Team HotCacao
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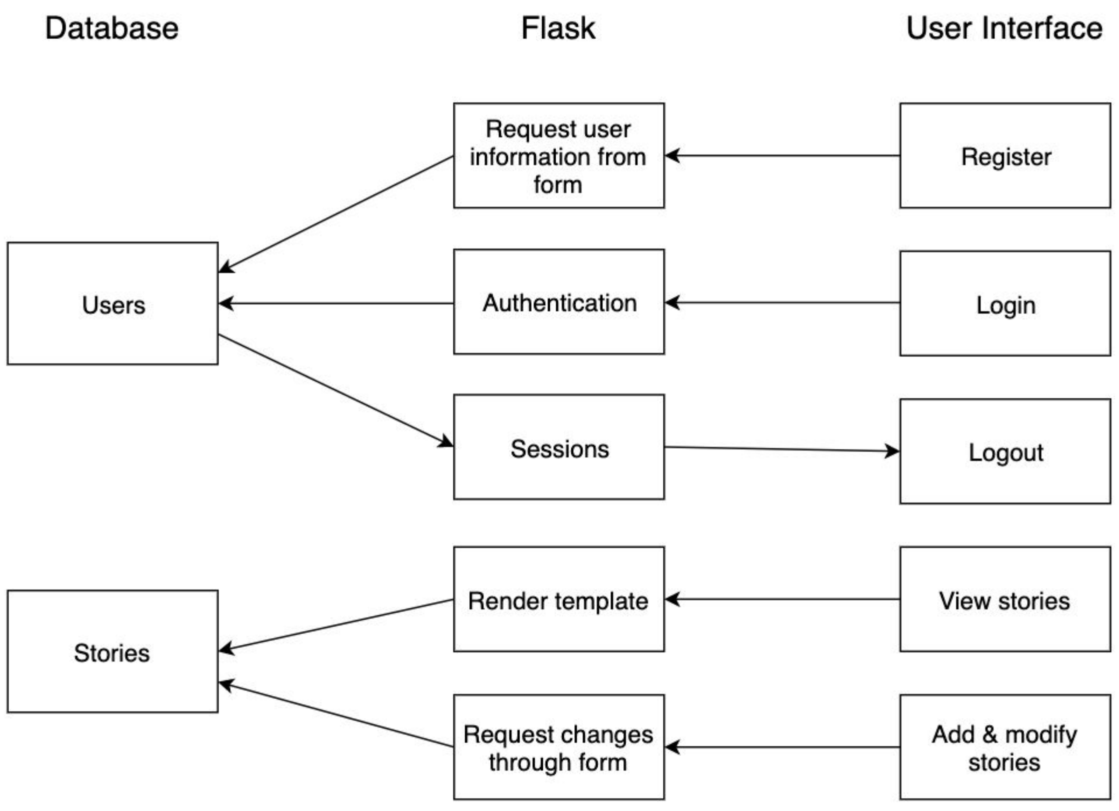
<u>Core Functionality</u>

- Login / registration system
- Cookies to store data
- Start a new story
- View all stories
- Record who has added to what
- User homepage/dashboard

<u>Roles</u>

Devin Lin: Frontend
Alice Ni: Backend
Joseph Yusufov: Backend
Hilary Zen: Project Manager + Frontend

<u>Component Map</u>



Database Layout

Users

user_id INTEGER	username TEXT	password TEXT	date_created DATETIME
1	“kingthomas13”	“Lebron23”	2019-10-26 01:01:49
2	“hotchocolate”	“12345”	2019-10-22 01:00:16

User_id: identifying number for each user, assigned automatically
Username: the displayed name for each account, entered by the user
Password: chosen by the user and stored as a string
Date_created: stores when the account was started, added to database automatically

Stories

story_id INTEGER	author_id INTEGER	title TEXT	body TEXT
1	1	“The Marshmallow”	“One day the marshmallow went for a walk. He fell into a cup of hot cacao.”
2	1	“The Ducky”	“Who is the ducky? Are you the ducky? Am I the ducky?”

Story_id: identifying number for each story, assigned in the order they are created
Author_id: taken from the users table, identifies the author of the story, i.e. the first contributor
Title: text identifying the title of each story
Body: full text of the story

Edits

story_id INTEGER	user_id INTEGER	edit TEXT	timestamp DATETIME
1	1	“One day the marshmallow went for a walk. ”	2019-10-26 01:00:16
2	1	“Who is the ducky? Are you the ducky? ”	2019-10-20 01:00:16
1	2	“He fell into a cup of hot cacao”.	2019-10-26 01:00:16
2	2	“Am I the ducky?”	2019-10-20 01:00:16

Story_id: identifying number for the story that the edit was done to.
user_id: taken from the users table, identifies the author of the edit.
edit: text added to each story
Timestamp: date and time of edit
Edits table reflects ALL changes, including the creation of a new story.

Tasks

- Create Flask app and database (Back) (Joseph)
- Write a script to create a story and add to one (Back) (Joseph)
- Make login / registration system (Back) (Alice)
- Allow logged in users to add/modify stories (Back) (Joseph)
- Prevent users from contributing twice to the same story (Back) (Alice)
- Make sure users only see the last update when modifying a story (Back) (Alice)

- Create templates to display stories (Front) (Hilary)
- Make a homepage where all the stories can be seen (Front) (Devin)
- Create a registration form / login form (Front) (Hilary)
- Create a add new / modify existing form (Front) (Devin)
- Create homepage where logged in users can read stories contributed to (Front) (Devin)

Front-end

- Landing.html
    - Checks if user is logged in or not and displays actions appropriately

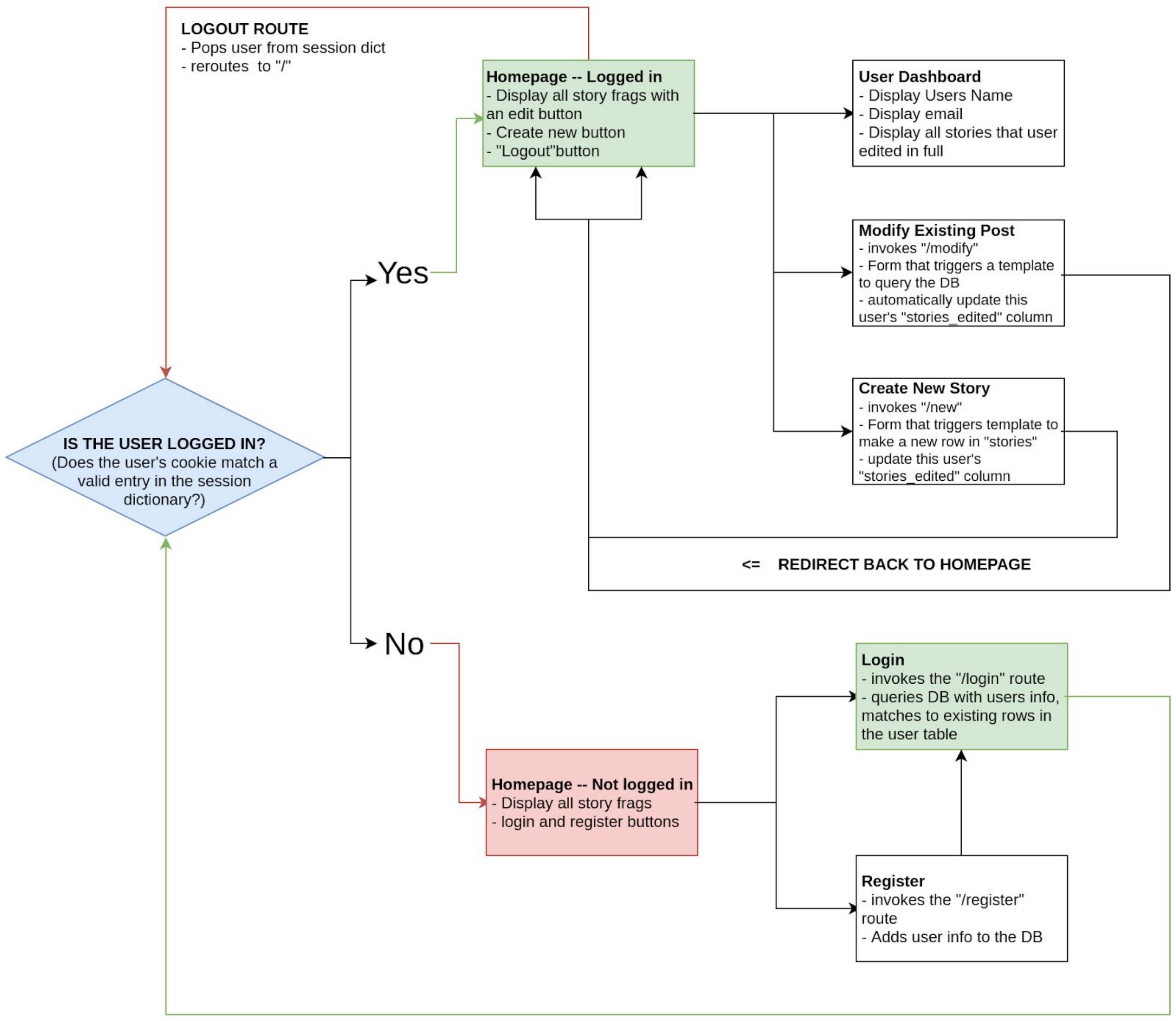
    - Logged in users will be able to see “edit” and “add” to story buttons and the stories they have contributed to in full
    - Users that are not logged in are shown the titles of all of the stories and the option to log in: they are unable to edit or create a story
    - Once a logged-in user creates or edits a story, they will not be shown the buttons to edit said story again therefore rendering them unable to contribute to the same story twice
- editStory.html
    - A form page where the logged in user is shown the last contribution to the story and a text box to add a specified maximum number of characters to the story
    - Once submitted reroutes user back to landing
- createStory.html
    - A form page where the logged in user is able to write a story and set a title
    - Once submitted reroutes user back to landing

<u>Back-end</u>

- app.py
    - Login System
        - Check user credentials against the user table entries in the database
        - If credentials match a row in the DB, add a user to the Sessions dictionary.
    - Registration System
        - Query DB, add a row containing user credentials to the user table.
        - Redirect back to login page.
    - Creates the users and stories databases
    - Routes for all pages and functions
        - “/”
            - Render “welcome.html” if user ***is not*** logged in
            - Render “homepage.html” if user ***is*** logged in
        - “/login”
            - If user is NOT LOGGED IN, redirect to “/”
            - Render “login.html”
            - login(reg args), and redirect to “/”
        - “/register”
            - If user is NOT LOGGED IN, redirect to “/”
            - Render “register.html”
            - register(reg args), and redirect to “/”
        - “/create”
            - If user is NOT LOGGED IN, redirect to “/”
            - Render “create.html”

            - create(reg args), and redirect to “/”
        - “/modify”
            - If user is NOT LOGGED IN, redirect to “/”
            - Render “modify.html”
            - modify(reg args), and redirect to “/”
        - “/dash”
            - If user is NOT LOGGED IN, redirect to “/”
            - Render “dash.html”
        - “/logout”
            - If user is NOT LOGGED IN, redirect to “/”
            - Pop user from session, redirect to “/”
    - create() function
        - @param: user id
        - @param: data to add to database
    - modify() function
        - @param: story id
        - @param: user id
        - @param: data to add to database
    - login() function
        - @param: username provided by user
        - @param: password provided by user
    - register() function
        - @param: username provided by user
        - @param: password provided by user

Site Map



LOGOUT ROUTE
- Pops user from session dict
- reroutes to "/"
Homepage -- Logged in
- Display all story frags with an edit button
- Create new button
- "Logout"button
User Dashboard
- Display Users Name
- Display email
- Display all stories that user edited in full
Modify Existing Post
- invokes "/modify"
- Form that triggers a template to query the DB
- automatically update this user's "stories_edited" column
Create New Story
- invokes "/new"
- Form that triggers template to make a new row in "stories"
- update this user's "stories_edited" column
Yes
IS THE USER LOGGED IN?
(Does the user's cookie match a valid entry in the session dictionary?)
<= REDIRECT BACK TO HOMEPAGE
No
Login
- invokes the "/login" route
- queries DB with users info, matches to existing rows in the user table
Homepage -- Not logged in
- Display all story frags
- login and register buttons
Register
- invokes the "/register" route
- Adds user info to the DB