Team: MWE

Roster: Maya Berchin, Ashley Li, Evan Khosh, Robert Chen

Scenario Δ

TARGET SHIP DATE: {2025-11-12}

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PROGRAM COMPONENTS + EXPLANATION:

- Python files
  - *app.py*: __main__. Renders templates, pulls everything together
  - *data.py*: handles database stuff (parsing, adding)
- Static files
  - *style.css*: make the site look better
- Templates
  - *login.html*: the user will be directed onto the login page first. They will be redirected to the homepage once they are logged in (automatic if they are already logged in). If they don't have an account, they can be redirected to register
  - *register.html*: the user will be able to register. They will be redirected to the homepage once they do this
  - *home.html*: the homepage. This will display all blogs. The user can view a blog by clicking on one. They can also access their profile page or log out.
  - *viewblog.html*: Renders any blog the user is trying to view. From here, the user can go back to the homepage, or they can edit the blog they are viewing if they are the author.
  - *editntry.html*: this template will be used to allow the user to edit an entry of one of their blogs. They can also add a new entry! (Editing loads data, adding new leaves it blank)
  - *newblog.html*: this template will be used to allow the user to create a new blog.
  - *profile.html*: from here, the user can go back to the homepage, can view the blogs they've written, can edit their user info, and can log out.
  - *editpf.html*: the user can edit their info here.
- Databases (stored in data.db)

- *userdata*: table that stores data about users
- *blogs*: table that stores all blogs and their authors
- *entries*: a table that stores data about every entry.

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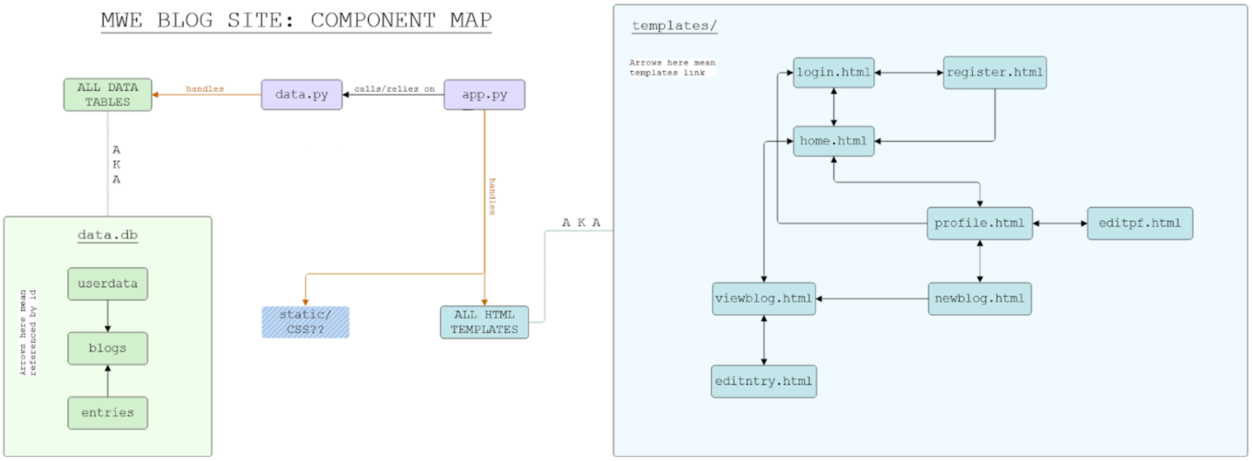
COMPONENT MAP:



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DATABASE ORGANIZATION:

The following table will store the data of all users. The passwords will be hashed, and the blog_ids will be comma separated.

USERDATA

string	username	PK NOT NULL
string	password	NOT NULL
date	sign_up_date	NOT NULL
string	bio	
string	blog_ids	

The following table will store the name, id (which we will generate upon the creation of a blog), and author of every blog uploaded to the site.

BLOGS

string	blog_name	NOT NULL
string	blog_id	PK NOT NULL
string	author_username	NOT NULL

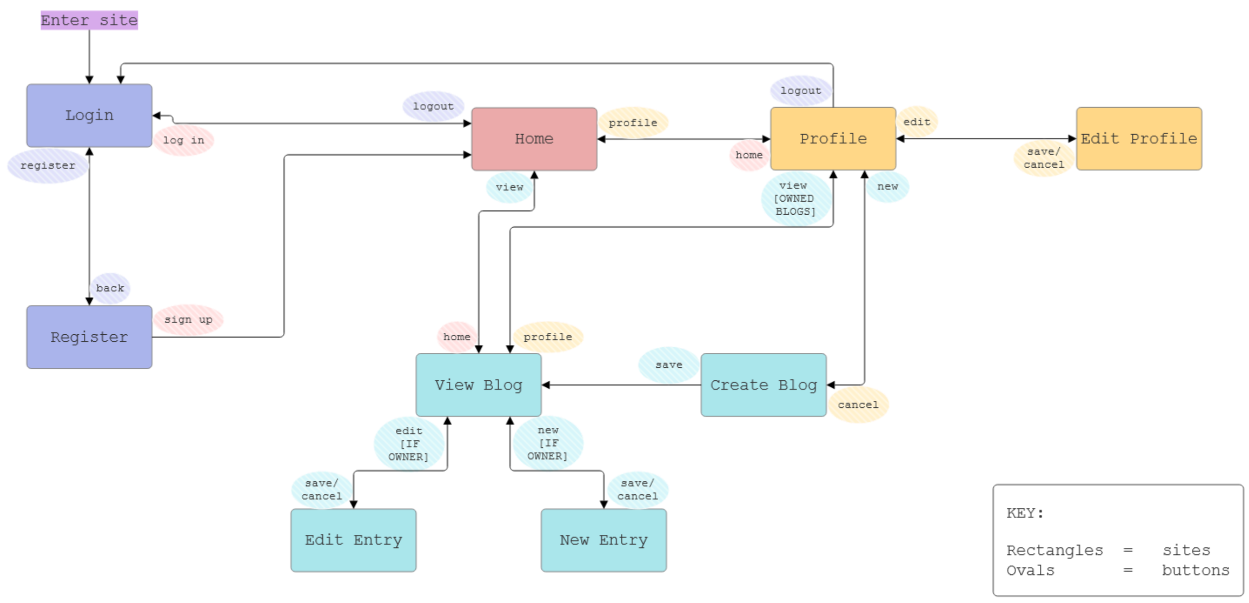
The following table stores data about all entries on the website.

ENTRIES

string	entry_name	NOT NULL
string	entry_id	PK NOT NULL
string	blog_id	NOT NULL
date	upload_date	NOT NULL
date	edit_date	NOT NULL
string	contents	

FRONT END:

MWE BLOG SITE: FRONT END



TASK DELEGATION:

Note: priority level is a substitute for a done-by date, since we don't know all the sub-deadlines we have yet. Work on your highest priority task first! Everything until level 6 is required for this assignment.

Task	**Devo(s)**	**Priority level**
Make sure everything works in app.py	Everyone, overseen by Maya	1
Make sure everything works in data.py	Maya	1
Get account info working (store user info)	Evan, Maya	1
Register	Evan	2
Login/logout	Evan	2

Homepage	Maya	3
New blog	Maya, Evan	3
View	Ashley	3
Edit entry	Robert	4
Add entry	Robert	5
Profile	Ashley	6
Edit profile	Ashley, Robert	7
CSS	Ashley, Maya	8

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