CS 307 LE02

Team 14 Project Charter

Twistter

**Team Members:**

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**Problem Statement:**

Existing microblogging social media applications, such as Twitter, fail to provide sufficient ways to filter content for users. With traditional Twitter, users can either view their “timeline,” a roughly chronological sorting of the microblogs, re-posts, and reactions from other users they choose to follow. If users want to view content relating to a certain content, they must use a search feature to find microblogs containing relevant hashtags. In short, users wanting to limit the content they see to a few select topics may feel frustrated by existing implementations. To solve this, we are developing Twistter, a microblogging application where users will have more extensive content filtering options for their timelines. With Twistter, users will be able to choose whether they wish to view all content from those they follow like traditional Twitter or to filter out content irrelevant to a few select topics. With this filter implemented, we hope to remedy this user frustration.

**Project Objectives:**

* Build a web application for people to share microblogs and read microblogs posted by others.
* Implement a way for users to react to others’ microblogs by either liking or quoting.
* Create a way for users to filter the microblogs they read by topic and by user
* Allow users to freely edit their own profiles, including the topics associated with their profile, their picture, their userline. Also, allow for users to delete their profile.
* Design a UI compatible with both mobile and desktop which supports color schemes and is accessible to people with disabilities

**Stakeholders:**

Users: People who want an alternative microblogging application which allows them more control over the content they see in their timelines.

Developers: Baxter Govan, Connor Brown, Hunter David, Ryan Klinedinst, Steve Eisner, Victor Pan

Project Manager: Ashwin Gokhale

Project Owners: Baxter Govan, Connor Brown, Hunter David, Ryan Klinedinst, Steve Eisner, Victor Pan

**Deliverables:**

* A React JS and Bootstrap based front end web application that allows users to register new accounts, log in to existing accounts, edit or delete their profiles, write microblogs and attach topics to their microblogs, follow or unfollow [user, topic] combinations, read their timelines, engage with posts by liking and reblogging, and look at other users’ profiles.
* A Java backend hosted on AWS to manage network requests
* A SQL database to store user information and quickly handle data requests
* A UI which supports various different color schemes, ensures compatibility between mobile and desktop, and is accessible to people with disabilities