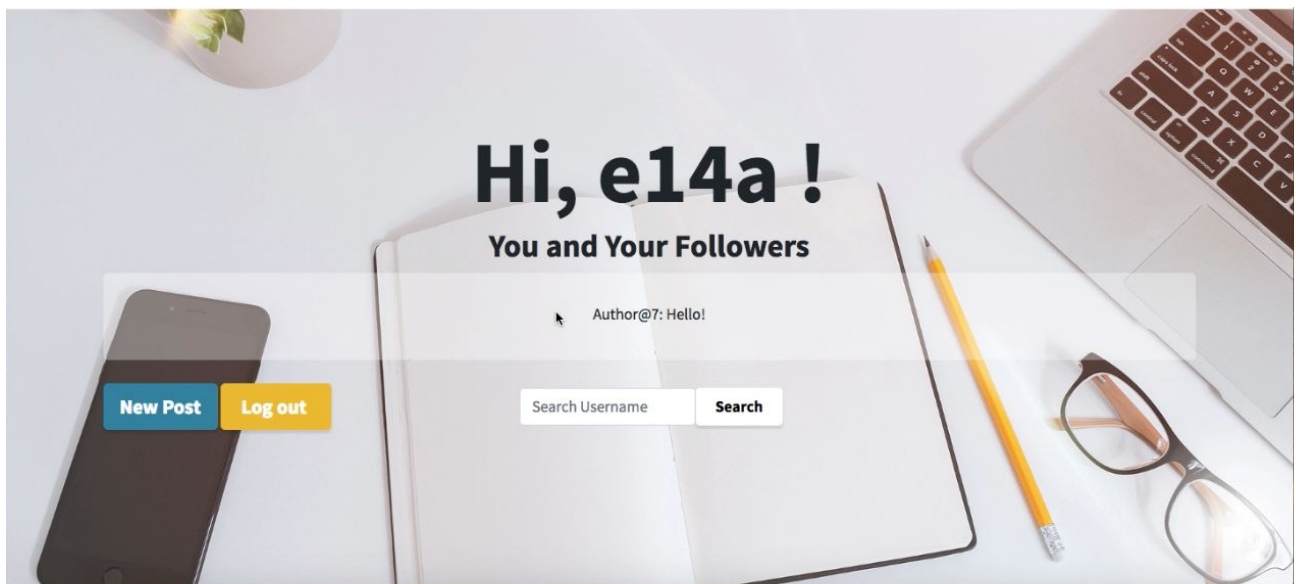




E-14a

HW 3: Instructions



HW3 preview

Learning Objectives

- Understand how social media apps work
- Working with DDL and DML
- Use Flask extensions to connect to DB
- Use Flask extensions to work with Web Forms
- Connect frontend and backend
- Create users and followers
- Understand users sessions
- Understand one-to-many and many-to-many relations
- Deploy your app and your DB using Heroku

HW3 PROJECT OVERVIEW

In this last homework, we would like to introduce you to the implementation of the "followers" feature similar to that of Twitter and other social networks have. Moreover, you will understand sessions as well as how to create signup, login, and logout functionalities. *Use all the practice and knowledge from [Lab 6](#) and [Lab 7](#) in order to create this project.*

Homework 3 description

Your working directory is folder named "HW3". Open the files and replace comments with your code. Your task is to develop:

- Signup form
- Login form
- Logout functionality
- New Post functionality
- Search for users
- Follow/unfollow users
- Dynamic index page
- Deploy using Heroku (mandatory)
- Optional: extra credit question/s

Check out "HW3.mov" for more details.

Extra Credit Questions

There are 3 pieces missing in this app:

1. All the users are having the same name structure "Author@number" Change that to reflect the real user's *username* from the database. Also, enable search option by the same *username*. (2 pts)
2. Create second search functionality to search for the users based on the content given by the post. Note: same content can be found with multiple users. (2 pts)
3. Change the visual appearance of the posts. For example, when new user posts a comment align it on the opposite side or color differently. (2 pts)