

CSCI4448 Project Writeup

Name: Kyle Helmick

GitHub Link: github.com/Kyle-Helmick/csci4448-loop

Title: Loop

Project Summary

Loop is a fake social media platform for developers. Users sign up with Github and effectively have access to a twitter clone. They can edit their handle, location, and name and make posts to their "page". If the user chooses to, they can create a group that others can join and make posts into the group (everything is public just like twitter).

Project Requirements

id	requirements
00	The server authenticates with Github OAuth2
01	The server can access OAuth2 user data returned from Github
02	The server initializes the users' profile using the data from Github in the form of a User object
03	The server creates a document in MongoDB for the user profile under the collection users
04	The server creates a websocket integrated session for the user that times out at 1 month (prompting the user to sign back in)
05	The user can edit their bio, handle, location, and profile picture
06	The user can make a post
07	The user can edit the content of a post
08	The user can delete a post
08	The user can make a group
09	The user can edit the bio and handle of any group that they own
10	The user can delete a group
11	The server will delete any posts or reposts from a group after deletion of said group
12	The group owner can delete any post made in their group
13	The user can logout

UI Mockups

See /ui_mockups

Class Diagram

See /class_diagrams

Floating classes / classes that conflict with the writeup requirements are configuration classes (and won't have connections if I include the UML diagrams of my dependencies), what I wrote (not to configure my project) has connections in the class diagram