Team TacoCat -- Gordon Lei, Henry Zheng, Angelica Zverovich
SoftDev1 pd8
Project0 -- Tell me a story… or write about it
2017-10-23

The Plan: Option 0

Program Components

- **login.py**: the main .py file that holds all of the functions / methods.
- **base.html**: is the basic template that all other templates extends from. Holds the overall style / html tags necessary.
    - **login.html**: a template that extends base.html. This is the "root" page that asks for the user to login or register for an account.
    - **register.html**: a template that extends base.html. It asks for the user to put in username / password information to create a new account.
    - **edit_story.html**: a template that extends base.html. Holds the html tags necessary for editing the lines the user inputted for the story.
        - Holds text fields for adding lines to story / making a new story
    - **home.html**: a template that extends base.html. Holds the design for the home page.
    - **display.html**: a template that extends base.html.
        - Holds buttons to ask the user to take actions.
    - **list.html**: a template that extends base.html. Lists the amount of stories the user has contributed to and can edit.
- **story.db**: the general database that holds tables necessary for the website to work (ex. Storing login profiles / information, stories, etc.) More is listed in the Database Schema.

Database schema

- **story.db** holds:
    - One table (called **users**) for the logins
        - one column for username
        - one column for password
    - One table (called **history**) to store the list of previous insertions
        - one column for username
        - one column holds the id of the stories
        - one column (called content) that has the story (holds the person's contribution to the story)
    - One table (called **stories**) to store the list of the total stories
        - one column holds the id of the stories
        - one column with title of the story
        - one column with the full story
        - one column of the previous update to the story
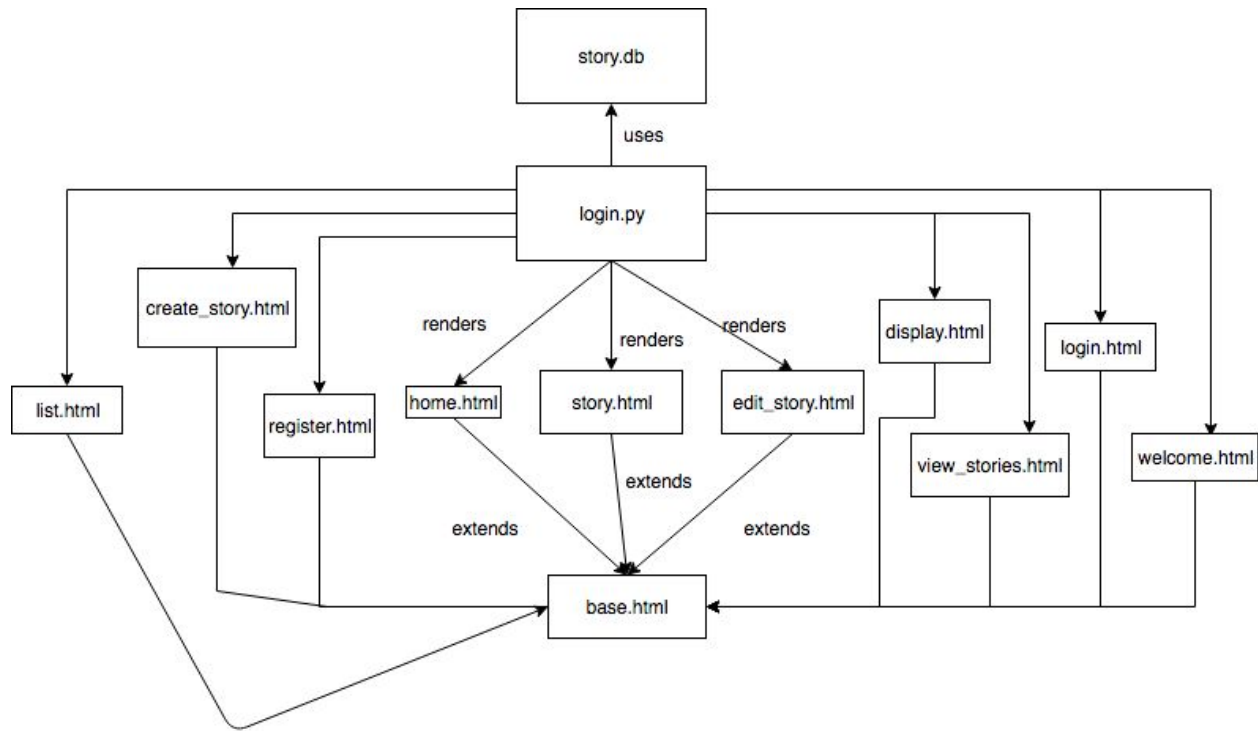
Site Map Explanation

- User starts at **root route** and in the **root page**
    - They have the option of entering their login information and pressing the login button (redirects to **welcome page**) or pressing the register button to create an account (directs to the **register page and route** that asks for desired login information).
- At the **root page**, the user will be asked to input their username and password unless if they are creating an account.
    - If the person is creating an account, two text fields will appear asking for a username and password.
        - If the username already exists, a flashed message will appear, telling the user the name is already taken.
        - Once the account is created, it will flash a successful creation message and will either redirect to the **root page** to force the person to login.
    - If the login fails, they will return to the **login page** with flashed errors for either inputting the wrong password or typing in the wrong username / the username does not exist.
- Once putting in an existing login information, the person will be logged in to the **home page**.
    - Here the person will see options to either add to a story, create a story, view a story, or edit a story.
    - The user can also log out via a button.

- Once the user picks one of the options on the **home page**, they will be sent to the **story route** and into the appropriate story pages
    - **createStoryHome page** is where the user is shown two text fields (one for the tile and one for its contents) and can create a new story.
    - **chooseEditStory page** is the page the user can edit other people's stories <the user adds another line>. Here the user selects which story to edit
        - **choosenEditStory page**: the user is prompted with a text field asking for their line. THey also see what was the last line added
    - **viewStory page** is the page the user sees a list of other stories to read
        - **display page:** this is the page where the user sees the contents of the chosen story
- Within all of the pages except the root page, users have the option to logout, which sends them to the **login route** and directs them to the **root page** with their session logged out.

Tasks

- Design Doc: Gordon Lei
- Front-end: Gordon Lei
    - HTML / CSS: Gordon Lei
- Back-end: Henry Zheng (**PM**), Angelica Zverovich
    - Login / Logout
    - Story

Component map

```
                          ┌──────────────┐
                          │   story.db   │
                          └──────────────┘
                                 ▲
                                 │ uses
                          ┌──────────────┐
        ┌─────────────────┤   login.py   ├─────────────────────┐
        │         ┌───────┴──────────────┴───────┐             │
        │         │                               │            │
┌───────────────┐ │                               │    ┌──────────────┐   ┌────────────┐
│create_story.html│                               │    │ display.html │   │ login.html │
└───────────────┘ │                               │    └──────────────┘   └────────────┘
        │    renders      renders      renders         │
┌──────────┐  ┌──────────────┐  ┌──────────┐  ┌────────────────┐
│list.html │  │register.html │  │home.html │  │story.html│  │edit_story.html│
└──────────┘  └──────────────┘  └──────────┘  └────────────────┘
```

story.db

login.py — uses → story.db

create_story.html

list.html

register.html

home.html — renders

story.html — renders

edit_story.html — renders

display.html

view_stories.html

login.html

welcome.html

base.html

home.html — extends → base.html
story.html — extends → base.html
edit_story.html — extends → base.html
list.html — extends → base.html

Site map

logout and return to root page

logout route

if login info is right,
proceed to home page

if the user
decides to edit / create
a story, go to the story
route and into the
appropriate page

welcome page

After authentication
go back to root to
relog

root page

authentication (auth)

story route

All "story pages"
can go back
to welcome page
or one step back

checks if login
information is
correct

go to createStory page
if a new story is to be
made(go back if made)

go to editStory page
if the person has not
edited the story yet

Users start off at the root page
and are presented with an option to
login.

go to viewStory page
to view stories

lists stories
user can
edit

home
route

createStoryHome
page

viewStories page

chooseEditStory
page

displays
chosen
page

chosenEditStory
page

display page

displays Story

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