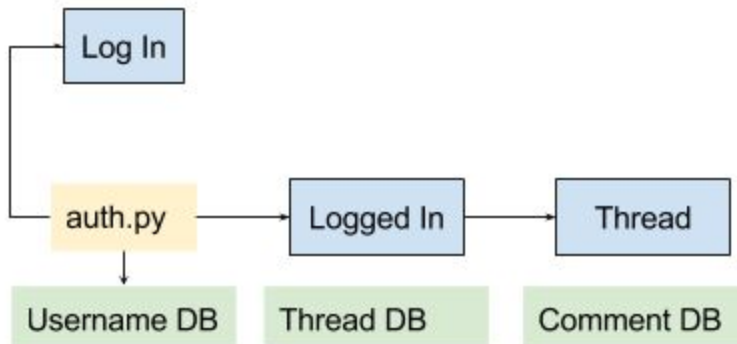


JM / HZ / GT / VL

Team: MeisterMeisters

Running Functionality Diagram

- As you add more psuedo-scripts, update this diagram to reflect the relationship between the front / back end
- Follow the general color code



Functionality

1. View threads
2. Create threads
3. Comment on threads

Types of User:

- A. Head Honcho: Can view threads, create threads, and comment on threads
- B. Member: Can view threads and comment on threads

Main Roles:

Gio: Authentication

Vincent: DB Table to Template

Henry: Session Parsing into DB Table

Jason: Frontend Templates

Breakdown of Different Tasks

Authentication:

- Get username and password in query
- If logging in:
 - Checks if user in username in user/pass table:
 - If yes:

- Compares hashed pass to pass associated w/ user in table
 - If pass is good it puts username and rank in session, redirects to home page, if bad pass, go back to home page w/ error message
 - If no:
 - Go back to home page w/ error message
- If registering:
 - Checks to see if username in user/pass table:
 - If yes, goes back to login with an error message
 - If no, checks compatibility of password
 - If good then adds user, hashed pass to table, w/ rank 2 (normal user)
 - If bad, goes back to home page with error message

DB Table to Template:

- Before a page is rendered, check database for threads and comments
- Since the main blog page and comments page will have an unset number of threads and comments, the templates will have variables that contain information to display
 - For new threads: Thread Title and Thread Content
 - For comments: Comment Content and Username
- ThreadID is not displayed but can be extracted from database to match a thread with its comments
- Username will also be retrieved to display at the top of the page

Session Parsing:

- New threads:
 - Have a form that appears only for logged users with Rank 1 on the main page
 - If that form is submitted:
 - Accessing the session, retrieve the User ID
 - Insert into the 'Threads' table a record with the User ID, Thread Content, and a uniquely generated Thread ID
- Comments:
 - Logged in users may see a comment form in each individual thread page
 - If submitted:
 - Accessing the session, retrieve the User ID
 - Insert into the 'Comments' table a record with the ThreadID (to know which thread it was posted in), Comment Content, Username (of the commenter), and a Comment ID

Frontend Templates:

- Index Page template has three parts:
 - Header with web log title
 - View of all previous posts → Thread Page
 - Sidebar to log in to the website → Login / Register Page

- If LOGGEDIN → Create Thread Page
- Login / Register Page follows the auth.py requirements
 - New users will use register feature
 - Existing users will be able to log in
- Thread Page contains four parts:
 - Header
 - Entire original post
 - List of all of the comments
 - If LOGGEDIN → Add an additional comment
- Create Thread Page
 - Header
 - Text box for entering new thread content
 - Submit button

Database Structure

Username	Password	Rank
----------	----------	------

Thread Title	Thread Content	ThreadID
--------------	----------------	----------

ThreadID	Comment Content	Username
----------	-----------------	----------

Welcome to the Blog

Title of Post n | Link to the full post

Title of Post $n-2$

Title of Post $n-3$

...

Title of Post 1

Log in or Register

Username

Password

Submit

Register

Public View

Welcome to the Blog

Username

Password

Submit

Register

Title of Post n | Link to the full post

Title of Post $n-2$

Title of Post $n-3$

...

Title of Post 1

Public View

Welcome to the Blog <username>

Log Out

Title of Post n | Link to the full post

Title of Post $n-2$

Title of Post $n-3$

...

Title of Post 1

Logged In

Welcome to the Blog <username>

Log Out

Title of Post n | Link to the full post

Title of Post $n-2$

Title of Post $n-3$

...

Title of Post 1

Owner

New Post

Welcome to the Blog! <link to homepage>

Title of Post *n*

Full Post length

Comment 1

Comment 2

Insert comment

Submit

Log Out

Logged In

Welcome to the Blog! <link to homepage>

Title of Post *n*

Full Post length

Comment 1

Comment 2

Public