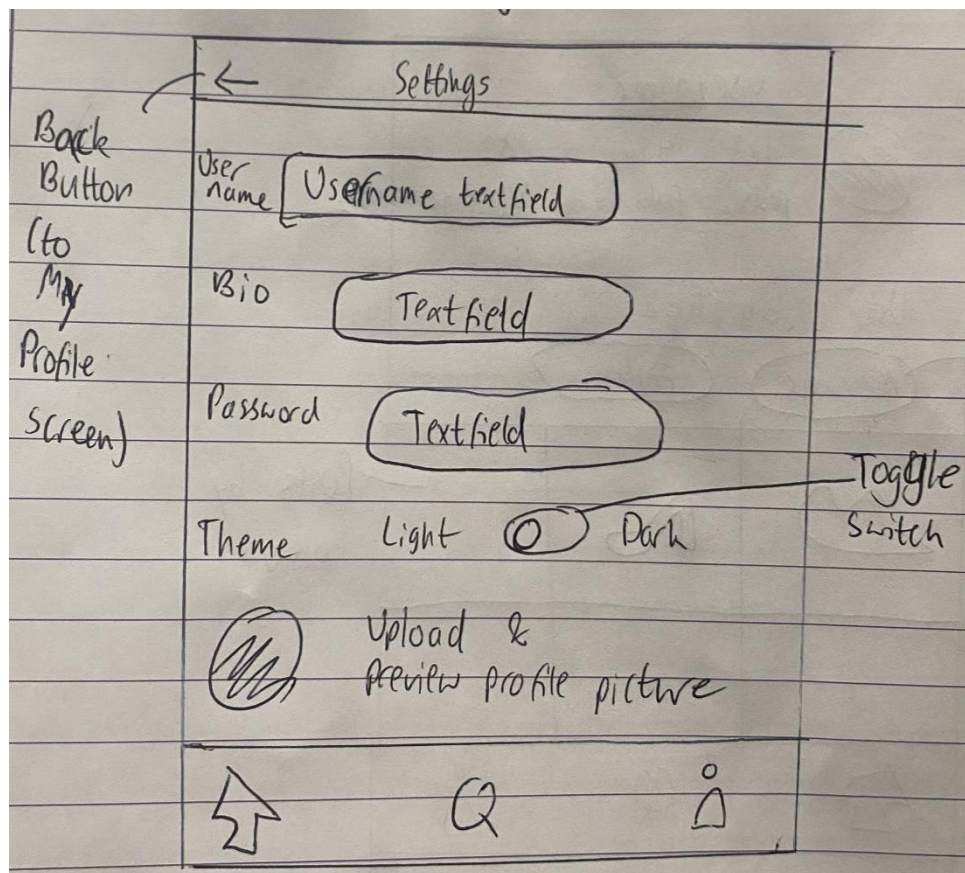
Profile Screen (not the signed in user):

- Signed in user can follow/unfollow this user.
- Displays the posts this user has made.
- Signed in user can send a message to this user.

My Profile Screen:

- User can view the posts they have posted.
- User can go to Settings screen.

Settings Screen:

- User can change their username, profile picture, bio, and password.
- User can toggle between light and dark mode.