

## WEEKLY REPORT

### **Work done in last week (Attach supporting Documents):**

1. Started solving the tasks provided by the company in collaboration with PW Skills.
2. Daily reporting to the manager regarding the progress made in the Data Science Bootcamp.
3. Submitted the Web Scrapping Mini Project
4. Explained the web scrapping project to the team leader.
5. Started the Data pre-processing phase for the project.
6. Attended the daily team meetings.
7. Held meeting with my manager to understand the new mini-project assigned.
8. Conducted meeting with the client and to provide the project updates and tentative timeline.

### **Reason for incomplete work:**

NA

**Plans for next week:**

1. To attend the daily and weekly team meetings.
2. To complete the daily practice tasks provided by the team leader.
3. To Report the team leader on daily basis and discussing the progress.
4. To submit the mini-project and to pitch the project
5. Complete the data pre-processing phase
6. Assist the CRM team with the customer query
7. Submit the data pre-processing report
8. Submit the PW report to the manager.
9. Meeting with the manager for further portfolios and update.

## **WEB-SCRAPPING MINI-PROJECT:**

### **Why Web-Scrapping?**

Web scraping is essential in the data collection phase because it allows you to extract large amounts of data from websites quickly and efficiently. Many websites provide valuable data that may not be available through traditional data sources or APIs, and web scraping makes it possible to extract this data for analysis.

Here are some reasons why web scraping is important for data collection:

- **Access to large amounts of data:** Web scraping allows you to collect vast amounts of data from multiple sources quickly. This can be particularly useful when you need to gather data from a large number of websites or when the data is scattered across multiple pages.
- **Automated data collection:** Web scraping tools can automate the data collection process, making it faster, more efficient, and less error-prone than manual data entry.
- **Real-time data:** Web scraping can provide you with real-time data, which is particularly useful for monitoring and analyzing trends or events that are constantly changing.
- **Competitive analysis:** Web scraping can help you to collect data on your competitors, such as pricing, product descriptions, and customer reviews. This can give you valuable insights into the market and help you to make informed decisions about your business.

- **Research and analysis:** Web scraping can provide you with data for research and analysis in various fields such as marketing, social media, sentiment analysis, and more.

In summary, web scraping is an essential tool for data collection because it allows you to gather large amounts of data quickly and efficiently, automate the data collection process, access real-time data, conduct competitive analysis, and perform research and analysis in various fields.

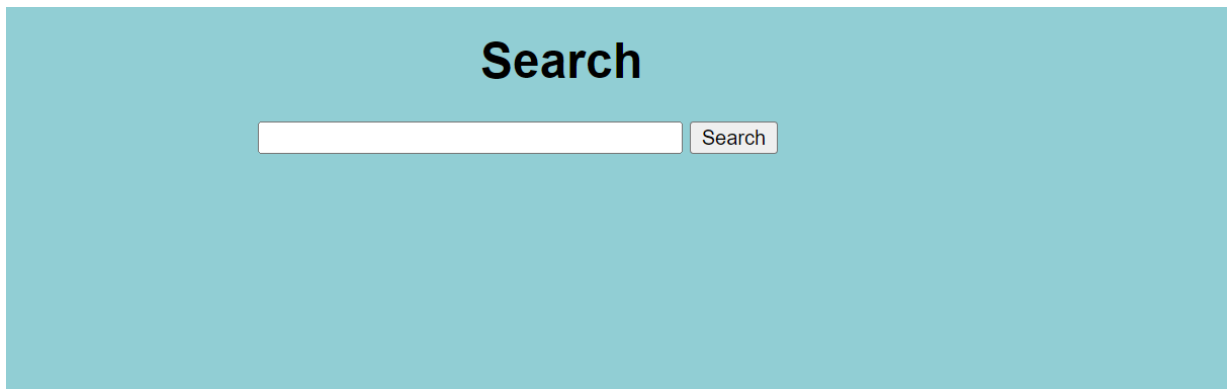
### **Working of the project:**

We will be doing web scrapping from Flipkart.com. The working is simple. The user will enter the product name, the scrapper will extract the reviews from the website and will display the reviews.

Note: The web-scrapping is intended for the corporate use, hence, UI is not a priority.

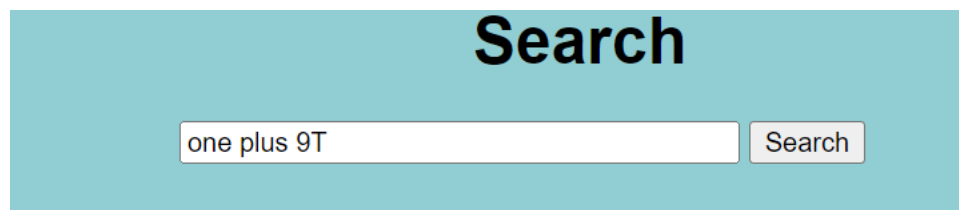
Also, I am not responsible for the UI development, that is the job of my team mate dealing with the web development.

## Screen-Shots:



A screenshot of a web page with a light blue background. At the top center, the word "Search" is written in a large, bold, black font. Below it, there is a white rectangular input field. To the right of the input field is a small, light blue button with the word "Search" in black text.

Main Search Page



A screenshot of the same search page as above, but with the input field filled with the text "one plus 9T". The "Search" button remains to the right.

Searching for the product



A screenshot of a table titled "REVIEWS" in a dark teal header. The table has six columns: Product, Name, Rating, Comment Heading, mycomment, and Comments. It contains two rows of data for the "oneplus9T" product.

REVIEWS					
Product	Name	Rating	Comment Heading	mycomment	Comments
oneplus9T	Ashutosh Kashyap	5	Must buy!	Just now I received my phoneDesign & build quality is good according to price rangeCamera overall goodDisplay & performance is also good for normal usage (less heavy uses)Features are also very smooth It's my first day of usage so I'll edit my review after useThank you.	Just now I received my phoneDesign & build quality is good according to price rangeCamera overall goodDisplay & performance is also good for normal usage (less heavy uses)Features are also very smooth It's my first day of usage so I'll edit my review after useThank you.
				A Midrange phone from OnePlus.Why I choose this phone is only because of the Brand value.We have more other options like Vivo T1 ,Realme 9,9pro , Oppo ,Motorola.But the OnePlus has their own premium feel The reason	A Midrange phone from OnePlus.Why I choose this phone is only because of the Brand value.We have more other options like Vivo T1 ,Realme 9,9pro , Oppo ,Motorola.But the OnePlus has their own premium feel The

Result of Scrapping

Reporting No: Prof. Dipak Ramoliya  
From: 20 / 03 / 2023 To: 24 / 03 / 2023

Week No:14

Project ID: PRJ2022DCS096

Project Title: Data Science & Management-Collab-Team-003,001

## **References:**

1. <https://learn.pwskills.com/>
2. <https://www.w3schools.com/datascience/>
3. <https://www.geeksforgeeks.org/data-science-tutorial/>
4. <https://www.kaggle.com/>
5. <https://colab.research.google.com/>



**Signature of External Guide**

**Signature of Internal Guide**

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