RohanSpace by HeistLEET
TARGET SHIP DATE: 2025-11-10
Scenario Δ

entries

int	user_id	
text	title	
text	post	
date	timestamp	
date	last_edit	

account

text	username	PK
text	email	
text	password	
text	first_name	
text	last_name	
text	img_path	

Components:

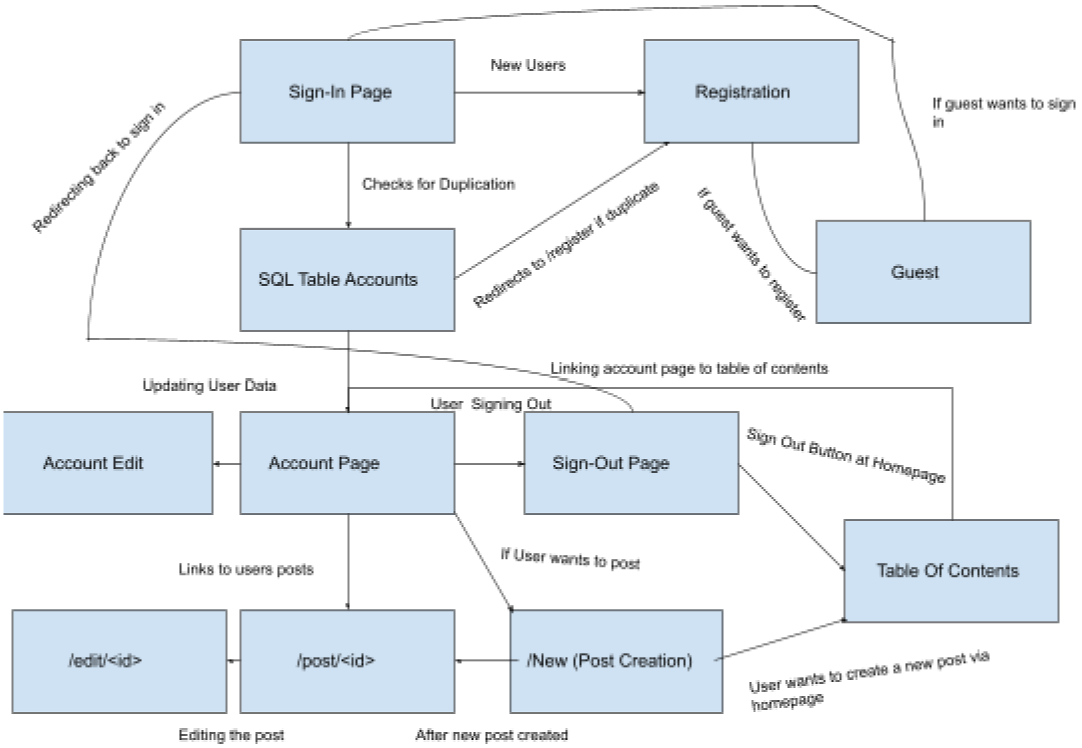
- SQLite file containing the table **accounts** to store users and their appropriate data, the table **entries** to contain entry data
- Routes:
    - /sign-in, verifies values against **accounts** table, redirects to / with cookies when done, uses **fetch_creds()**
    - /register, uses **fetch_creds**() to verify account does not exist, adds values to **accounts** with **set_creds**(), redirects to sign-in
    - /, Jinja2 search bar that uses **fetch_page()** to search for users and redirect to their pages
    - /account, displays information about a user, uses **fetch_creds**() as well as **fetch_posts**().
    - /account/edit **post()** is used to upload a new post, and **update_post**() is used to update past posts.
    - /<page>, uses **update_creds**(), allows user to change their account details

    - /new
        - Form for logged-in users to create a new blog post
        - Checks via **fetch_page()** if page already exists
        - If not: saves via **post()** into **entries** table
        - Redirects to **/page/<id>** after submission
    - /post/<id>
        - Displays full blog post (title, author, date, and content) from **entries** table
        - If the user is logged in and the page is theirs they are shown an “Edit Post” button that redirects them to **/edit/<id>**
        - Guests can only view the page
        - If page doesn’t exist then redirect to **/**
    - /edit/<id>
        - Displays a full blog post (title, author, date, and content) from entries table.
        - Allows logged in users to edit and submit updates
        - Updates the **entries** table upon submission via **update_post()**
        - Redirects to **/page/<title>** after a successful update
- Helper Functions:
    - **fetch_page**(page), returns a dictionary containing the values needed to populate a page from the sql, returns false if the page does not exist
    - **post**(...), enters a new record into the **entries** table
    - **update_post**(...), updates a record from the **entries** table
    - **fetch_creds**(username), returns dictionary of user information, if the user isn’t signed in then this is bypassed
    - **set_creds**(...), sets values to **accounts** table
    - **update_creds**(...), updates values from **account** table

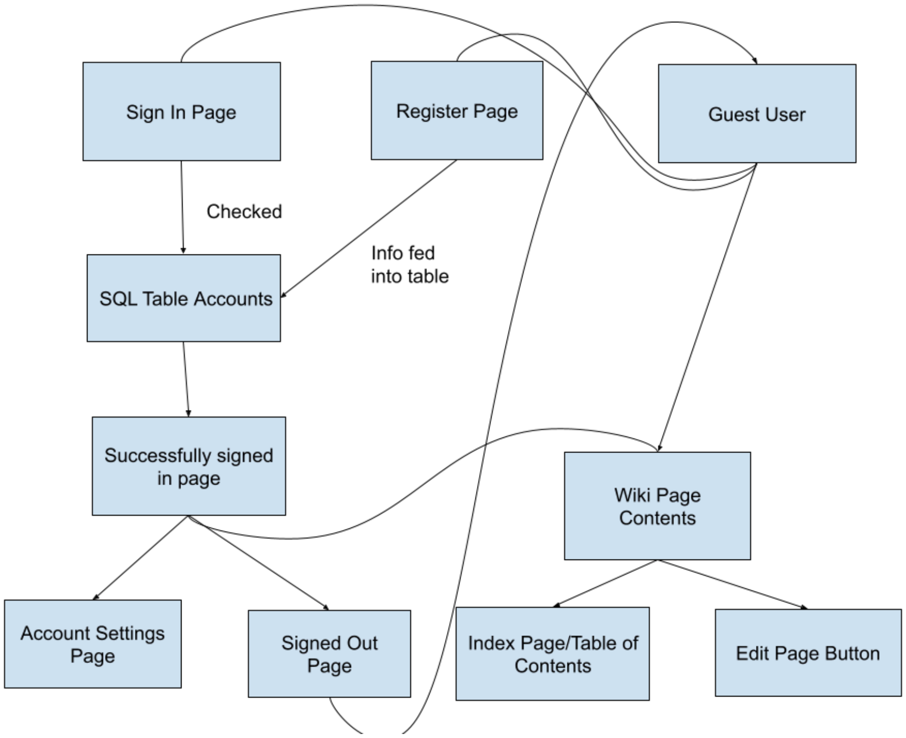
Site Map:

- /sign-in
    - Cookie functionality as we created in class for assignment #16
    - Account credentials should be checked against the SQL table **accounts** from this route
    - Link to /register for new users
    - If account credentials are verified, we redirect to / with cookies set
    - If account credentials are invalid, we reload with an error message
- /register
    - Again, functionality as created in prior assignment
    - Credentials fed into the **accounts** table, registering their account details
    - Redirects to /sign-in upon successful registration
    - Validation in the accounts table (preventing duplicate accounts)
- /
    - Displays all existing blogs (title + author)
    - Greets user ("Welcome, NAME") and provides buttons for:
        - "Create New Blog": Links to /new
        - "View My Posts": Links to /account
        - "Sign Out": Links to /sign-out
- /account
    - Displays profile information (Username and Gmail)
    - Lists all pages this user has created or edited
    - Each listed page title links to **/page/<id>**
    - Buttons for **/sign-out, /new, /account/edit**
- /account/edit
    - Allows users to update username, password, or email
    - Redirects to **/account** after save
- /new
    - Form for logged-in users to create a new blog post
    - Redirects to **/page/<id>** after submission
- /post/<id>
    - Displays full blog post (title, author, date, and content)
    - If the page is theirs they are shown an "Edit Post" button that redirects them to **/edit/<id>**
    - If page doesn't exist then redirect to **/**
- /edit/<id>
    - Displays a full blog post (title, author, date, and content) from entries table.
    - Allows users to edit and submit updates
    - Redirects to **/page/<title>** after a successful update
- /sign-out
    - Clears user cookies/session
    - Redirects to **/sign-in**
    - Displays "You have successfully signed out."

User Flow Map:



Program Components:



//FIX DIAGRAM

Task tracker

Assignee	Title	Date	Status
Rohan Sen	"Install Guide" + "Launch Codes" section of readme	Oct 29, 2025	In progress
rohans33@nycs…	A *list* of program components with role of each specified. (e.g., a car engine is comprised of various components: carburetor, alternator, radiator, spark plugs, etc. Each must perform its role for the engine to do its overall job.)	Oct 27, 2025	Completed
Michelle Chen	Explanation of how each component relates to the others. - Component map visualizing relationships between components.	Oct 27, 2025	Completed
Aoanul Hoque	Database Organization (tables? Relationships b/t tables? etc.)	Oct 27, 2025	Completed
Haowen Xiao	Site map for front end - Represent each page you envision for your site. - Show linkages conveying all possible pathways for a user traversing site.	Oct 27, 2025	Completed
michellec397@…	A breakdown of the different tasks required to complete this project - Include assignments of	Oct 27, 2025	Completed

Task tracker

Assignee	Title	Date	Status
	each task to each group member		
Rohan Sen	Append this line to your heading: **TARGET SHIP DATE: {yyyy-mm-dd}**	Oct 23, 2025	Completed