COUCH PILLOWS
DESIGN DOCUMENTATION
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COMPONENTS

Back end
- "stories.py"
- "storiesDB.py"

  Python program for interacting with database

Front end (UI)
- "base.html"
  - A general web page that has jinja2 blocks for other html pages to use as a template
- "login.html"
  - A login page for storytellers
  - Includes link to sign up and redirects to index after logging in
  - Users are redirected here if they try to access a page that requires log in
  - Redirects to home if the user is already logged in
- "sign_up.html"
  - A signup page for storytellers, users have to create accounts to be able to use the site.
- "home.html"
  - Home page: contains introductory information, and one of two possible things:
    - If logged in:
      - 2 buttons: CREATE, CONTRIBUTE
      - list of old stories
      - search bar
    - If not logged in 2 buttons: LOG IN, SIGN UP, as well as a description of website
- "all_stories.html"
  - Displays all stories user can contribute to
- "story.html"
  - Displays a selected old story
  - References
- "create.html"
  - Displays form requesting user to input *title*, *text*
- "contribute.html"
  - Displays last story update and form for *text* to update the story
- "acc.html"
  - Displays user info and allows for edits to password
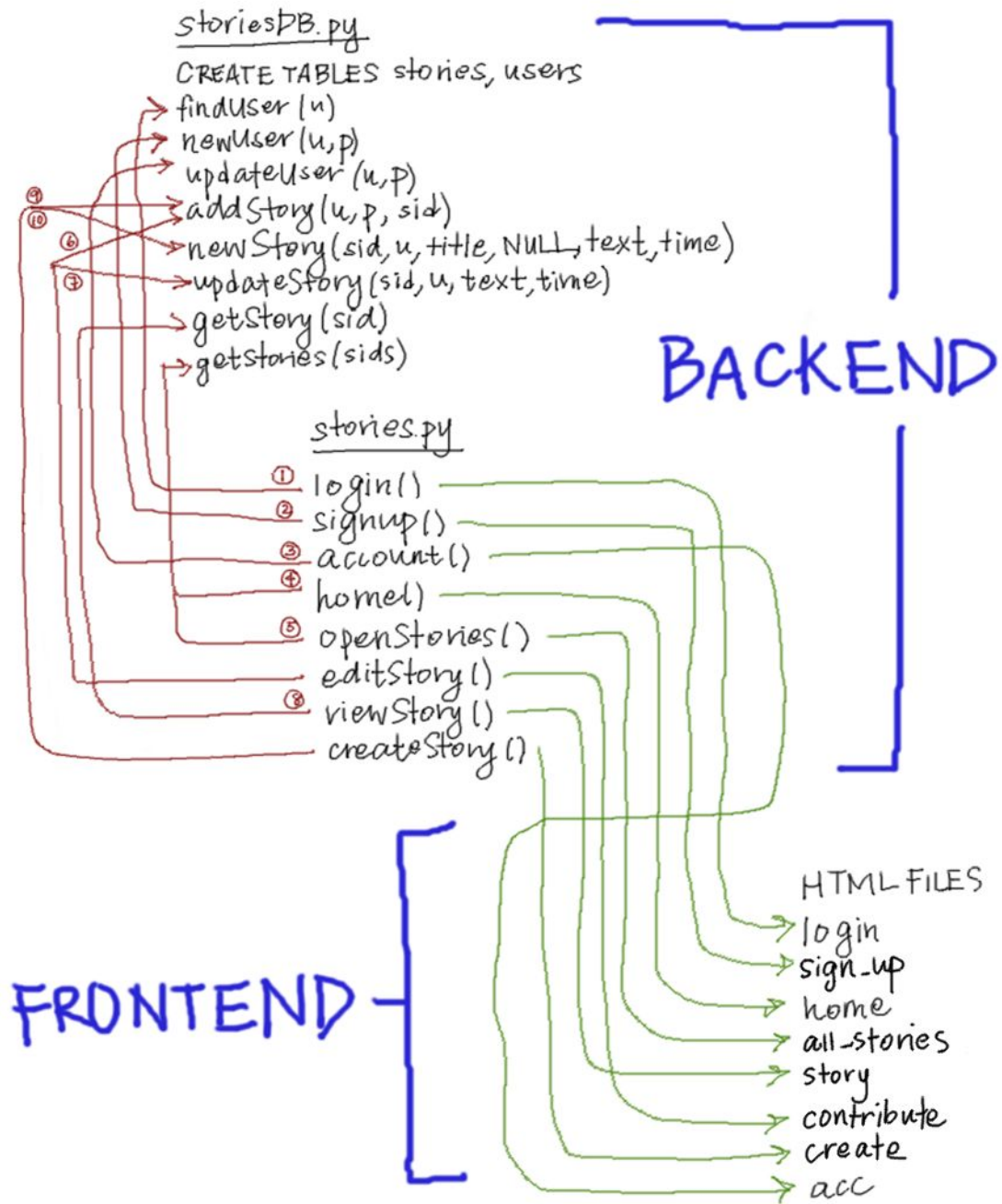 - Button for logging out

DATABASE SCHEMA

.stories

story_ID INTEGER PRIMARY KEY	contributors	title TEXT NOT NULL	archive TEXT NOT NULL	last_update TEXT	time_stamp
3231	[j.doe]	Generic Fairytale	"Once upon a time"		1999-12-31 11:59 PM
4353	[Kevin, luckycharms123]	The Story that Never Ends	"This is the story that never ends"	"Yes, it goes on and on my friend"	2017-10-22 10:03 AM
8972	[Kevin]	Adventure of the Dead Monkey	"Wow. the monkey died oh no"		2017-10-20 5:30 PM

.users

userID INTEGER PRIMARY KEY	username UNIQUE	password TEXT NOT NULL	stories
0	Kevin	trampolines	[4353, 8972]
1	luckycharms123	12345	[4353]
2	j.doe	chickens	[3231]

COMPONENT MAP

storiesDB.py
CREATE TABLES stories, users
findUser(u)
newUser(u,p)
updateUser(u,p)
addStory(u,p,sid)
newStory(sid,u,title,NULL,text,time)
updateStory(sid,u,text,time)
getStory(sid)
getStories(sids)

BACKEND

stories.py
① login()
② signup()
③ account()
④ home()
⑤ openStories()
editStory()
⑧ viewStory()
createStory()

FRONTEND

HTML FILES
login
sign-up
home
all-stories
story
contribute
create
acc

SITE MAP

story.py → HTML

- login() → login
- signup() → sign_up
- account() → acc
- home() → home
- openstories() → all_stories
- editStory() → contribute
- viewStory() → story
- createStory() → create
- logout()
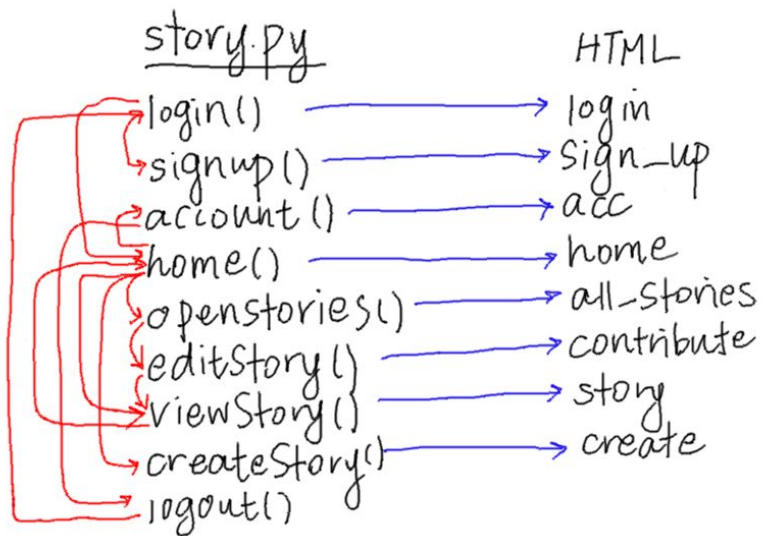
ASSIGNMENT DISTRIBUTION

Assignment	Assigned to
Creating the databases for users and stories and implementing interactions with the DBs	Andrew
Building the front-end HTML and templates	Kristin
Account system (login, register, profile, logout), implementing HTML forms	Kevin
Functions for viewing, searching for, creating, and adding to stories, displaying list of stories	Fabiha