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Team WXYZ (Tina Wong, Raymond Wu, Jerry Ye, Ivan Zhang)
SoftDev pd7
P00 -- Da Art of Storytellin'
T 2018-10-16
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Scenario One: Collaborative storytelling game/website

Project Description:
Your team has been contracted to create a **collaborative storytelling game/website**.
- Users will have to register to use the site.
- Logged-in users can either start a new story or add to an existing story.
- When adding to a story,
  - Users are shown only the latest update to the story, not the whole thing.
  - A user can then add some amount of text to the story.
- Once a user has added to a story, they cannot add to it again.
- When creating a new story,
  - Users get to start with any amount of text and give the story a title.
  - Logged in users will be able to read any story they have contributed to on their homepage (the landing page after login).

Project Manager: Ivan Zhang

List of Program Components:
- Create SQLite database which stores the data about:
  - Each user and their login information
  - Each story
  - Each contribution/addition to a story followed by the user who made it and story to which they made it to
- Landing page
  - Allows logged-in users to read any story they have contributed and to create new story
  - If user is not logged-in: provides links to the login page and the sign up page
- Authentication allows only logged-in users to start a new story, view stories, or add to an existing story
- Account creation through a signup form on the website allows users to directly create their accounts on the site
- Logout capability
- Allow users to create a new story
- Allow users to edit an existing story, but are only shown the latest update
- Allow users to view the full edit history of a story they contributed to
- Page templating to layout how stories and login forms will be shown to the user
- Link pages together to allow users to easily move through the site
- Non-core features
  - Making the website aesthetic to make the site user-friendly
  - Tiered level of access accounts (hierarchy) to allow different users to have different levels of control of the site
  - Provide the search functionality
  - Rating stories

Component map/Explanation visualizing relationships between components:
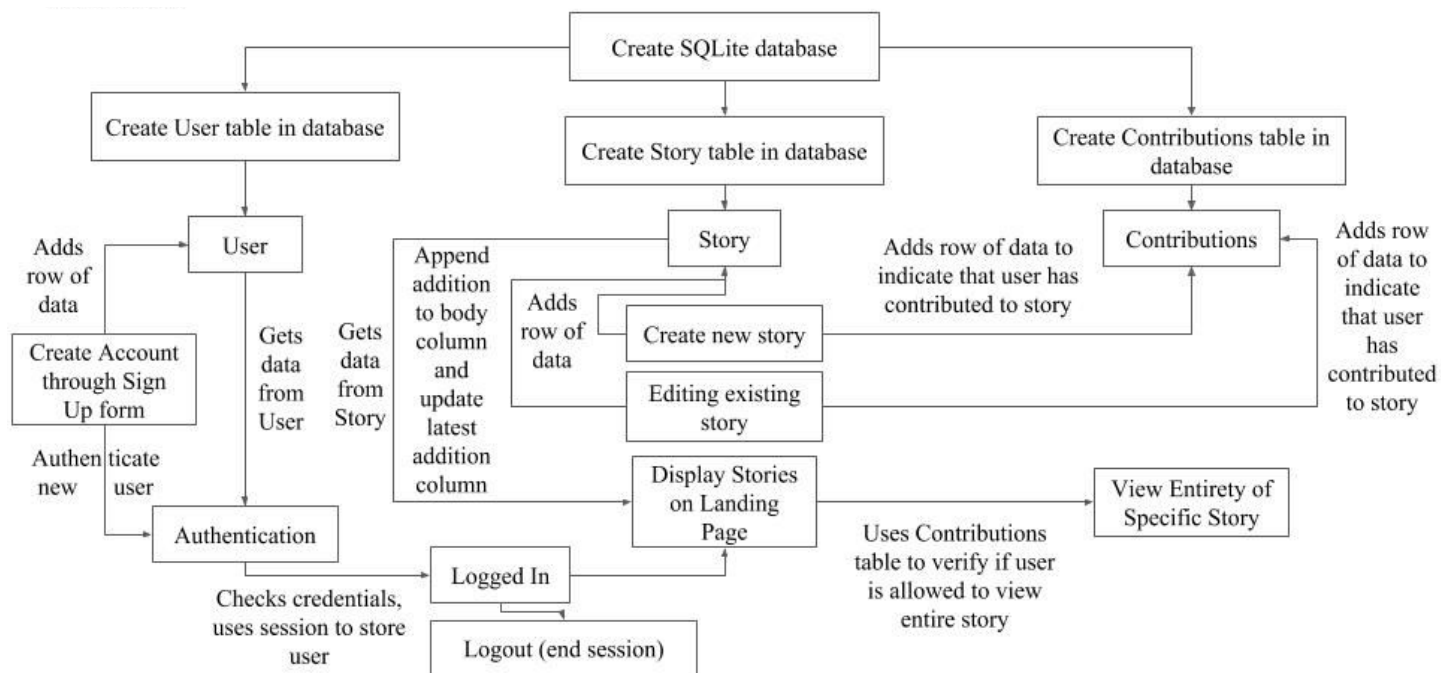
Database Schema:

users

id *	username	password
INTEGER	STRING	STRING
unique null	unique null	null

stories

id *	title	body	latest_addition
INTEGER	STRING	STRING	STRING
unique null	null	null	null

contributions

id *	user_id	story_id
INTEGER	INTEGER	INTEGER
unique null	null	null

Front End Site Map:
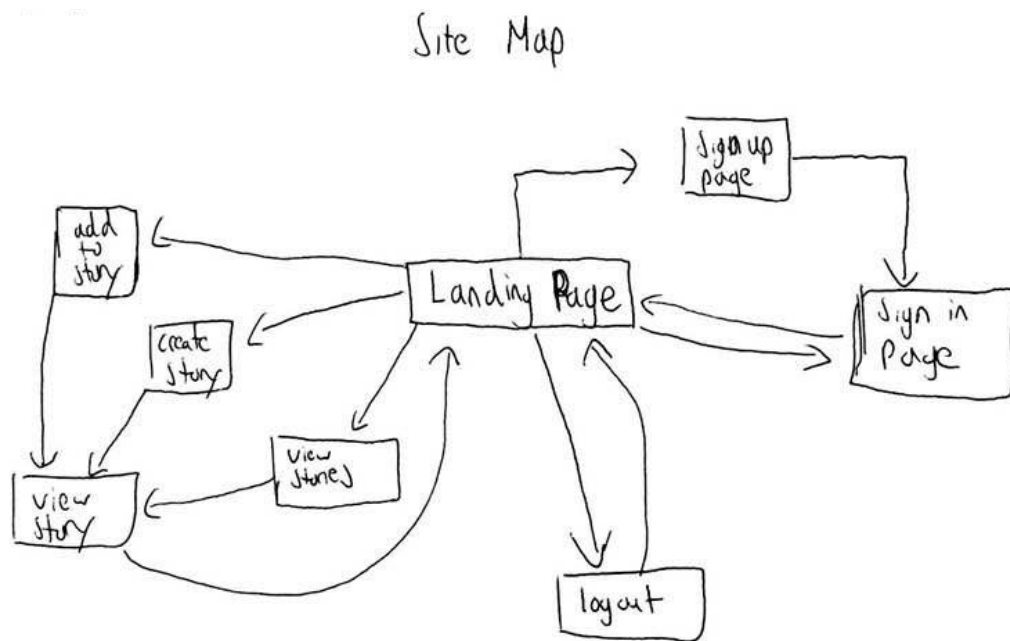
Breakdown of Tasks and Group Member Assignments, ordered in priority:
1. Create a GitHub repo (Ivan)
2. Start with Flask Starter Kit (Ivan)
3. Basic Landing page (Raymond) —
     to be continuously updated as new features are added
4. Database for users (Jerry)
5. Account creation on the website, Sign Up Form and Page (Jerry)
6. Account login and authentication, Sign In Form and Page (Tina)
7. Database for stories (Ivan)
8. Create new stories ***login required*** (Tina)
9. Page templating for stories (Jerry)
10. View existing stories that the user has contributed to (Tina)
11. Database for contributions (Raymond)
12. Add to stories ***login required*** (Raymond)
13. Search functionality for stories (Raymond)
14. Make site aesthetically pleasing (Everyone)
15. Tiered Access Levels (Jerry)
16. Rating stories (Tina)
17. Summary Document (Ivan)

Tasks being done concurrently:
1. Maintaining devlog (Everyone)
2. Revising Design Doc (Ivan)
3. Entries in devlog addressing mid-development modifications (Ivan)