

Scenario One: Your team has been contracted to create a collaborative storytelling game/website.

- Users will have to register to use the site.
- Logged-in users can either start a new story or add to an existing story.
- When adding to a story,
 - Users are shown only the latest update to the story, not the whole thing.
 - A user can then add some amount of text to the story.
- Once a user has added to a story, they cannot add to it again.
- When creating a new story,
 - Users get to start with any amount of text and give the story a title.
 - Logged in users will be able to read any story they have contributed to on their homepage (the landing page after login).

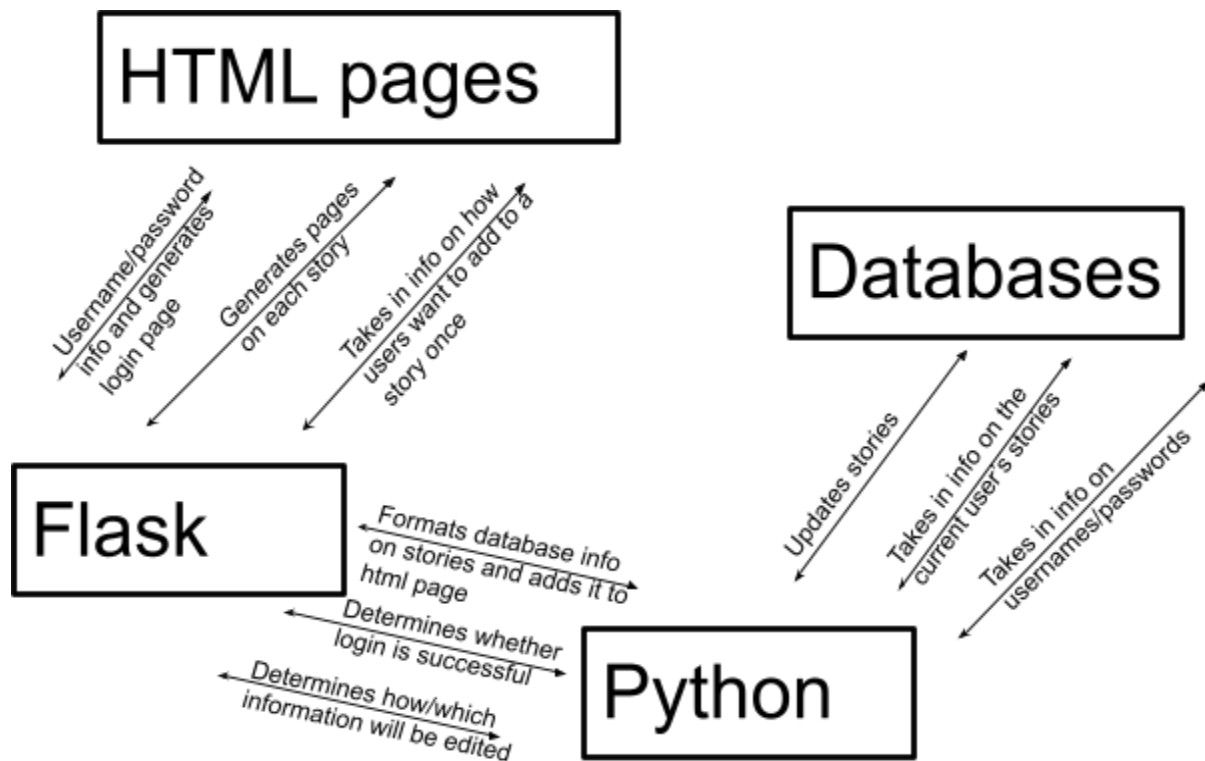
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- Login page
 - Home page
 - Text editor (text + title) to add to story/create new story
 - Story viewing page

Program Components:

1. Python File
 - a. Creates tables `users` and `stories`
 - b. Verifies the account being logged in
 - c. Uses `try except` blocks to reroute users if a url does not exist, otherwise sends them to the right page and template
 - d. Inserts table values if a new account is created/a new story addition is created
2. HTML/Flask Templates
 - a. `(@app.route("/login"))` -> login page (login input + login failed screen)
 - i. Uses HTML form to show two input boxes for login
 - b. `(@app.route("/home"))` -> home page with an Add New Story button (and one random story if time allows)

- c. `(@app.route("/story"))` -> links to selected story
- 3. SQLite Database
 - a. `stories` table (story title, full story, story's latest update)
 - b. `users` table (username, hashed password, stories the user has worked on already)
- 4. CSS (To come after html is formatted)

Component Map:



Database Organization:

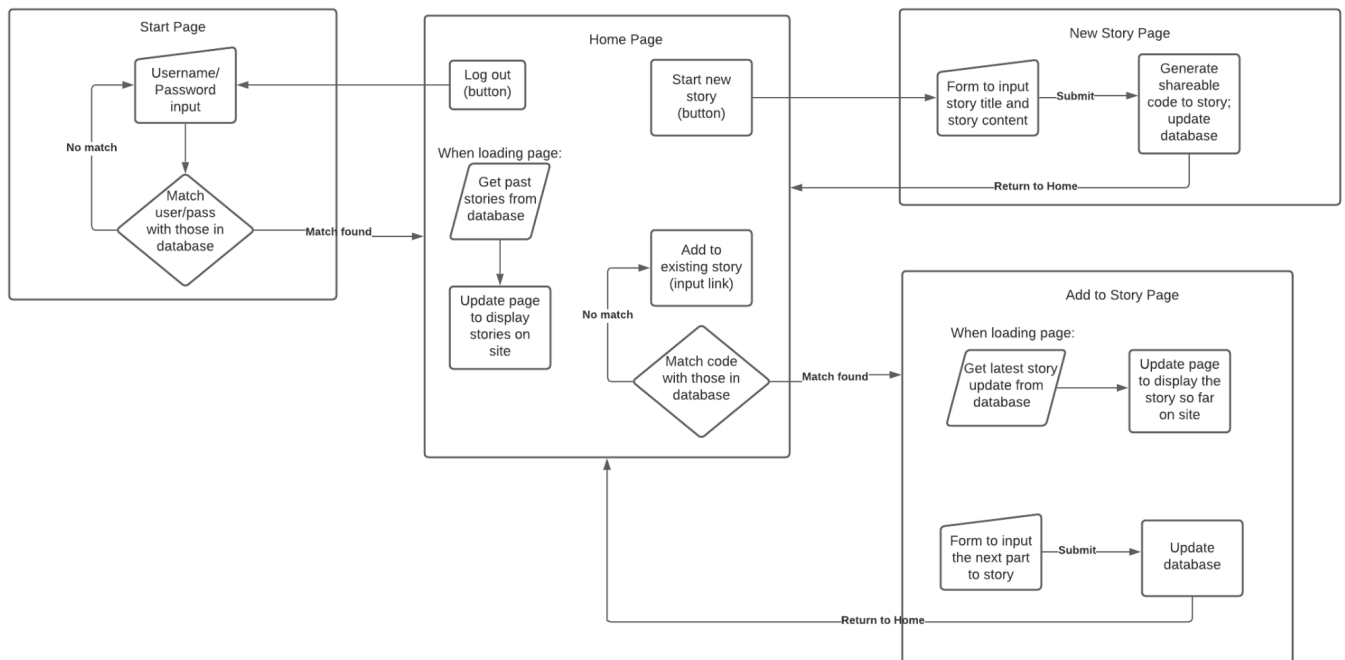
Table of Users and Passwords

User	Password	Works
<user1>	<password1>	<story1title>
<user2>	<password2>	<story2title>
...

Table of Stories For Rendering Info

Story	Full Story	Story's Latest Update
<Title of Story 1>	<Story 1 (full)>	<Story 1's Latest Update>
<Title of Story 2>	<Story 2 (full)>	<Story 2's Latest Update>
...

Site Map:



Nice to Have Features:

- Random story picker
- Search function to find specific stories

Tasks:

Josephine Lee: Project Manager; HTML templates, front end

Han Zhang: Python backend

Annabel Zhang: Python backend

Hebe Huang: Database generation