Team Robert'); DROP TABLE S*;-- (a.k.a little_bobby_tables)
    Amanda Chen (PM), Jesse Hall, Kiran Vuksanaj, Tanzim Elahi
SoftDev1 Pd1
P00 -- Da Art of Storytellin' (Part X)
2019-10-17

Description

        In this web-based game, users of our website will be able to contribute to stories built collectively by the community, each user adding one sentence to paragraph at a time. However, what makes the results of these stories interesting is the lack of context given to the user when they edit. Someone who has not edited the story in the past may only see the most recent edit. Because of this, adjacent sections will be related to one another, but beyond this scope the stories will take wild twists and turns. Only once a user has contributed to a story, they can view the story as a whole, and then they cannot contribute again.

List of Components

1. Account Management
    a. Users will have to register to use the site.
    b. Logged-in users can either start a new story or add to an existing story.
2. Storytelling
    a. Reading Stories (restricted to most recent update)
        i. Users can only read stories after they've added to it
    b. Adding to Existing Stories
        i. Users are shown only the latest update to the story, not the whole thing.
        ii. A user can then add some amount of text to the story.
        iii. Once a user has added to a story, they cannot add to it again.
3. Databases
    a. Table for Stories
    b. Table for Each Story
    c. Table for Accounts
4. Making New Stories
    a. Users get to start with any amount of text and give the story a title.
    b. Logged in users will be able to read any story they have contributed to on their homepage (the landing page after login).

Databases

stories-list	
ID	**Name**
1	To Kill a Mockingjay
2	Treasure Lake
3	Charlene's Web
4	Oliver Straight
5	Alice in Wonderbread
6	Plant Farm
7	Of Wombats and Women
8	Celcius 232.778
...	...

Edits		
ID	**Edits**	**User**
1	When he was nearly thirteen, my brother Jem got his arm badly broken at the elbow.	red
1	When it healed, and Jem's fears of never being able to play football were assuaged, he was seldom self-conscious about his injury.	blue
3	When Mr. Arable returned to the house half an hour later, he carried a carton under his arm.	green
7	On the sandy bank under the trees the leaves lie deep and so crisp that a lizard makes a great skittering if he runs among them.	pink
1	He couldn't have cared less, so long as he could pass and punt.	orange
...	...	...

accounts	
Username	**Password**
red	aaaaabbbbbcccc
orange	yesyesyes01
yellow	ohokthen
green	365/24/7
blue	iamamazing
indigo	ruseriousrn
purple	lolofcimnot
pink	helloworldhelloworldhelloworld
...	...

There will be three database tables for this website. One will keep track of all the stories that have been created, assigning each one a unique ID. The other will keep a history of all the edits made, tracking the contribution, user that contributed, and the ID that goes with the story. The last will keep track of all the accounts.

Site Components

Welcome

Sign In
Sign Up

Welcome! Create, share and read stories

Login/Create Account

Username

Password

Submit

Homepage

All Stories | Create New

My Stories

The Arabian Night
DragonBall

Logout

The Arabian Night

Home

It has been related to me, O happy King, said Shahrazád, that there was a certain merchant who had great wealth, and traded extensively with surrounding countries; and one day he mounted his horse, and journeyed to a neighbouring country to collect what was due to him, and, the heat oppressing him, he sat under a tree, in a garden,1 and put his hand into his saddle-bag,2 and ate a morsel of bread and a date which were among his provisions....

Logout

All Stories

Home | Create New

Charlotte's Web
Othello
Naruto
Attack on Titan
My Hero Academia
...

Logout

Modify Stories

Home | Back

Othello

Despise me, if I do not. Three great ones of the city,
In personal suit to make me his lieutenant,
Off-capp'd to him: and, by the faith of man,
I know my price, I am worth no worse a place:

Your Contribution:
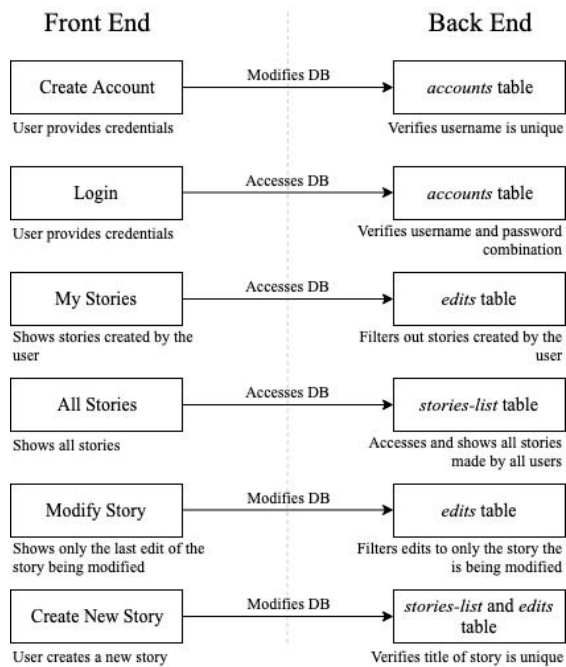
Submit

Logout

Create New Story
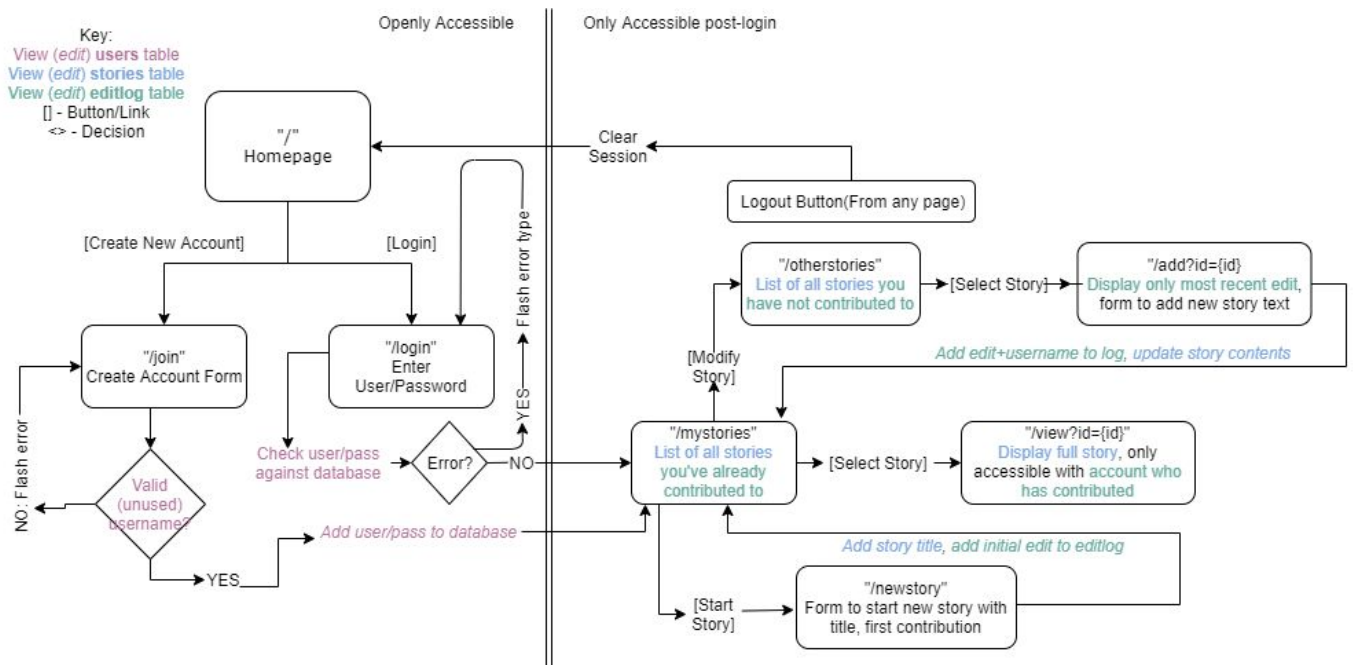
Home | Modify

Title

Your Contribution

Submit

Logout

There will be a total of seven different pages. The landing page will be a sign in/sign up page if the user is not already logged in; else, the user will be led to the home page. The login/create account page will look the same. At the home page, the user can click on a story to read, go to a list of stories to modify, or create a new story. The modify stories and create new stories page will be a form the user can submit to.

Components Map

Front End / Back End

Front End		Back End
Create Account — User provides credentials	Modifies DB	*accounts* table — Verifies username is unique
Login — User provides credentials	Accesses DB	*accounts* table — Verifies username and password combination
My Stories — Shows stories created by the user	Accesses DB	*edits* table — Filters out stories created by the user
All Stories — Shows all stories	Accesses DB	*stories-list* table — Accesses and shows all stories made by all users
Modify Story — Shows only the last edit of the story being modified	Modifies DB	*edits* table — Filters edits to only the story the is being modified
Create New Story — User creates a new story	Modifies DB	*stories-list* and *edits* table — Verifies title of story is unique

Site Map

Tasks Breakdown

1. <u>Create an app using Flask</u> -- Amanda
   a. Make a simple app that displays the homepage of the website
      i. Includes the name of the site, a *login* button and a *create account* button
      ii. Use templates for team information as the footer and other necessary information in the header

2. Create account management -- Kiran
    a. Add the routes for the login/create account
        i. Make a database to store accounts
        ii. Include <u>error</u> messages warning users of an *incorrect password*, the *user does not exist*, etc.
3. Create the story databases -- Tanzim
    a. Make a database for the titles of all stories
    b. Make another database table to keep track of all story edits
        i. Each edit will have an ID to keep track of which story it adds to
4. Create the home page for logged-in users -- Jesse
    a. Add a route for users
        i. The page will display links to stories that the user has access to
            1. This only includes stories that they have already contributed to
            2. If they are a new user, there will be no links
                a. Add instructions for new users
        ii. Add buttons for *new story* and *modify story*
5. Create the editing function -- Kiran + Amanda
    a. The *modify story* button will lead users to a new route
        i. This page will show links to the stories the user has yet to contribute to
        ii. Each link will lead to a form where the user will see only the title for the story, the previous contribution, and a text box to submit their contribution
            1. Add a maximum/minimum character limit
        iii. Hitting the submit button will update the database for that story and send the user back to the home page
6. Create the new story function -- Jesse + Tanzim
    a. The *new story* button will lead users to a new route
        i. This page will show a form for the user to fill out
            1. The title of the new story
            2. A text box with a maximum/minimum character limit
        ii. Hitting the submit button will update the database for that story and send the user back to the home page