

Team SOS

Members: Matthew Chan (PM), Hannah Fried, Coby Sontag, Jionghao Wu

Project Name: Smallpox Stories

Slogan: Pass it around!

Division of Labor:

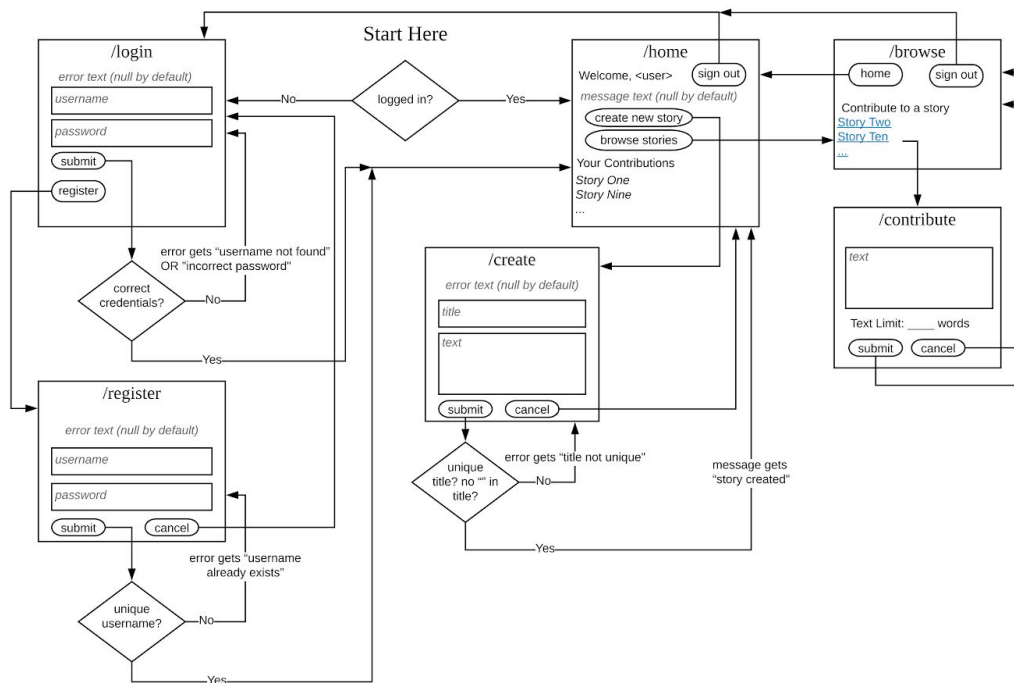
- **Database**: sqlite3 commands, facilitating adding/editing data, creation of databases (SQLite)
- **Frontend**: HTML templating files, using blocks, Jinja interactions
- **Backend**: linking form data from site to database functions, Flask routing to different stories

- Matthew: **Project Manager**, **Backend** (mainly assisting)
- Hannah: **Database**
- Coby: **Backend**
- Jionghao: **Frontend**

Feature/Functionality Descriptions:

- **Account Feature**
 - Need to have an account to use the site
 - With account, can create new stories
 - With account, can add to existing stories
 - When logged in, can see stories that user has contributed to
 - Tracks user contributions for each story
 - Users can only add once to a story
- **Creating New Story**
 - User able to set a specified title
 - User able to start with any amount of text
- **Adding to Story**
 - User able to add specified amount of text
 - Users only able to add once
 - User only sees latest update to the story

Site Map:

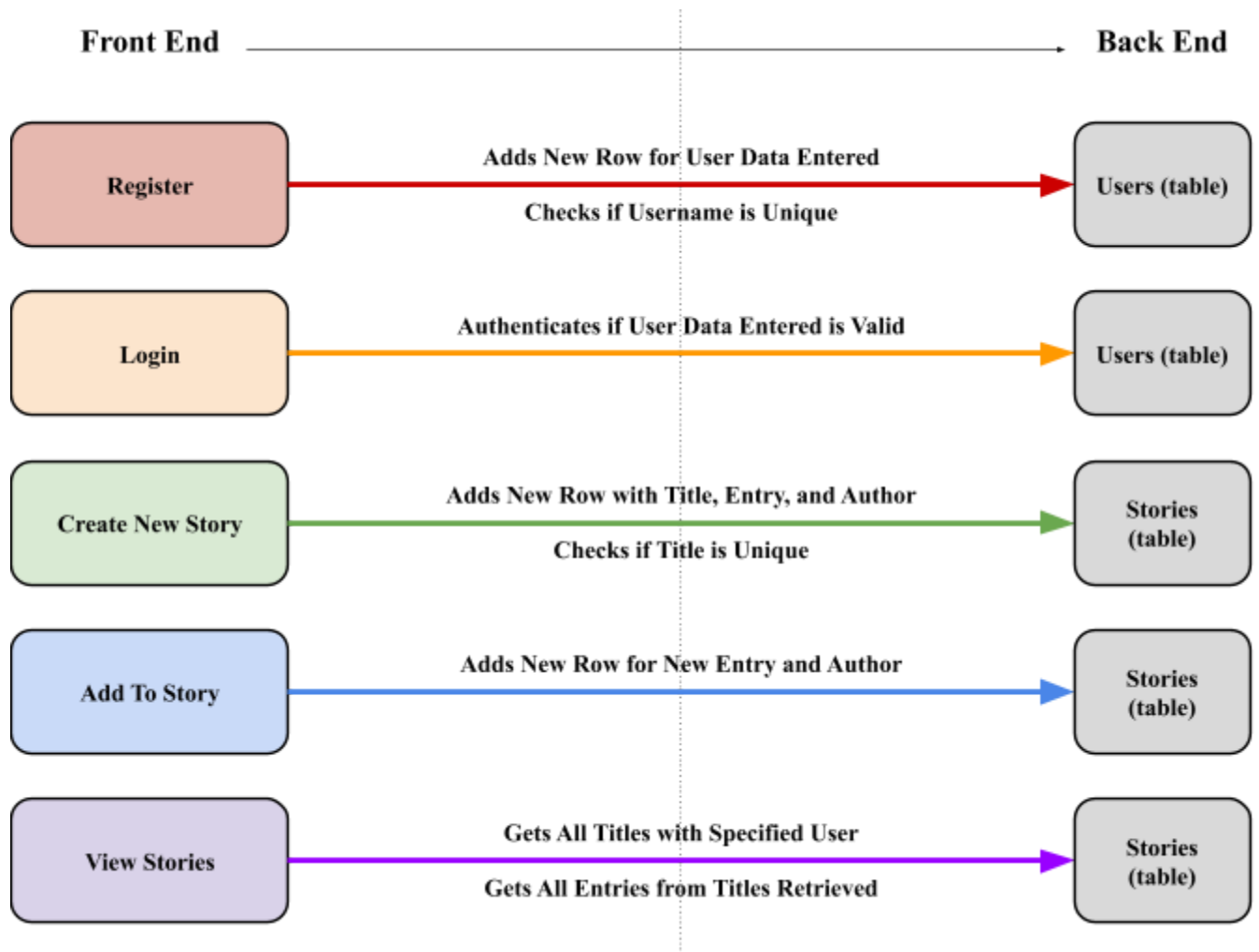


Component/Page Description:

- /login
 - Takes in user data for username and password
 - Authenticates user data entered
 - Flashes error message if data authentication fails
 - If authentication successful redirects to /home and adds user to session
 - Able to register for a new account by clicking the button
 - Redirects to /register
- /register
 - Takes in user data for username and password
 - Checks if username or password are empty
 - Flashes appropriate error
 - Checks if username is unique
 - Flashes error if not unique
 - If unique, redirects to /home and adds user to session
- /home
 - Welcomes the user currently logged in

- Able to sign out
 - Redirects to /login
 - Removes session data for user
- Able to create new story
 - Redirects to /create
- Able to browse stories (not already contributed to)
 - Redirects to /browse
- Displays all stories contributed to
- /create
 - Takes in user data for title and text
 - Checks if title is unique
 - Flashes error if not unique
 - If unique, redirects to /home and flashes successful creation message
 - Able to cancel creation
 - Redirects to /home
- /browse
 - Able to return to /home page
 - Able to sign out
 - Redirects to /login
 - Removes session data for user
 - Displays titles of stories not yet contributed to
 - Able to click on story titles (as buttons)
 - Redirects to corresponding /contribute using GET method of submit buttons
- /contribute
 - Depends on the GET request received from whichever button was pressed
 - Takes in user data for text
 - Automatically sets text limit for text box, will not allow them to type more than 300 characters
 - Able to cancel contribution
 - Redirects to /browse

Component Map:



Database Layout Diagram(s):

smallpox.db

Stories - this table holds all entries for all stories using the story's title as its identifier because every title is expected to be unique; stores corresponding authors for each entry to each story to track contributions

Title	Entry	Author
"Cool beans"	"When I was a young boy"	"CobyEatsHorseMeat"
"Coolest beans"	"I like cheese, I always have."	"PETAisONyourBUTT"
"Cool beans"	"My father took me into the city"	"PETAisONyourBUTT"
... (TEXT)	... (TEXT)	... (TEXT)

Users - this table holds the authentication data necessary to check users' login information

Username	Password
"CobyEatsHorseMeat"	"dontTellMyWife"
"PETAisONyourBUTT"	"passableword"
... (TEXT, UNIQUE)	... (TEXT)