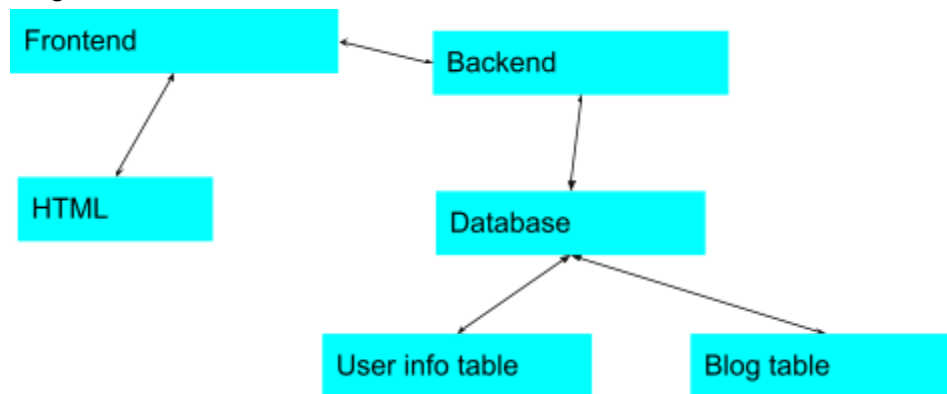


Team Name: mates: Andy Lin, Shadman Rakib, Raymond Yeung
SoftDev
P00 -- Design Doc For Blog Hosting Website
2021-10-28

Program components:

- ❖ A database with two tables;
 - one with user info to store the username, password, display name
 - one with blog posts with title, content, user who created it
- ❖ Backend with authentication and authorization functionality and loading user posts with title and description.
 - verifies if user is author before being granted access to edit and make blog posts.
 - process blog post edits and appends, and process search queries
- ❖ Frontend to render out blog post page and editor and search page

Diagram:



User

username (primary key)	password	displayName
String	String	String

Post

Id (primary key)	author (foreign key)	date	title	content
Number	String	String	String	String

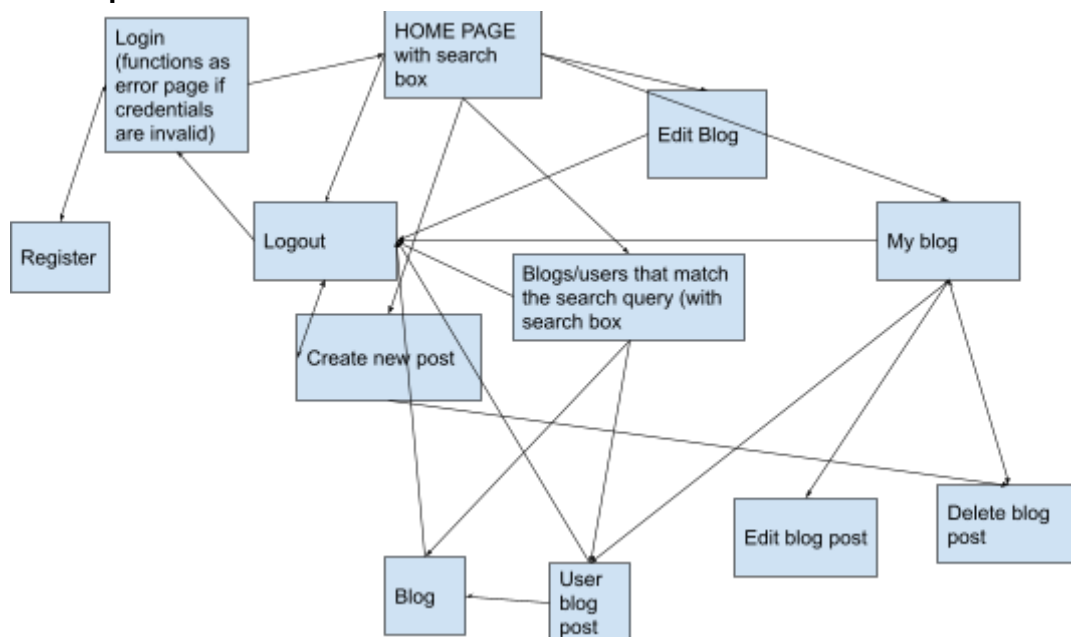
Routes

path	request method	params	description
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/	GET		Goes to the login page if the user is not logged in. If the user is logged in, then render the home page with all blog posts.
/login	GET		Renders login page.
	POST	username password	Logs user in. Uses sessions. Redirects to the index (" <i>/</i> ") page.
/logout	GET		Logs currently logged in user out of session, redirects user to login page.
/signup	GET		Renders signup form
	POST	username password displayName	Creates account by adding information to user table and logs user in. Redirects to the index (" <i>/</i> ") page.
/search	GET	query	Renders search results, with a search box if user wants to search for something else
/post/<int: id>	GET	id	Renders blog post
/delete/<int: id>	GET	id	Deletes the blog post, provided that the user is the author of the blog post. Throws an error otherwise. Redirects to /myblog
/blog/<string: id>	GET	author	Renders the specified authors blogs
/myblog	GET		Renders the currently logged in user's blog, with controls to delete

			and edit a blog post
/createposts	GET		Renders the blog post upload form
	POST	title content username (session)	Adds post to post table. Renders a confirmation page.
/edit	GET	id	Renders the blog post edit form and set initial values
	POST	id title content username (session)	Edits post in post table, given that the current user is the author of the blog post. Renders a confirmation page.

Site Map:



Breakdown of Tasks:

- Authentication and authorization & database - Shadman
 - Create database, as well as handling appending data to database as well as securing user information

- Will assist Andy in handling sending queries and handling more advanced SQL tasks if needed
- Frontend - Raymond
 - Develop template html as well as code to send user inputs to the backend
- Backend - Andy
 - Receives data from the frontend and sends queries to the database as needed, which will then send data to the backend and to the frontend to be shown.