

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

softdev

p00: stories

2022-10-27

time spent: 2 hrs

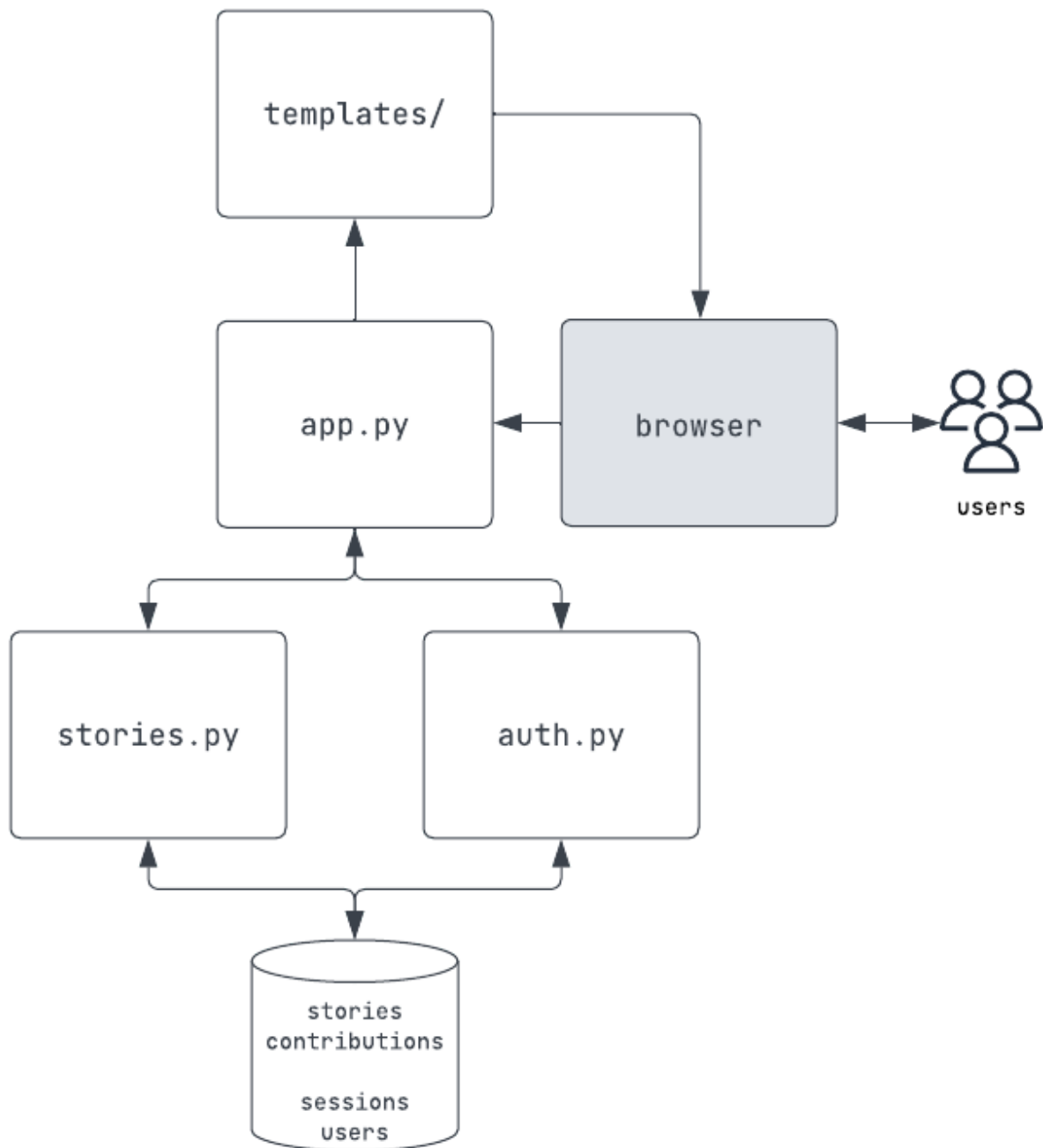
target ship date: 2022-11-09

### program components

- app.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**
- stories.py: functions that perform SQL queries on **stories** and **contributions** table in **db**
  - get all stories
  - get specific story
  - get last contribution of specific story

- `auth.py`: functions that perform SQL queries on **users** table in **db**
  - checks if user has contributed to story
    - returns True or False; if True, Flask server renders `story.html`; if False, Flask server renders `hidden_story.html`

how the components fit together



2022-11-08: session table is no longer needed

## database structure

### users

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

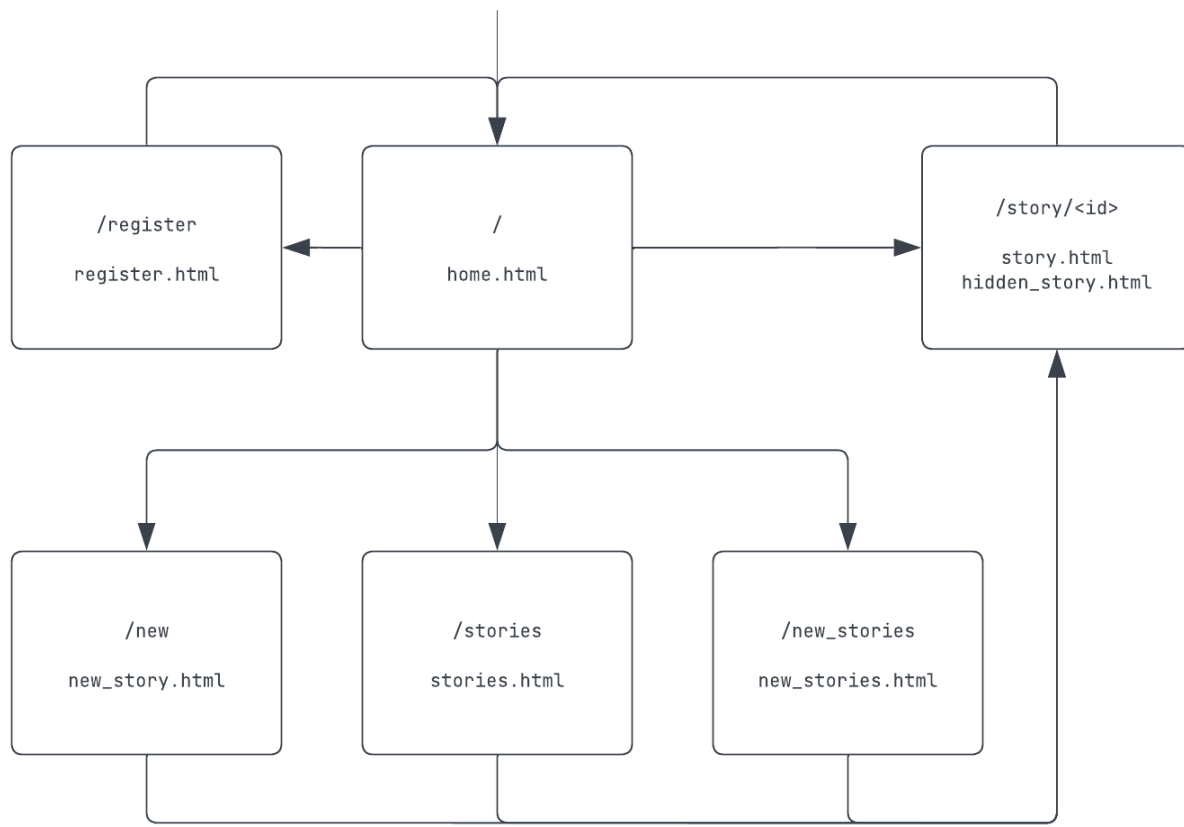
### stories

id INT	title TEXT
1	Love Story
2	In My Blood

### contributions

id INT	text TEXT	timestamp INT	story_id INT	user_id INT
1	We were both young when I first saw you	1666666666	1	1
2	I close my eyes and the flashback starts	1667439528	1	2
3	Help me, it's like the walls are caving in	1667439554	2	2

### sitemap/frontend flow:



2022-11-08: /stories and /new\_stories share the same template (stories.html)

### to-do list (tasks)

- ~~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