

Group Name: MySQLisBetter

Members: Jordan Chan, Sebastian Cain, Billy Wong, Yuki Chen

Tasks:

Sebastian Cain: SQL Posts + Related Python

Jordan Chan: SQL Users + Related Python

Yuki Chen: HTML Framework

Billy Wong: SQL Posts + Related Python

Tasks to choose from:

1. SQL Posts + Related Python
2. SQL Users + Related Python
3. HTML Framework

Program Components:

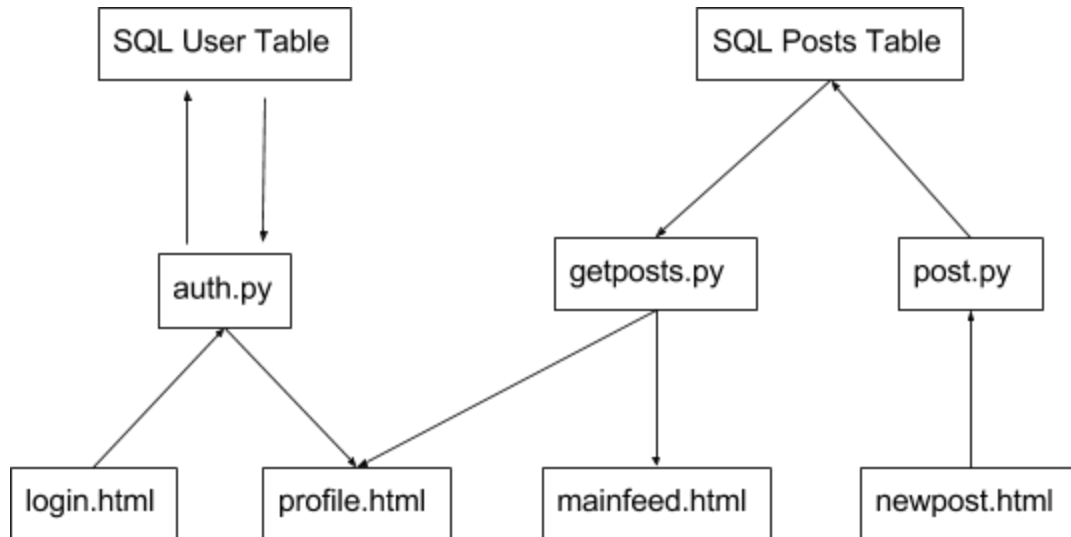
1. Users database with username, password, and other user info (later) to store user info
2. Post database with username, title, article, and timestamp to store all posts
3. Python file to process and authenticate login, logout, and change info
4. Python flask app to handle web page interactions
 - a. Login and new user page
 - b. Profile page (user info + create new post button)
 - c. Home page (feed)
 - d. Individual post pages
 - e. Logout buttons on each page
 - f. Create new post page
5. Python file to add new posts
6. Python file to display user info
7. Python file for sending info for showing posts

Relations between Components:

1. The login and new user page and logout button is linked to auth.py
2. The auth.py file access the user's database to check
3. If logged in, default page is profile page
4. The auth file redirects to the profile with user information
5. Profile page displays previous posts with titles and timestamps by calling getposts.py
6. getposts.py file accesses info from post database
7. From profile page, one can go to the create new post page
8. After creating new post, it is submitted to post.py

9. post.py writes in new rows into post database
10. mainfeed.html accesses the post database and displays all of them by timestamps

Component Map:



Database Schema:

User Table		
Username (unique)	Password	Bio

Posts Table			
Username	Title	Article Text	Timestamp

Site Map:

