

Team SOS

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

Project Name: Smallpox Stories

Slogan: Pass it around!

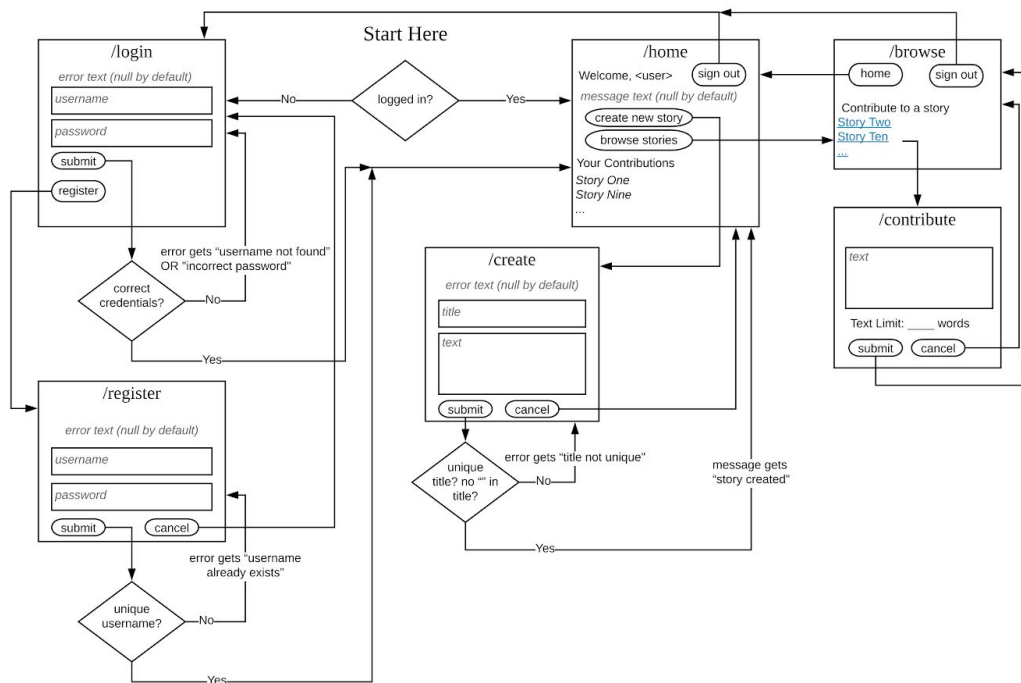
## Division of Labor:

- **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:

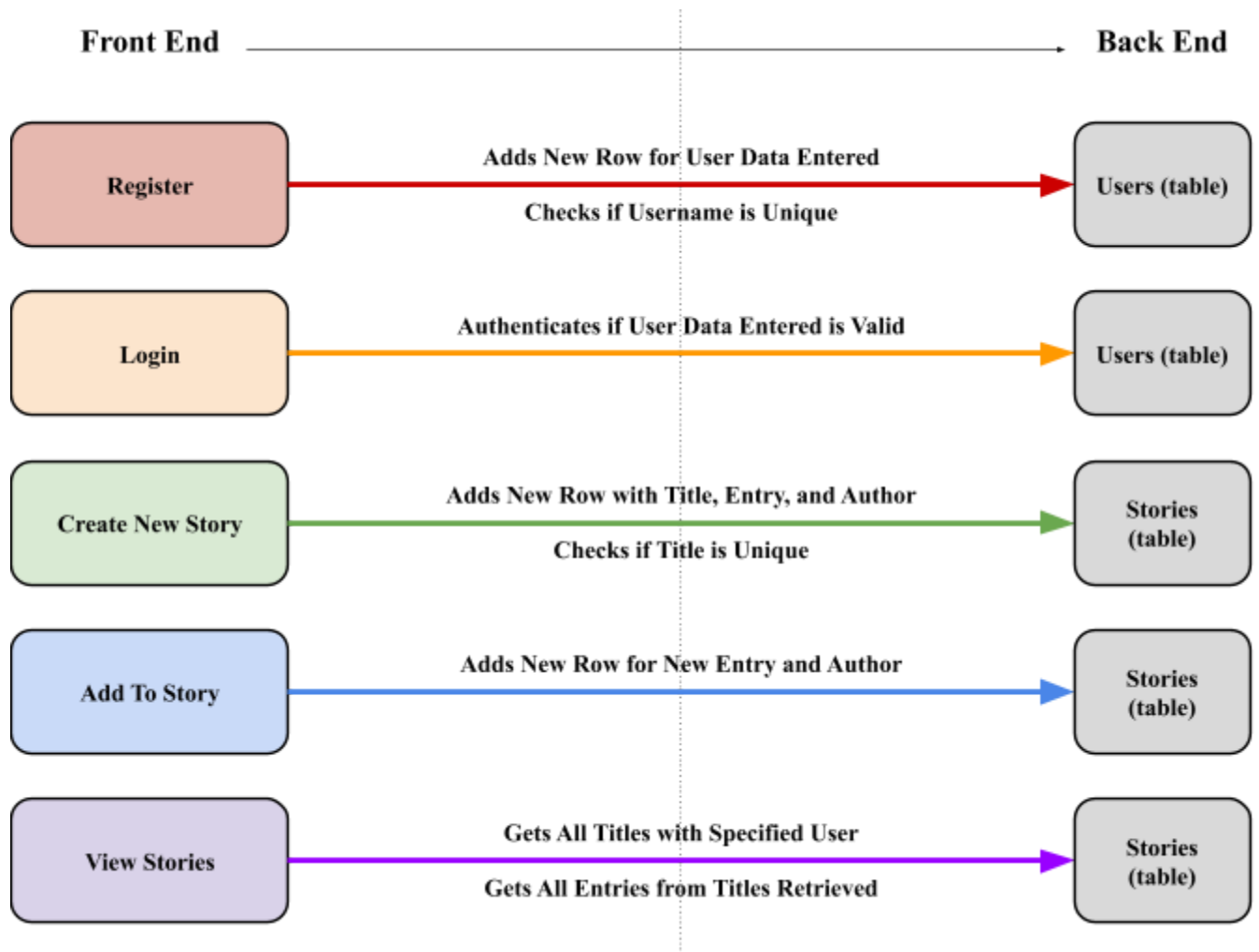


## Component/Page Description:

- /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 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 and flashes cancellation message
- /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
    - Redirects to corresponding /contribute/<title>
- /contribute/<title>
  - A route exists for each story and its title
  - Takes in user data for text
  - Checks if within text limit
    - If over the limit, flashes error message
    - If under the limit, redirects to /browse where the story will no longer appear
  - 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, UNIQUE)	... (TEXT)	... (TEXT)

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

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