**Quest Scraper User Guide**

This guide will help you use the **quest\_scraper\_mac.py** script to scrape exam links and question IDs.

**Pre-requisites**

* Python 3.6 or above installed on your machine.
* Google Chrome installed (this script specifically uses Chrome for web scraping).
* Ensure that you have the CSV file that contains the quest links.

**Instructions**

1. **Install necessary Python libraries**: Open a terminal window and navigate to the directory where **quest\_scraper\_mac.py** is located. There should be a file named **requirements.txt** in the same directory. This file lists the Python libraries that the script needs. Run the command **pip3 install -r requirements.txt** to install these libraries.
2. **Open the quest\_scraper\_mac.py script**: You can do this in any text editor, or in an integrated development environment (IDE) like PyCharm or Visual Studio Code.
3. **Specify the CSV file**: Inside the script, you will find a line that looks like this: **quest\_links\_path = r"/Users/cbp847/Documents/GitHub/Quest-Exam-Scraper/phy1\_quest\_links.csv"**. Replace the path inside the quotation marks with the correct path to your CSV file that contains the quest links. For example, if your file is located in your home directory and is named **my\_quest\_links.csv**, the line should look like this: **quest\_links\_path = r"/Users/myusername/my\_quest\_links.csv"**.
4. **Run the script**: Save your changes and close the text editor. In your terminal window, run the script using the command **python3 quest\_scraper\_mac.py**.
5. **Manual login**: The script will open a Chrome window and navigate to the first URL in your CSV file. You have 30 seconds to manually log in to the webpage. Please ensure that you're ready to enter your login credentials as soon as the page loads.
6. **Wait for the script to complete**: The script will start to scrape the web pages. It will print the name of each instructor it's processing, and the question IDs it's retrieving. After each instructor is processed, the script will save the data it's collected so far to a CSV file named **phy1\_final\_m3.csv**. You can change the filename of the output in the code accordingly.
7. **Check the output**: When the script finishes running, you will find a file named **phy1\_final\_m3.csv** in the same directory as **quest\_scraper\_mac.py**. This file contains the scraped data.

**Troubleshooting**

This script for scraping Quest Exam IDs has some issues. First, Quest will time out if the script is run on too many instructors. When I ran it, I split the dataset into three parts and ran it three times.

Quest is also not perfect in loading the Quest Exam content. This means that there will be missing values.

If you encounter any errors while running the script, ensure that you've followed all the steps correctly. If you're still having trouble, you may need to consult with someone who has more experience with Python or web scraping.