Team Jelly Jam Pancakes: Jacob, Jeremy, Prattay
SoftDev Pd 07
P00 Design Doc
November 2022
Target Ship Date: 2022-11-14

PROGRAM COMPONENTS:

Python File-
- app/__init__.py (Website runner):
    - will run the website, serve and retrieve data using Flask
    - render login.html and home.html
    - Get and post request for user logins

- app/db_builder.py (Database builder)
    - will create/edit the database for story/line storing
    - will create/edit a database to store users and passwords
        - this will be checked to determine if a user has already created/added to a story

HTML Files-
- /templates/welcome.html
    - Home page for those entering the website
    - Buttons for logins / registering
- /templates/register.html
    - Page for new users to create their accounts
    - Will have UserID form, and PW & retype PW form
    - Will login the user immediately after account creation (?)
- /templates/login.html
    - General login page for registered users
    - Security features TBD
- /templates/feed.html
    - The home page where the user can decide to create a new story, or browse through loaded previews of already created stories
    - Previews may only show the latest update/line added to a story, but will show a user the whole story if the user has already edited the story
        - For a telephone game like story creating process and to follow RULES

- /templates/editing.html

- Opens an editing window (similar to when you edit a file on github where the user can input new lines to a story

- /templates/stories.html
    - Retrieves data from stories.db and displays the contents of stories onto the webpage

CSS File(s)-
- Display the stories in a social media-like feed, like an Instagram FYP, but instead of posts it is stories and their thumbnails/titles and latest line added.
    - Most upvotes? Most updated/edited? Search feature for genres/titles.

TITLE: Burger LAST UPDATE: LOREM IPSUM BACONATOR YUMMY	TITLE: Granola Bars LAST UPDATE: Nature Valley very yummy
TITLE: Peppa Pig LAST UPDATE: LOREM IPSUM PEPPA TURNED TO BACONATOR YUMMY	TITLE: Train Ride LAST UPDATE: TRAIN GOES BRRR

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- Will add more detail in later versions

DB Files-
- Logins.db
    - User ID | Password
    - Stored in text
- Stories.db
    - Story ID | Title | Whole story | User IDs | Latest Line added
    - Stored in text

WEBMAP:
"/"
- Root webpage, displays login.html
- Asks to input username and password, or create a new one

"/home"
- Home page after the user logs in, displays previews of stories using feed.html

"/create"
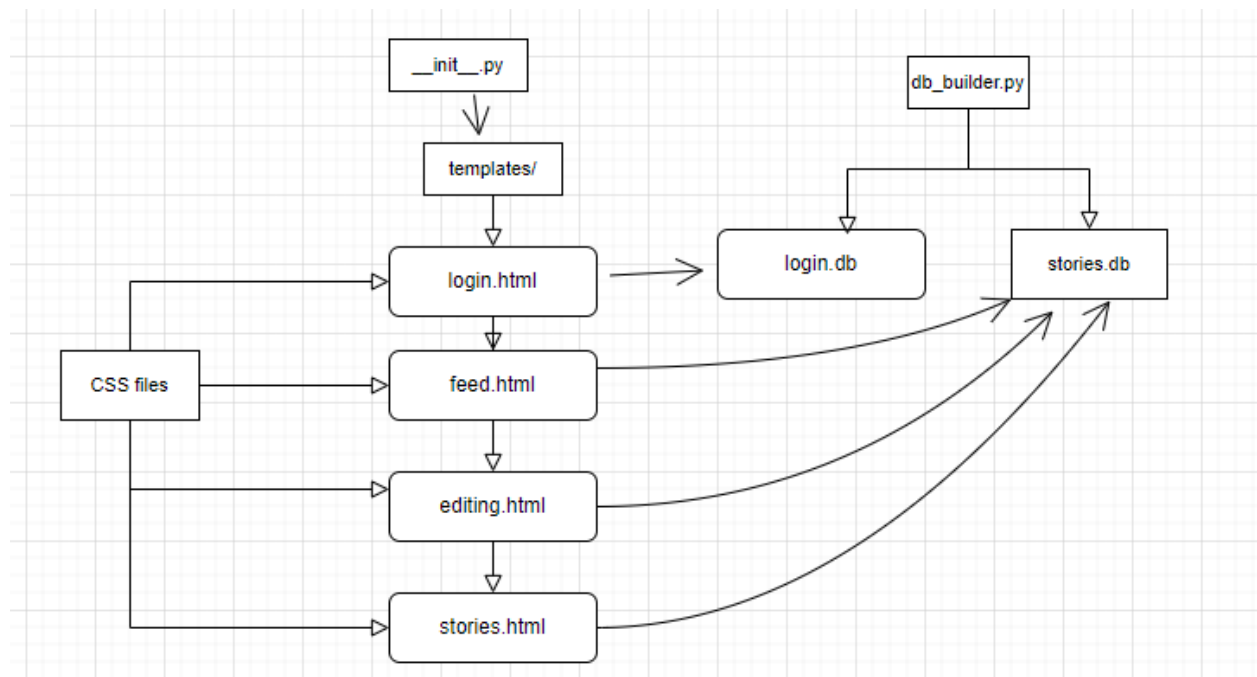- Creates a new story, uses edit.html
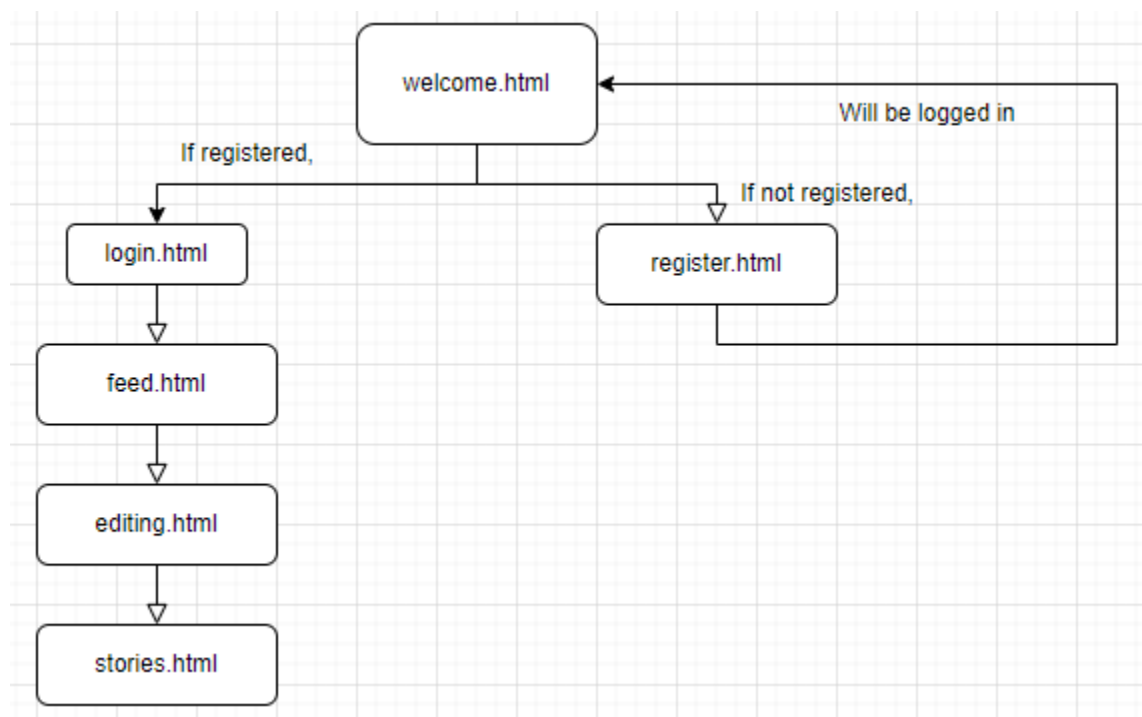
"/<story-title>"
- Displays contents of a story

"/<story-title>/edit"
- When a user chooses to edit a specific story that already exists, uses edit.html

COMPONENT MAP:

```
                    ┌──────────┐                          ┌──────────────┐
                    │__init__.py│                         │db_builder.py │
                    └────┬─────┘                          └──────┬───────┘
                         │                                       │
                         ▼                              ┌────────┴────────┐
                   ┌──────────┐                         │                 │
                   │templates/│                         ▼                 ▼
                   └────┬─────┘                  ┌──────────┐      ┌──────────┐
                        │                        │ login.db │      │stories.db│
                        ▼                        └──────────┘      └──────────┘
    ┌─────────┐   ┌──────────┐  ──────▶
    │         │──▶│login.html│
    │         │   └────┬─────┘
    │CSS files│        ▼
    │         │   ┌──────────┐
    │         │──▶│feed.html │
    └─────────┘   └────┬─────┘
                       ▼
                  ┌──────────┐
                  │editing.html│
                  └────┬─────┘
                       ▼
                  ┌──────────┐
                  │stories.html│
                  └──────────┘
```

SITE MAP FOR FRONT END:

```
                        ┌──────────────┐
                        │ welcome.html │◀──────────────────────┐
                        └──────┬───────┘      Will be logged in │
        If registered,        │                                │
          ┌───────────────────┴──────────┐ If not registered,  │
          ▼                               ▼                     │
    ┌──────────┐                    ┌──────────────┐            │
    │login.html│                    │ register.html│────────────┘
    └────┬─────┘                    └──────────────┘
         ▼
    ┌──────────┐
    │feed.html │
    └────┬─────┘
         ▼
    ┌──────────┐
    │editing.html│
    └────┬─────┘
         ▼
    ┌──────────┐
    │stories.html│
    └──────────┘
```

TASK BREAKDOWNS:
Jerm: PM, will work on SQL and db organization (db_builder
Prattay: will work on Flask and __init__
Jacob: will work and create on the HTML and CSS files