Old Money -- Maggie Zhao, Rubin Peci, Qian Zhou
SoftDev1 pd07
P #00: Da Art of Storytellin'
2018-10-17

Roles
Project Manager (PM) - Rubin Peci
Chief of Staff - Maggie Zhao
Secretary of State - Qian Zhou

Program Components
- Three database (.db) files
  - logins.db
    - Stores the username and hashed passwords of every user account
    - Once registered, the username and their hashed password will be added to the list
      - Probably will hash the passwords using SHA-256
    - Whenever a user tries to login, will check the username entered to see if the account exists, and then whatever password they entered will be run through the same hash generator to see if the output matches
      - If username does not exist, let user know the account doesn't exist
      - If username does exist but password does not match, let user know the password is incorrect
      - If the username exists and the password matches, then we direct them to the homepage for logged in users.
  - users.db
    - Each user will have a table named after their username that has the stories they contributed to and a timestamp
    - This will allow us to show them the full stories after they have contributed to them on their page
  - stories.db
    - Each story will have a table named after its title with a list of users that have contributed to it, what they contributed, and a timestamp.
    - This will allow us to view the most recent contribution to display to users who haven't added to it
    - If the username is already in the table, they cannot contribute again, and they can view the full story
    - Else, they can contribute to the story but only view the most recent contribution
- These database files will allow us to access necessary information to show to the user on their homepage and whenever they want to contribute to a story.
- Templates

- Template for user homepage
  - Will have a spot to show all the stories they contributed to
- Template for viewing all the stories
  - Will let users view all the stories and they can contribute to ones they haven't contributed to yet
- Template for adding on to the stories
  - Will use an HTML form (method POST) to add on to the story by adding a new entry to the database
- Template for creating a story
  - Will use an HTML form (method POST) to create a new table in the stories.db file and add an entry to said table.

The templates will utilize Jinja to allow us to scrape data from the databases we created and display relevant information to the user.

Database Schema

logins.db
TABLE info

Username TEXT	**Hashed-Password** TEXT
rpeci	cc3a0280e4fc1415930899896574e118
mzhao3	c7d7b9947eb3999eac14438e6e37dcdb

users.db

TABLE rpeci

Stories TEXT	**Timestamp** TEXT
Frankenstein	2018-10-17: 10:55 pm

TABLE mzaho3

Stories TEXT	**Timestamp** TEXT

Frankenstein	2018-10-18: 07:30 am

And more tables will be created as more users are added

stories.db

TABLE Frankenstein

Authors TEXT	**Timestamp** TEXT	**Contribution** TEXT
rpeci	2018-10-17: 10:55 pm	"Once upon a time"
mazho3	2018-10-18: 07:30 am	"There was a monster named Frankenstein"

And more tables will be created as more stories are added

To-do List
(ORDERED BY PRIORITY)
1. Set up database files and sample users
   a. Be able to generate each file and create a table with hard-coded users.
   b. Be able to create hard-coded stories for testing purposes
2. Create templates and implement Jinja to incorporate entries from database
   a. Be able to scrape data from database and display on database
   b. Allow user to submit data via HTML form to database so they can add on to stories, removing need for hard-coded stories
   c. Implement the ability to only view stories you have contributed to, and only contribute to stories not previously added on to.
3. Allow users to register, removing need for hard-coded users
4. Display all stories to users
5. EXTRA
   a. Search feature
      i. Add tags for the stories so we can search by tag
      ii. Search by title
      iii. Search by author/contributor
   b. User rating
      i. When viewing full story, add a little thing that shows who added what
      ii. Rate user submissions
      iii. Users with higher ratings will have their stories shown higher up in the relevance thing
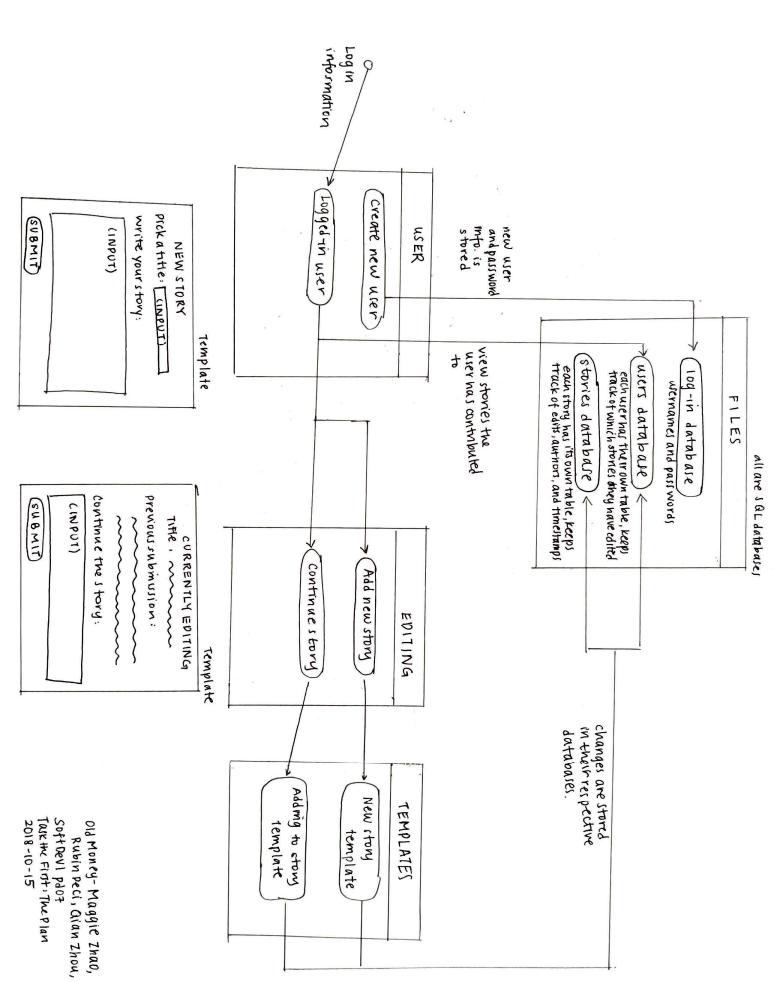
Tasks

Maggie Zhao
- Work with Jinja to create the templates and access the database files to scrape necessary data
- User homepage and show all stories page
    - Loop thru the databases to show recent contributions and what not
    - Generate links to add on to stories

Qian Zhou
- Work with SQL to facilitate adding on to stories.
    - Update the users and stories databases with recent contributions
    - Make sure the HTML forms can properly send the necessary info to the databases
    - Have checks in place to prevent empty contributions.
    - Have checks in place to prevent user from adding HTML code that can mess with displaying stories

Rubin Peci
- Project Manager - make sure everything is running smoothly and design doc is followed
- Manage dev log
- Make changes to our plan if necessary
- Resolve merge conflicts
- Create the login system to allow users to log in and remove the need for hard-coded accounts
- Determine if main goals have been achieved and delegate the extra tasks if we reach that point

Login
information

USER

Create new user

Logged-in user

Template

NEW STORY

Pick a title: [INPUT]

Write your story:

(INPUT)

SUBMIT

new user
and password
info. is
stored

view stories the
user has contributed
to

FILES

all are SQL databases

log-in database
usernames and passwords

users database
each user has their own table, keeps
track of which stories they have edited

stories database
each story has its own table, keeps
track of edits, authors, and timestamps

changes are stored
in their respective
databases.

EDITING

Add new story

Continue story

Template

CURRENTLY EDITING

Title :

previous submission :

~~~~~~~~
~~~~~~~~
~~~~~~~~

continue the story:

(INPUT)

SUBMIT

TEMPLATES

New story
template

Adding to story
template

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LANDING

Welcome to our page!
I would like to....

(create user) (log in)

HOME

(Add new story)
(Stories you've contributed to)
(All stories)

LOGOUT

STORIES

All stories: Last updated

1. ～～～
2. ～～～
3. ～～～
4. ～～～
5. ～～～
...

SEARCH

SITEMAP

LOGOUT

Landing Page

Create user → Log in to user

Homepage

Add new story

View stories you've contributed to.
Story 1
Story 2
Story 3
...

Go back to home page.

Submit Story

Go back to home page.

View all stories
Story A
Story B
Story C
...

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