CSE 115A - SafeHouse - Sprint #1 Plan - End: Tuesday, October 22, 2024

Goal: Build a landing page with reusable components (skeleton container) to hold data from our database.

User Stories:
- **{High priority} User story 1:** As a user, I want to see listings from multiple rent websites on one application to simplify the housing search process [10]
  - **Task 1:** Build backend that gets listings from multiple APIs and adds it to a database (6 hours)
    - **Subtask 1:** RentCast API (6) – George, Lola, Derrick
    - **Subtask 2:** Web scraping (6)
  - **Task 2:** Design and code a listings page that shows the listings to the user (6 hours) Matthew, Nij
- **User story 2:** As a renter, I want to have my own curated feed of listings that is geared toward my preferences [12]
  - **Task 1:** Collect attributes from each listing and categorize them – Type of housing, price, address, source (6 hours)
    - Lola, JiaCheng, Derrick,
  - **Task 2**: Show user listings based on their preferences (6 hours)
    - **Subtask 1:** Code frontend asking for user preferences within the categories from task 2 (3 hours) - Matthew
    - **Subtask 2:** Implement an algorithm that only displays specific listings to end users (3 hours)
      - Lola
  - **Subtask 3:** Design and code a filter bar so that user can select their preferences (then this gets sent to backend to filter) (3 hours)
- **User Story 3:** As a renter, I want search functionality so I can find specific listings [11]
  - **Task 1:** Design and code the search bar ui (2 hours)
    - Nij
  - **Task 2:** Be able to filter data from our database and send it back to the client (6 hours)
    - Lola
    - Derrick
    - George

- **User Story 3:** As a user, I want to be reminded of when new listings come up so that I can apply for new listings as soon as they become available

- ○ **Task 1:** Build a service that refreshes the listings after user-specified days (4 hours)
    - ■ **Subtask 1:** What else does this require on the frontend/backend?

Team roles: Give a listing of all team members. Next to the team member, list their role(s) for this sprint. Assign each person to at least one role (for example, this role might be "Developer").
- Matthew: product owner, frontend developer
- Lola: scrum master, backend developer
- Nij: frontend developer
- Derrick: backend developer
- George: backend developer
- Jiacheng: backend developer

Initial task assignment: A listing of each team member, with their first user story and task assignment. This should look like:
- **Matthew**: User story 2: Design and code listings page
- **Lola**: User story 1, Task 1: RentCast API route and create tables
- **Nij**: User story3, Task 1: Design and code search bar UI
- **Derrick**: User story 1: RentCast API create API route
- **George**: User story 1: RentCast API create API route
- **Jia Cheng**: User story 2: Craigslist API webscraping

Scrum times: List at least the three days and times during the week when your team will meet and conduct Scrum meetings. Also, indicate which of these meetings will have the TA/tutor visit as arranged with the TA/tutor. It is expected the TA/tutor will visit during the Scrum meeting during your lab time.

MWF 10:45 - 11:00
TTh 9:30 - 9:45

* Note that if the team ended up modifying its release plan during sprint planning, submit an updated release plan document also with the sprint plan.

Course schedule:
https://docs.google.com/spreadsheets/d/1tALF6T4tVty61LB2_bUevVXfPU1okRWp/edit?gid=1474281816#gid=1474281816