Flask – Validation and Uploading Files

COMP 3019J

Review the slides from Week11 and Week12. For this assignment, you need to download the slides given in class from week12

1. Run the code from week 12 and ensure that it works

2. If you have **not** already done this in class, add the data entered by the user in the profile page, into the Profile table. [Hint: Take a look at how the User object is created and saved. You need to do a similar thing for Profile]

3. Modify the signup code to first check if a user already exists with the requested username. That is, after all the fields have been validated, first check if a user already exists in the database with the same username. If so, flash a message saying that a user with that name already exists. If not, continue to register the new user as normal

4. Create a new template and form class to allow the user to make a 'Post'. The route for the post should be called 'makepost'. The route should check that a user is logged in, before allowing someone to add data. If there is no one logged in, you should show an error message and redirect to the login page [Hint: Look at how the profile route is implemented. You need to do something similar]. If the user is logged in, allow the user to create a post, and then create a post object, that can be saved in the database. Check if the post is saved correctly, and that the correct user's ID is stored as a foreign key

5. In the profile page, create another upload field, that allows the user to upload a profile photo. Your code should only allow the user to upload a JPG or PNG file. [Hint: Take a look at how the PDF file is checked and uploaded]. The uploaded file must be saved in a directory called 'profile_images', and the file must be saved with the filename: username_profile.PNG (or JPG, as the case may be)