Redbus Data Scraping and Filtering with Streamlit Application

The 'Redbus Data Scraping and Filtering with Streamlit Application' aims to revolutionize the transportation industry by providing a comprehensive solution for collecting, analyzing, and visualizing bus travel data. By utilizing Selenium for web scraping, this project automates the extraction of detailed information from Redbus, including bus routes, schedules, prices, and seat availability.

**Domain**

\* TRANSPORTATION

**SKILL-TAKEAWAY**

\* Python scripting, Selenium, Data Collection, Data Management using SQL, Streamlit

**TECHNOLOGY USED**

\* Python 3.9.I

\* MySQL 8.0

\* Streamlit

\* Selenium

**Retrieve the Bus Information:**

      Selenium is a powerful tool for automating web browsers, which is especially useful for web scraping tasks.You can use Selenium to automate the process of searching for buses and extracting the relevant information. This involves interacting with web elements like input fields and buttons, waiting for the page to load, and extracting the desired details from the search results.

**Web app - streamlit:**

    With the help of Streamlit, you can create an interactive application similar to RedBus by designing a user-friendly interface that allows users to search for bus routes, view available buses