

notes-and-code: Hui Wang, Jonathan Song, Ryan Lau

softdev

p00: stories

2022-10-27

time spent: 15 hrs

target ship date: 2022-11-09

program components

- `__init__.py`: flask server, define routes, query **db** with functions imported from **auth.py** and **stories.py**
- `templates/`
 - ~~`home.html`~~
 - if not logged in, shows login form with link to `/register`
 - if logged in, shows last 5 stories that user has and has not contributed to with links to `/stories`, `/new_stories`, and `/new`
 - ~~`register.html`~~
 - creates user entry in users table if username does not exist, return error if username taken
 - create a session entry in sessions table
 - redirects back to `/` when successfully registered
 - ~~`new_story.html`~~
 - form with a title field and content field
 - ~~`stories.html`~~
 - list of stories; will be used by both `/stories` and `/new_stories`
 - ~~`story.html`~~
 - only viewable to users who have contributed to story
 - page displaying full story
 - ~~`hidden_story.html`~~
 - only viewable to users who have not contributed to story
 - page only showing the last line of story
- **db**: sqlite3 database; see **database structure**
- **auth.py**: functions that perform SQL queries on **users** table in **db**
 - validate credentials
 - check if username is available
 - get user id from username
 - create user
 - create table
 - delete table

- **stories.py**: functions that perform SQL queries on **stories** and **contributions** table in **db**
 - get list of contributed stories
 - get list of not contributed stories
 - get story content
 - get story title
 - add contribution
 - create new story
 - create table
 - delete table

database structure

users

id INT	username TEXT	password TEXT
1	taylorswift	t@y10r\$w1ft
2	shawnmendes	\$h@wnm3nd3\$

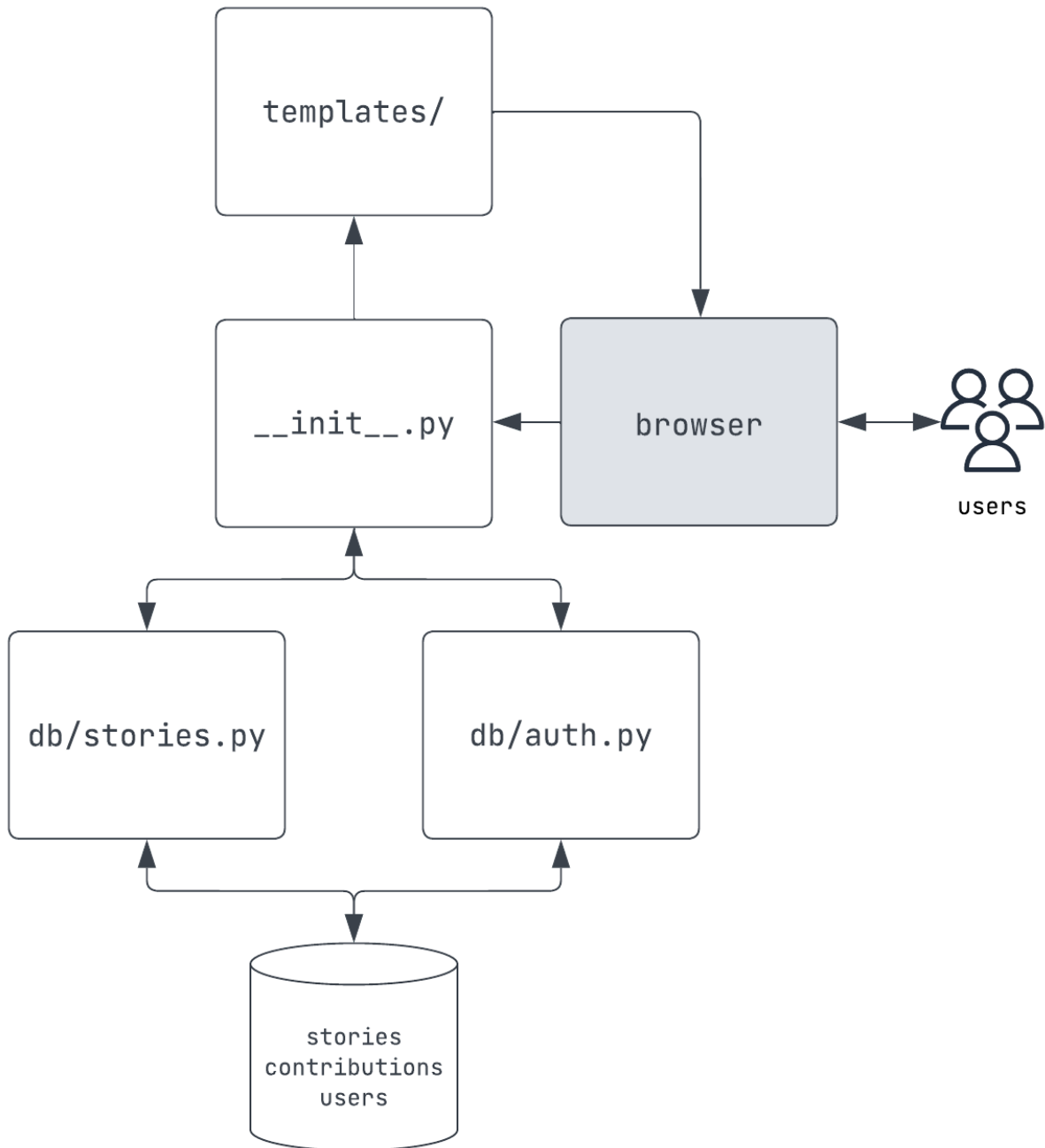
stories

id INT	title TEXT
1	Love Story
2	In My Blood

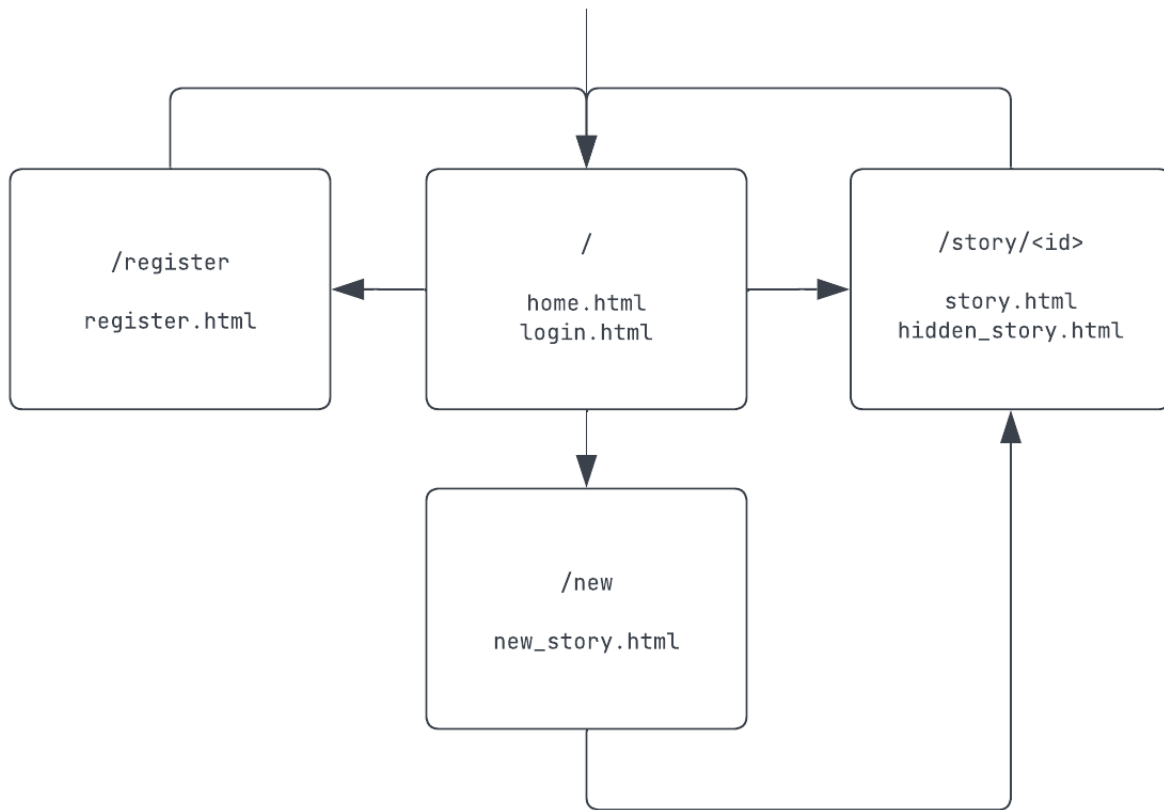
contributions

id INT	text TEXT	story_id INT	user_id INT
1	We were both young when I first saw you	1	1
2	I close my eyes and the flashback starts	1	2
3	Help me, it's like the walls are caving in	2	2

how the components fit together



sitemap/frontend flow:



to-do list

- ~~0. create directory properly~~
- ~~1. create html template files~~
 - ~~a. assigned to ryan~~
- ~~2. create flask server in app.py, define routes from sitemap, connect routes to template~~
 - ~~a. assigned to hui & ryan~~
 - ~~b. test to see if flask server and html pages work~~
- ~~3. create SQL queries from sqlite3 shell to populate db~~
 - ~~a. assigned to jonathan & hui~~
- ~~4. create functions based on SQL queries in auth.py and stories.py~~
 - ~~a. assigned to jonathan~~
 - ~~b. test to see if db saves the data properly~~
- ~~5. test all features of the site~~
- ~~6. (optional) add css~~