references:

1) 2021 Olympics in Tokyo | Kaggle
2) GitHub - dhhruv/Chrome-Dino-Runner: 🐱‍🐉 A Replica of the hidden Dinosaur Game from Chrome Browser Offline mode build using Python and PyGame.

You should create a project proposal with the following information:

1. Describe what data is stored in the database. (Where is the data from, what attributes and information would be stored?)
    - This dataset is all about the 2021 Tokyo Olympics. It contains the details for over 11,000 athletes, over 47 disciplines, spanning 743 teams. This dataset contains the details of the athletes, coaches, and teams participating as well as the entries by gender. It contains their names, countries represented, discipline, gender of competitors, name of the coaches. This dataset stores a combination of strings, integers, boolean values, and real numbers.

2. What are the basic functions of your web application? (What can users of this website do? Which simple and complex features are there?)
    - Our web application will offer a way for users of the site to navigate and access the 2021 Tokyo Olympics data. Users will be able to filter by gender, country, discipline, and athlete in order to see a list of the desired result. We will also have a search function that will allow users to look for specifics about an athlete, country, etc.
    - Users will be able to sign in to the web application and “favorite” athletes they are looking to follow, which will be tracked in a separate area of the site. Finally, we will be able to have a graphic component that can show charts, performance metrics and other statistical categories so that the user can see a visual representation of the data.

3. What would be a good creative component (function) that can improve the functionality of your application? (What is something cool that you want to include? How are you planning to achieve it?)
    - We will include a mini olympics hurdle game section where users can play a 2d platformer/jumping game. It will also have a leaderboard section to display the highscores based on sign-in. We plan on building on top of dhhruv’s interpretation of the chrome offline dino runner by adding our own graphics and images and also building our own running and jumping logic to mimic the hurdle event in the Olympics. Our game will be built in python using the pygame library to render keystrokes and timing.

4. Project Title
    - TokyoOlympics

5. Project Summary: It should be a 1-2 paragraph description of what your project is. [gist of the project where you explain about it in layman terms.]
    - This project serves as a way for users to able to access information about the 2021 Tokyo Olympics easily. Users of our web application will be able to quickly filter through 2021 Tokyo Olympics data and will be able to easily find the information they are looking for. They can also view visual comparisons and graphs of relevant data. For example, the user will be able to see a bar graph of gold medals won by each country, sorted in descending order. Finally, they will be able to participate in our site-wide hurdle competition by playing the game feature we will implement.

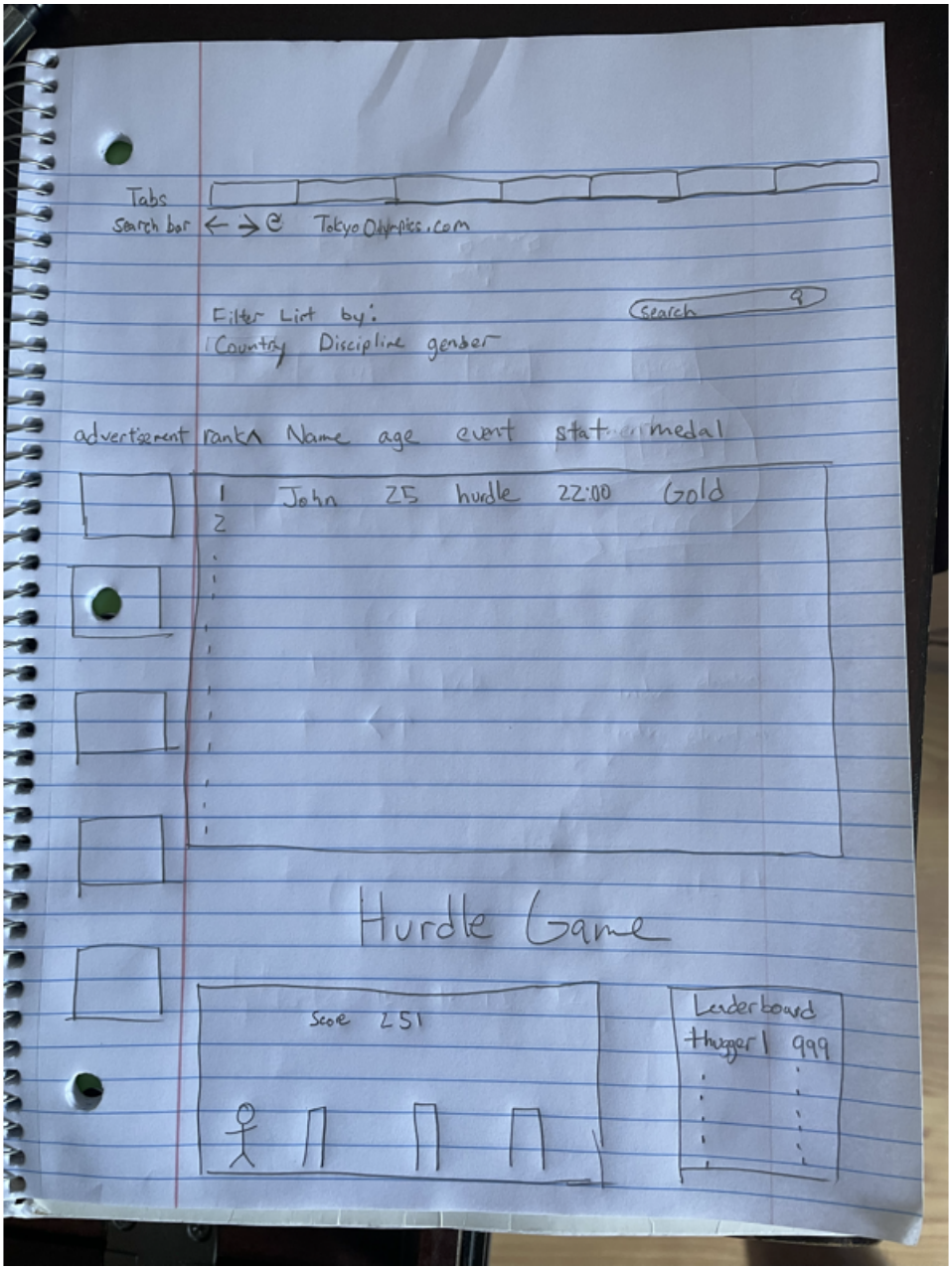
6. Description of an application of your choice. State as clearly as possible what you want to do. What problem do you want to solve, etc.? [description of the project would include technicalities like the function of the project: whether it is a web application or a mobile application or stand alone application and so on and so forth.]
    - Our application will be a web application that solves the issue regarding the vastness of Olympic data. We plan to develop an interface that sorts, synthesizes, and contextualizes several databases of information about athletes to the user's preferences in order to make watching and understanding the Olympics more accessible and enjoyable. We will use python to construct our front end, and SQL to create and maintain our databases. With mathplotlib, we will be able to generate graphs based off of the filters our user uses. Using pygame, we will implement a game feature that allows users to compete with one another in the hurdles event of olympic track and field.

7. Usefulness. Explain as clearly as possible why your chosen application is useful. Make sure to answer the following questions: Are there any similar websites/applications out there? If so, what are they, and how is yours different?
    - https://www.nbcolympics.com/athletes
    - https://olympics.com/en/olympic-games/tokyo-2020
    - These applications serve as the main access point for information related to the Olympics. However, they can be difficult to navigate and filter if a user is looking for specific information. Our application would make it so the user has more control in what they want to see. Additionally, it would serve as a better visual tool for the user.

8. Realness. Describe what your data is and where you will get it.
    - The data has been
    - The data contains the details for over 11,000 athletes, over 47 disciplines, spanning 743 teams. This dataset contains the details of the athletes, coaches, and teams participating as well as the entries by gender. It contains their names, countries represented, discipline, gender of competitors, name of the coaches.

9. Description of the functionality that your website offers. This is where you talk about what the website delivers. Talk about how a user would interact with the application (i.e. things that one could create, delete, update, or search for). Read the requirements for stages 4 and 5 to see what other functionalities you want to provide to the users. You should include:
    - Create: favorite athletes list, favorite countries list, graphs of relevant data
    - Update: favorite athletes list, favorite countries list, graphs of relevant data
    - Delete: entries of athletes, graphs they no longer need
    - Search: athletes based on several different criteria, medals earned by country, medals earned by coach

10. A low fidelity UI mockup: What do you imagine your final application's interface might look like? A PowerPoint slide or a pencil sketch on a piece of paper works!



11. Project work distribution: Who would be responsible for each of the tasks or subtasks? List of the person responsible for which exact functionalities in section 6. Explain how backend systems will be distributed across members. Be as specific as possible as this could be part of the final peer evaluation metrics.

- Bobby: Bring in backend data and create relational tables that will be able to query through the data
- Stephanie: Front-end application development, data cleaning from found database, database design
- Akhil: adapt game aspect under the table section and store results into the leaderboard section

- Paul: Front-end application development, bring backend data to the front end and work on the display of it