COUCH PILLOWS
DESIGN DOCUMENTATION
ANDREW WONG, FABIHA AHMED, KEVIN LI, KRISTIN LIN

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
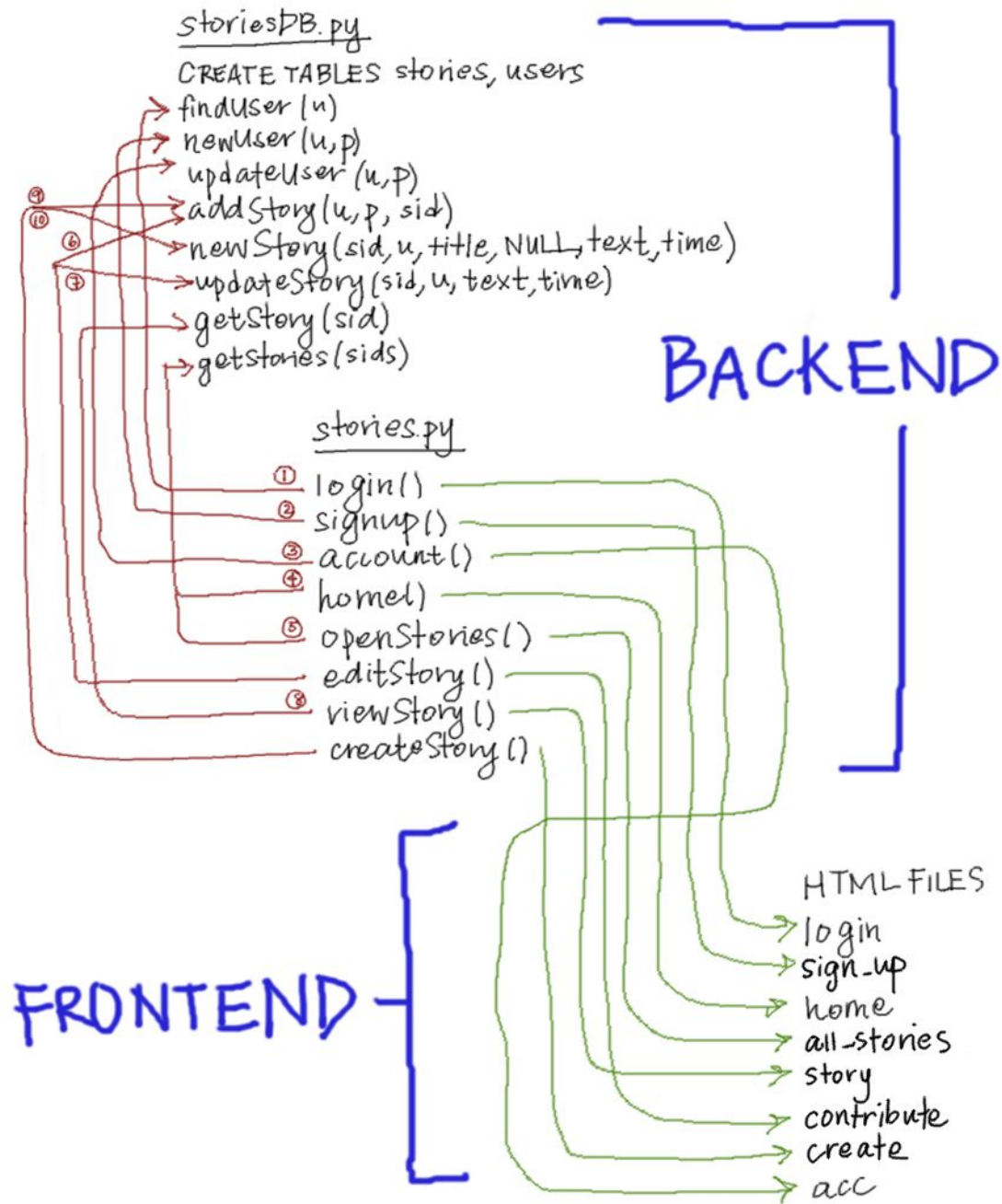
DATABASE SCHEMA

.stories

story_ID INTEGER PRIMARY KEY	contributors	title TEXT NOT NULL	archive TEXT	last_update TEXT NOT NULL	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"	"He slipped on a banana peel."	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]

* password will be encrypted.

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)

stories.py

① login ()

② signup ()

③ account ()

④ home ()

⑤ openStories ()

editStory ()

⑧ viewStory ()

createStory ()

BACKEND

FRONTEND

HTML FILES

login

sign-up

home

all-stories

story

contribute

create

acc

SITE MAP

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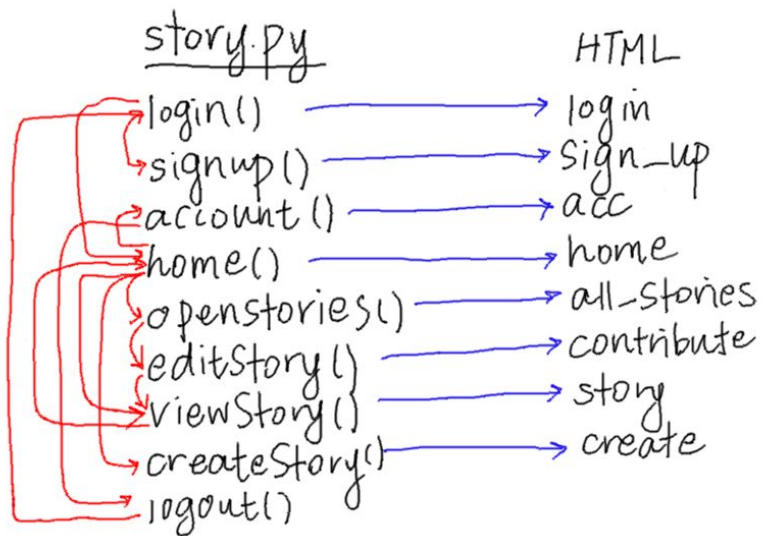
ASSIGNMENT DISTRIBUTION

Assignment	Assigned to
Creating the databases for users and stories and implementing interactions with the DBs	Andrew - PROJECT MANAGER
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