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Soft Dev

Storytelling game/website

2022-10-31

1. Program Components

a. Flask

i. /templates

1. login.html
2. home.html
3. create.html
4. add.html
5. view.html

ii. /static

1. login.css
2. home.css
3. create.css
4. add.css
5. view.css

iii. app.py

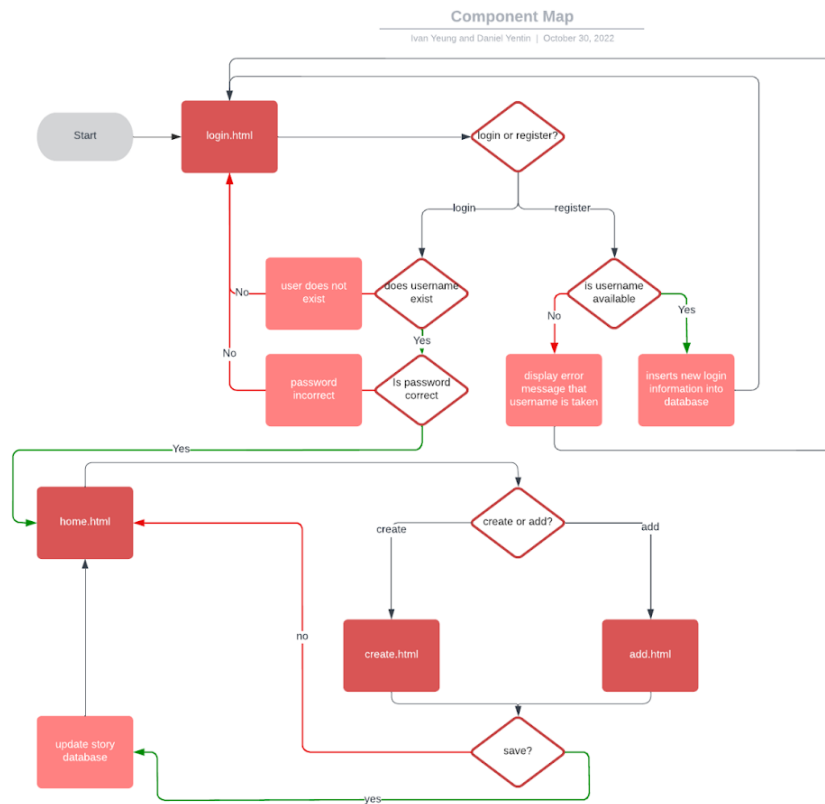
1. @app.route("/"):
 - a. login form: username & password
 - b. register form: username & password
2. @app.route("/home"): processes login input, then displays buttons to start a new story or add to an existing story
 - a. type=login: check username for existence / password correctness
 - b. type=register: check for username availability
 - c. New Story: two text input boxes:
 - i. Title (unique)
 - ii. Body

- d. Add to Story: selection box (displays editable stories)
 - e. View Story: Dropdown menu and all stories that user has contributed to including stories that they have created
- 3. `@app.route("/create")`: renders a page with two empty text boxes where the user can add a title and write their story and upload it to the database
- 4. `@app.route("/add")`: renders a page with the last contribution to the story and a text box where user can submit their own addition
- 5. `@app.route("/view")`: renders a page with the story that user selected from homepage

b. SQLite3

- i. Used in `app.py` to store data that users provide as they navigate through the site
- ii. `.db` file holding the tables and information

2. Component Interactions/Component Map



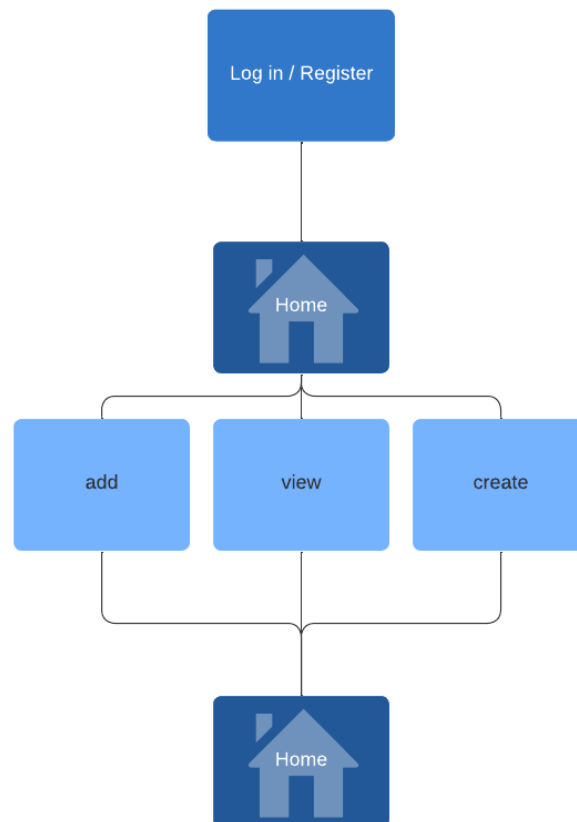
3. Database Organization

- a. stories: | title | creator | body | latest contribution |
- b. <story>: | contributors |
- c. users: | username | password |
- d. <user>: | stories |

4. Site Map

Site Map

Ivan Yeung and Daniel Yentin | October 31, 2022



5. Task Breakdown

- html templates: Ivan
- static css: Daniel
- app.py: Daniel & Ivan