

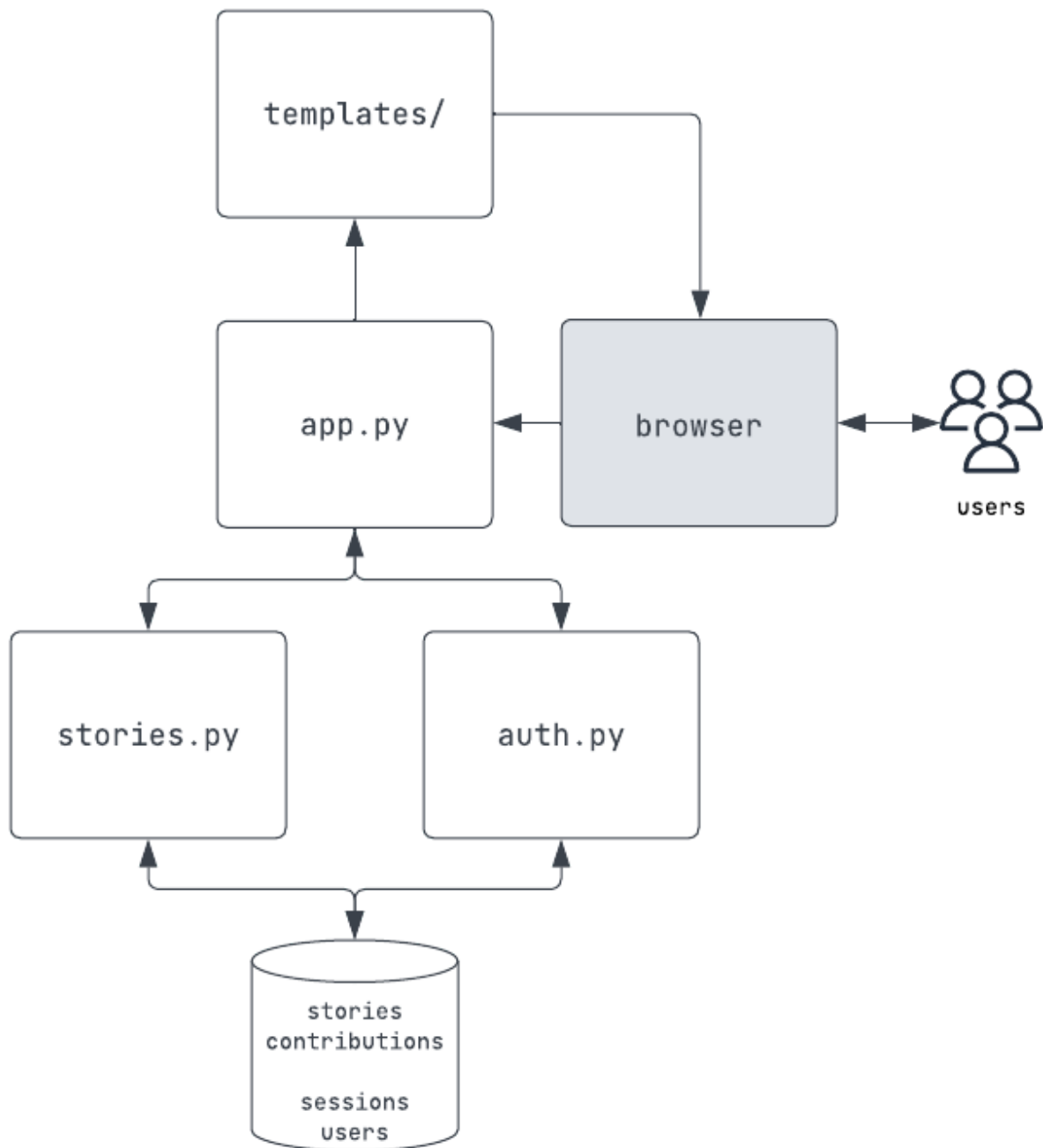
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softdev
p00: stories
2022-10-27
time spent: 2 hrs
target ship date: 2022-11-09

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 that have been contributed to by user
 - new_stories.html
 - list of stories that have not been contributed to by user
 - 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** and **sessions** table in **db**
 - `login`
 - checks if login details valid, creates session and returns session
 - if login details invalid, return None?
 - `logout`
 - deletes session entry from session table
 - `check session`
 - returns True or False; prompts the user to re login if the session is invalid
 - `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



database structure

users

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

sessions

id TEXT	user_id INT
oHxrFFGXvH	1
rkkujioONc	1
LihxkvmxHL	2

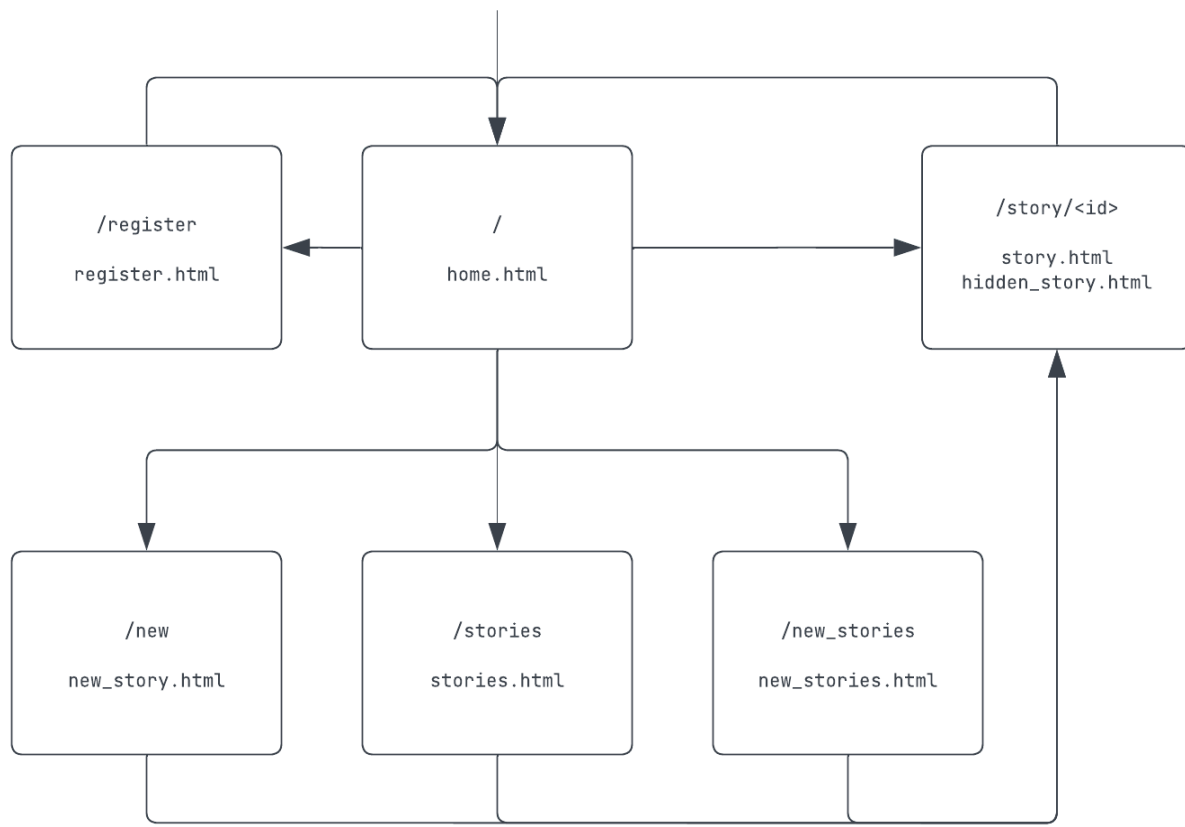
stories

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:



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