Web Blog

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Abstract

Your team of four has been contracted to design and implement a web log. Your team advertises proficiency with Flask, Python, and SQLite.

As your "software solution," in the parlance of our times, will incorporate a few distinct components, so it is imperative that your team develop a design before you move to implementation.

1 Folder Structure

App.py

data/

        Users.db

        Blogs.db

static/

        style.css

templates/

        Login.html

        Feed.html

        Index.html

        signup.html

        Blog.html

        User.html

        Newblog.html

        Newpost.html

        Privatecode.html

        Subbed.html

        Myblogs.html

utils/

        Authenticate.py

        authenticatecode.py

        newpost.py

        newblog.py

        Subscribe.py

        Feedgen.py

        Userinfo.py

2   Descriptions

2.1   Templates

Login.html - Page with a form for logging in

Feed.html - Page with blog posts from blogs you have subscribed to, starting with the newest blog posts

Index.html Show all public blogs via pages, with login / signup page

Signup.html Page with a form for creating a new account

Blog.html Template for each blog. Each blog's page will contain the blogger's name as well as the posts they have created, starting with the most recent post

User.html Template for each users page. This will contain links to each of the user's blog pages

Newblog.html Template for a page with a form to create a new blog

Newpost.html Template for a page with a form to create a new blog post

Privatecode.html A page with a form for a password to view a private blog

Subbed.html If a user is logged in, this template will display a list of the blogs they are subscribed to, with the option to edit this list

Myblogs.html A page that will show the logged in user the blogs they have written, and their link

Feed.html Will shows users posts from blogs they're subscribed to

2.2   Utilities

Authenticate.py Will authenticate the user's login, save a session

Authenticatecode.py Authenticates the code the user enters with the code for the private blog they clicked on

Newpost.py Will add the post the user made to the correct blog in the databases

Newblog.py Will add the blog the user made to the blogs.db and to the user under his blogs that he made

Subscribe.py Will add a blog to users.db subscribed list

Feedgen.py Will generate a feed from the users database for either their blogs or their subscribed blogs

Userinfo.py Will generate a user information page

Users.db Will contain username, password, blogs they've made, (id number), and blogs they've subscribed to

Blogs.db Database of all the blogs, with private key column (blank if public, randomly generated), an id number(ctr starting at 1), and the user who made the blog

2.3   Splitting of Work
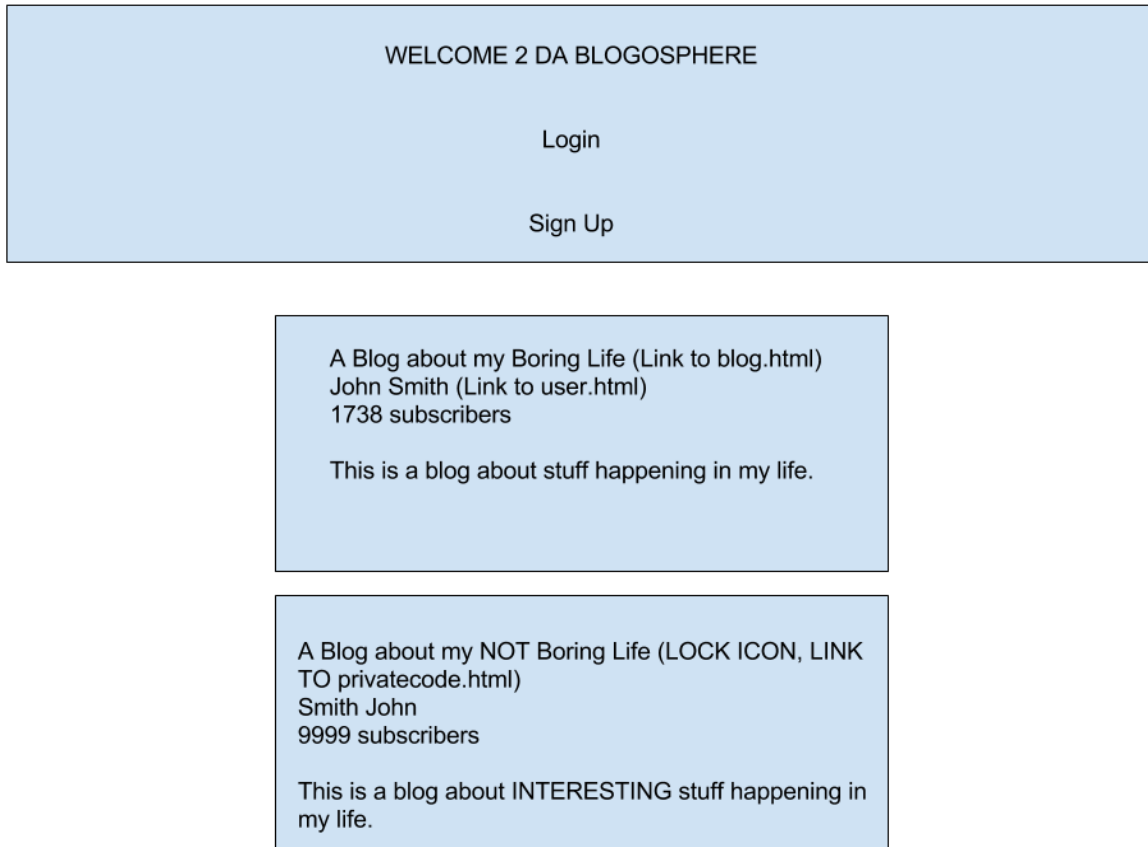
Lindsey: The login and register

Ayman: The main page
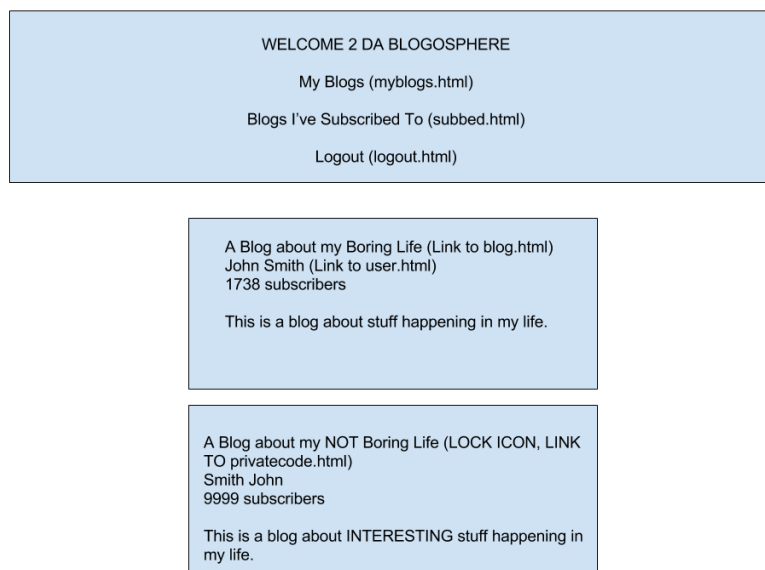
Shaeq: Blog pages + comment functions

Nobel: Private Posting function + Profiles

Diagrams (apologize for formatting)

Default non logged in page

WELCOME 2 DA BLOGOSPHERE

Login

Sign Up

A Blog about my Boring Life (Link to blog.html)
John Smith (Link to user.html)
1738 subscribers

This is a blog about stuff happening in my life.

A Blog about my NOT Boring Life (LOCK ICON, LINK
TO privatecode.html)
Smith John
9999 subscribers

This is a blog about INTERESTING stuff happening in
my life.

Page after being logged in

WELCOME 2 DA BLOGOSPHERE

My Blogs (myblogs.html)

Blogs I've Subscribed To (subbed.html)

Logout (logout.html)

A Blog about my Boring Life (Link to blog.html)
John Smith (Link to user.html)
1738 subscribers

This is a blog about stuff happening in my life.

A Blog about my NOT Boring Life (LOCK ICON, LINK
TO privatecode.html)
Smith John
9999 subscribers

This is a blog about INTERESTING stuff happening in
my life.

User page

User photo

Name

Short bio

Dude's blog

Dude's second blog

Blog example

Blog name (add icon →)
Blog description
Subscriberz

+

blogpost

Blogpost2

New blog

Blog name

Blog description

Make blog

New Post

Post title

Post stuff here

Which blog to submit to
(dropdown)

submit