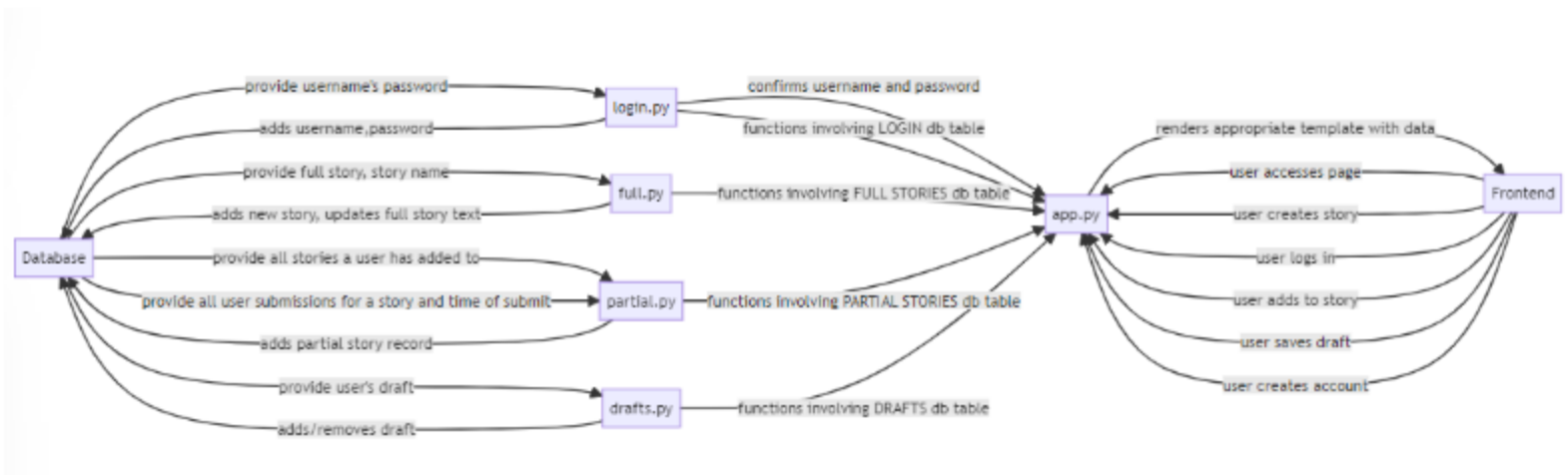


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 Team: Uh?
 SoftDev
 P00: Storytelling Game/Website Design Doc
 2022-10-27
 Time spent: 5.3 hrs
 Target Ship Date: 2022-11-16

Program Components

- app.py (To run flask's micro web framework)
 - Renders templates
- login.py - contains functions involving LOGIN table
- full.py - contains functions involving FULL STORIES table
- partial.py - contains functions involving PARTIAL STORIES table
- drafts.py - contains functions involving DRAFTS table
- Html template files (To display html on a webpage)
 - Main page
 - Login page
 - Full Story page
 - Account creation page
 - New story creation page
 - Edit/Add-to-story page
- Readme (Overview of the Program and how to run it)
- A Sqlite database file for storing info (See Database Organization for more info)
- Python file that takes in users changes and creates an html output from it (init.py)

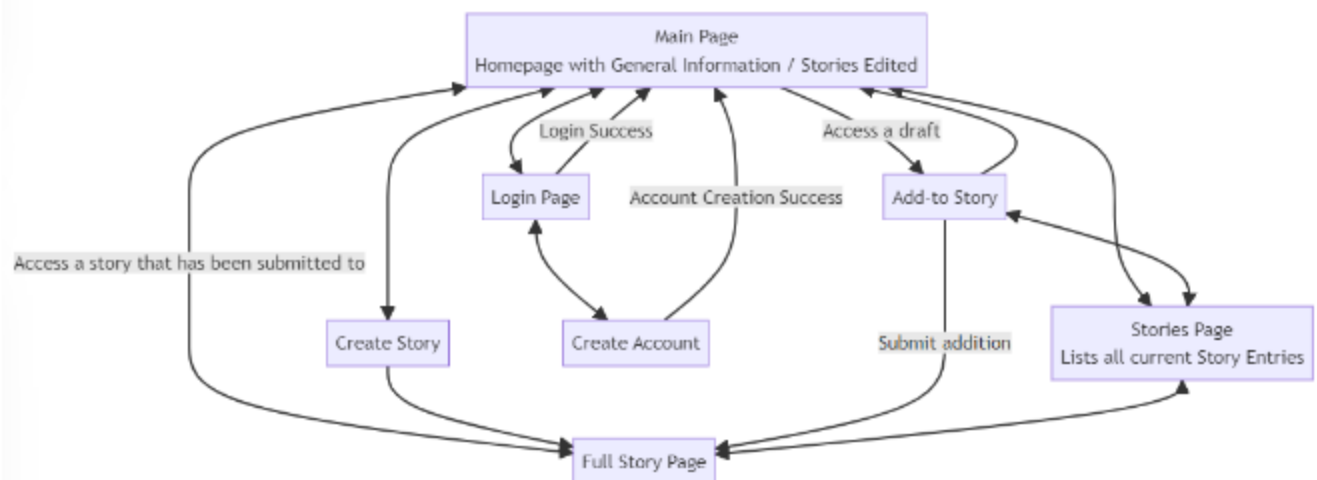
Components Map



Site Map

- Main page (First page to show when opening the webpage)
 - Checks if user is logged-in
 - If not:
 - text is displayed that prompts user to log-in
 - Buttons to Login/Create Account
 - If is:
 - Shows list of all the stories user has created, added to, and has drafts for
 - Buttons to edit a draft, create a story, view all stories in the Story Page
 - Login/Create Account button changed to Logout button
- Login Page
 - Opened by pressing login on Main Page
 - Html form to enter username and password
 - Redirect to Main Page when successfully logged in
 - Button that leads to Create Account Page
- Create Account Page
 - Form to enter a username
 - Checks databases if there is a matching username. If there isn't, prompt the user to create a password
 - If there is, prompt user to enter a different username
 - Checks if password is at least 8 characters long
 - If not, prompt user that password must be at least 8 characters long
 - Save username and password together in LOGIN table in Sqlite database
- Stories Page
 - Displays all Story Entries that you can add to
 - Search function to find a specific story name or id
- Add-to-Story Page
 - Displays story title and id
 - Displays most recent addition to the story
 - Provides a textbox to be submitted with user's addition
 - User is limited to 250 words and is unable to submit if over
 - If user had a previous draft saved, load it in this textbox
 - Check if sequence id of partial story that the draft is continuing is same as sequence id of current partial story displayed
 - If don't match, notify user that the partial story displayed is now different
 - Dealing with "merge conflict" when submitting:

- Take the sequence id and story id of the partial story currently being displayed to the user and check if there is a record in PARTIAL STORIES table with the same story id and a sequence id of +1
 - If such record exists, give the user a merge conflict error
 - If such record doesn't exist, create this record using user submission data
 - Upon successful submission, brought to appropriate Full Story Page
 - Button to save as draft
 - Button to stop saving draft
- Create Story Page
 - Requests a story title
 - Textbox for start of story that is to be submitted
 - If user had a previous draft saved, load it in this textbox
 - No word cap
 - Upon submission, brought to appropriate Full Story Page
 - Button to save as draft
 - Button to stop saving draft
- Full Story Page
 - Displays story title, story id, last added to time, starting user, # of contributions
 - Displays the full story
 - Option to view full story with contributors assigned to their respective sections and addition dates



Database Organization

- A FULL STORIES table containing the story's title, full story, story id, last added to time
 - Story id generated when new story is created
 - New id is <last_created_story's_id> + 1, starting at 0
- A LOGIN table containing usernames, passwords, user id
 - User id generated upon account creation
 - New id is <last_new_user's_id> + 1, starting at 0
- A PARTIAL STORIES table containing user id, story id, user's addition, user submission time, sequence id
 - Sequence id generated when new addition is made/upon creation
 - New id is <last_addition's_sequence_id> + 1, starting at 0
- A DRAFTS table containing user id, story id, user's draft text, sequence id of partial story that the draft is continuing

Task Breakdown

- Creating html templates (Brian)
- Ability for user add stories (Mohabir)
- Ability for user to add to stories (Mohabir)
- Preventing people who are not logged in from editing (Verit)
- Preventing people who are logged in from editing the same stories again (Verit)
- Allowing users to see all the pages they have edited on the main page (Brian)
- Ability to login/signup (Brian)
- Ability to save and delete drafts
- Stories page search function
- Ability to view full stories
- Ability to view full stories with "history"