Team Name: Sleepy Programmers: Andy Lin, Shadman Rakib, Raymond Yeung
SoftDev
P00 -- Design Doc For Blog Hosting Website
2021-10-27

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

User

username (primary key)	password	displayName
String	String	String

Post

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

Routes

path	request method	params	description
/	GET		
/login	GET		
	POST	username password	Logs user in. Uses sessions. Redirects to the index ("/") 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 ("/") page.
/search	GET	query	Renders results
/post	GET	id	Renders blog post
/blog	GET	author	Renders the specified authors blogs
/create	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. Renders a confirmation page.

Site Map:
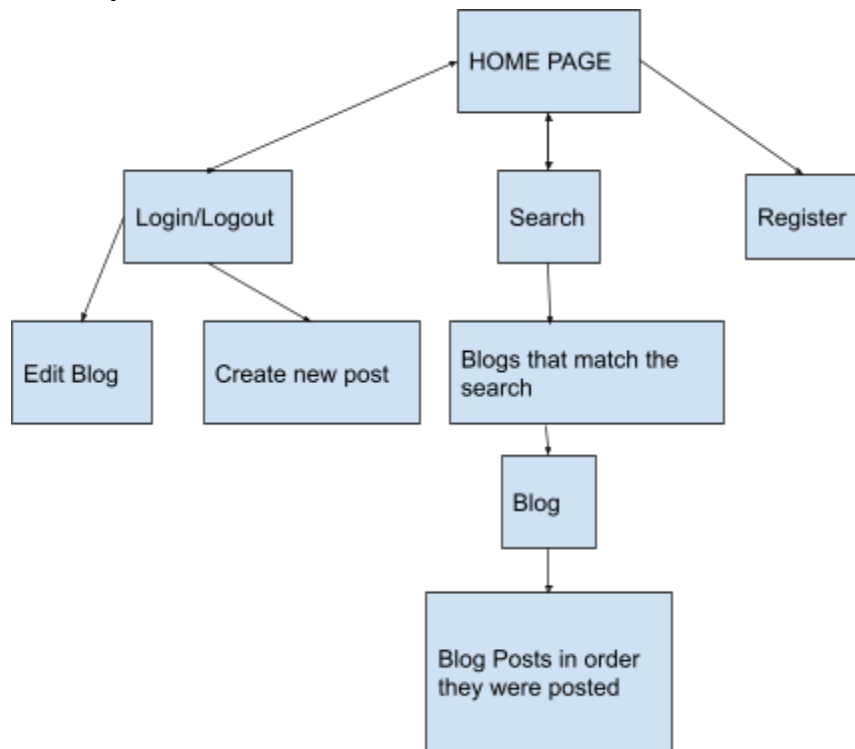
Breakdown of Tasks:

- Authentication and authorization - Shadman
- Frontend & Database - Raymond
- Backend - Andy