Team 14 Project Charter CS307

Team Members

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Problem Statement:

The open-source, federated social media service Mastodon has various clients available, but each has somewhat limited functionality compared to its web UI, especially on mobile platforms. Our project aims to be a better client with higher functionality and usability for Android platforms. Our project will include various customization options, notification settings, and other features in an intuitive user-friendly interface.

Project Objectives:

1. The application will be written in the Java programming language for compatibility with more recent versions of Android.
2. The app will have a sleek, user-friendly layout and design.
3. The app will include more complete support for Mastodon’s features.
4. Features will be prioritized in the app's development based on survey responses from current Mastodon mobile app users.

Stakeholders:

* Project Owners: Alexa Baker, Daniel Raftery, Steven Daniel Vaughan, Michael Woods
* Developers: Alexa Baker, Daniel Raftery, Steven Daniel Vaughan, Michael Woods
* Users: Typical users would include anyone currently using Mastodon with an Android phone. A smaller subset would be new users of Mastodon switching from traditional social networking platforms.
* Project Coordinator: Tara Williams

Project Deliverables:

* Users will have the ability to send and receive Mastodon “toot” messages.
* Switching between timelines (personal, local, federated) will be implemented.
* Users will be able to be delete and re-draft messages, typically useful due to the necessity of fixing typos.
* The app will support multiple included themes and user customization.
* The client will include support for users with multiple accounts.
* Multiple notification settings (boosts, favorites, mentions, new followers) will be available to tailor content and activity to the end user’s needs.
* The app will support backing up user account information (messages, uploaded media, followed/blocked/muted user lists, profile picture) to local storage.