

Software Development
Mr. Dyrland Weaver

Book Chelve



Image: geralt/Pixabay

By Team My_Chelve

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Project Vision:

A virtual library consisting solely of stories that are collaborated on by the community.

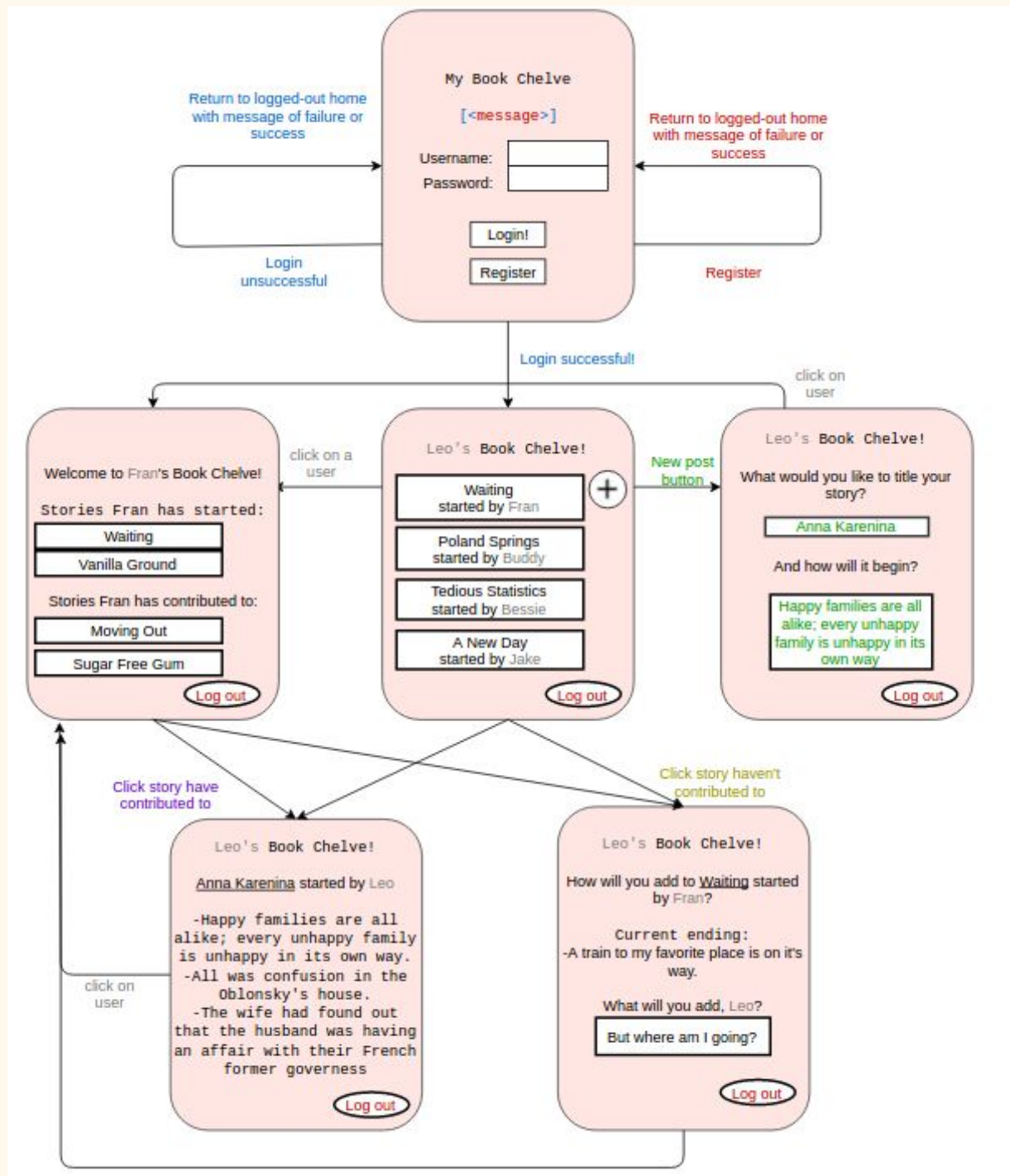
There are two quirks to the site:

- 1) Only those who have contributed to a story will be able to read the whole story.
- 2) A user can only contribute to a story once.

Otherwise, all users have a ton of freedom.

- 1) Any user may start a story.
- 2) Contributions have no word limit.
- 3) Users can view user profiles to see the stories that they have contributed to.

Front End - Sitemap:



Back End:

File Distribution (shortened)

my_Chelve/

app.py

templates/

login.html

homepage.html

profile.html

ncStory.html

cStory.html

createStory.html

data/

chelve.db

utils/

__init__.py

auth.py

stories.py

File Distribution:

`app.py`

The main flask app

`templates/`

`login.html`

Page loaded at the root route. Requires user to either login or register. Uses *auth.py* to manage operations.

`homepage.html`

Page loaded directly after logging in. Will display the most recent stories as well as the most contributed stories. Uses *stories.py* to grab data.

`profile.html`

Page loaded when viewer clicks on any username. Will load the profile of the user clicked, which displays stories that user has contributed to. Uses *stories.py* to grab data.

`ncStory.html` and `cStory.html`

Page loaded when viewer clicks on a story. Either loads *ncStory.html* or *cStory.html*, determined by whether or not the user has contributed to the story. *ncStory.html* will only display the most recent contribution and a text box. *cStory.html* will display the entire story. Uses *stories.py* to fetch data.

`createStory.html`

Page loaded when viewer clicks the + button on the homepage. Contains a form which sends data to *stories.py*.

[data/](#)

Data will be stored in **chelve.db**

users

TEXT user	TEXT salt	TEXT pass
Stores username	Randomly generated string added to password before hashing	Hashed password

entries

TEXT title	INT timestamp	TEXT entry	TEXT user
Used to identify the story	Used to indicate the order of the contributions to the story	The actual contribution to the story	The user who wrote the contribution to the story

[utils/](#)

auth.py

Will be used to fetch user info from the *users* table in *chelve.db*

Associated templates:

login.html

stories.py

Will be used to fetch stories and their contributions from the *entries* table in *chelve.db*.

Associated templates:

homepage.html

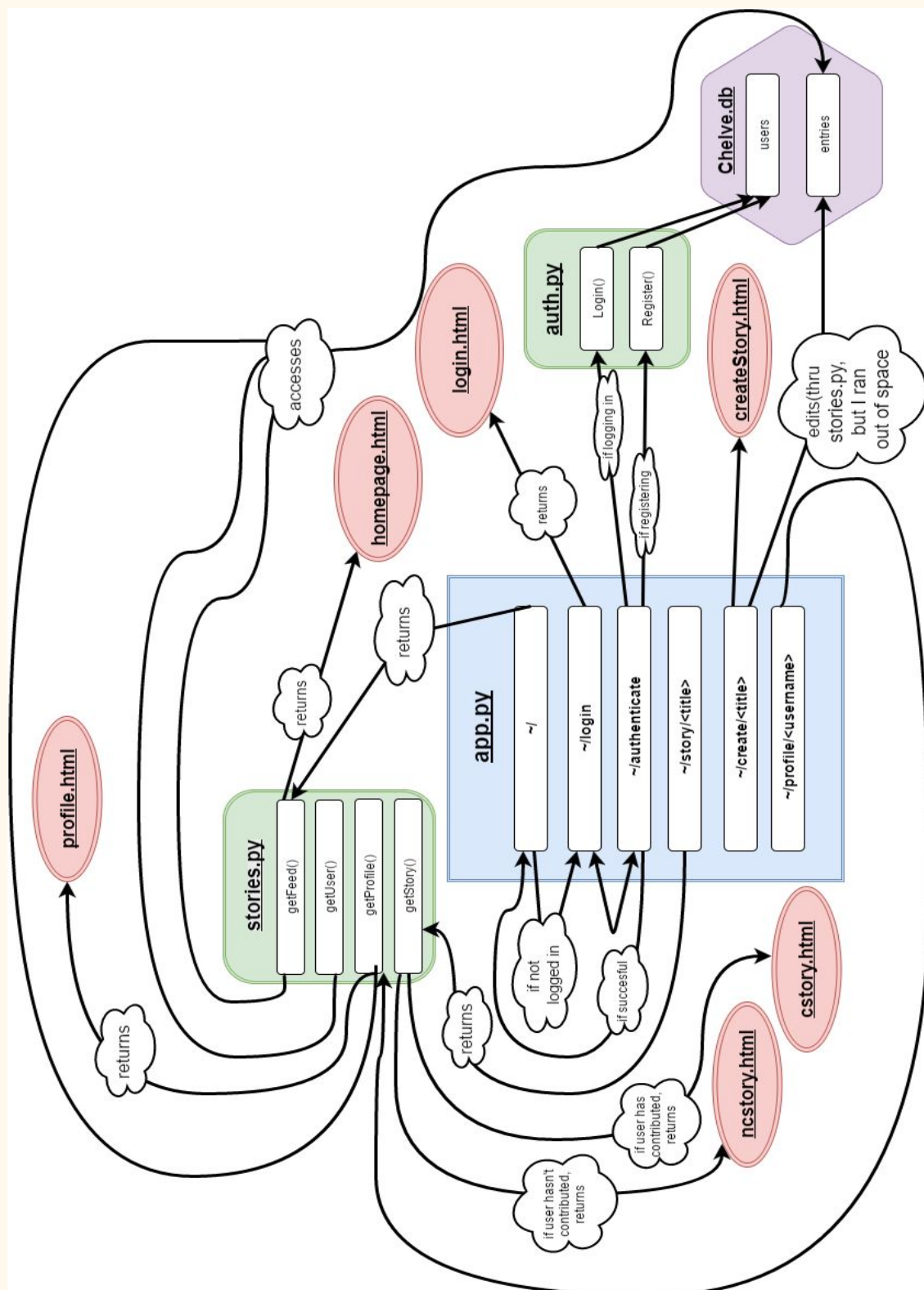
profile.html

ncStory.html

cStory.html

createStory.html

Flow chart:



Task Delegation:

Project Manager: Elias Milborn

- In charge of debugging and testing
- Make sure everything's running smoothly
- Adds comments on people's code and provide alternative ways to approach a problem
 - Provide example code to as an alternative

Front End: Yvonne Chan

- All HTML templates
- Writing app.py to bridge between back end utilities and front end templates

Back End (auth.py and users): Emma Vukelj

- Writing auth.py to handle login/register capabilities
- Interaction and setup of users table
- User profu(TEiles (probably working with Yvonne to meet needs)

Back End (stories.py and entries): Harry Lum

- Interaction and setup of entries table
- Writing stories.py to handle story creation, feed, and appending