WEB SCRAPING ON FURNITURE PRODUCTS

STUDENT INFORMATION

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ABOUT THE PROJECT

- This project is based on **web scraping**
- Web scraping means collecting data from websites
- Furniture product details are collected
- Data is collected automatically
- Python is used for implementation
- This project avoids manual data collection

WHAT IS WEB SCRAPING

- Web scraping is an automatic data collection process
- It extracts information from web pages
- Data is taken from HTML structure
- No manual copying is required
- Useful for large amounts of data
- Widely used in real-world applications

WHY THIS PROJECT

- Furniture websites contain huge data
- Product details change frequently
- Manual collection is slow
- Comparing prices manually is difficult
- Automation makes the process faster
- Web scraping provides accurate results

PROBLEM STATEMENT

- Furniture data is available on many websites
- Each website has different products and prices
- Manual data collection takes a lot of time
- Manual work may cause errors
- Data comparison becomes difficult
- An automated scraping solution is required

OBJECTIVE OF THE PROJECT

- To learn web scraping techniques
- To understand website structure
- To extract furniture product data automatically
- To reduce human effort
- To save time
- To improve data collection efficiency

TOOLS AND TECHNOLOGIES

- **Python** for writing the program
- **Requests library** to access web pages
- **BeautifulSoup** to parse HTML data
- **Jupyter Notebook** to run and test code
- Simple and beginner-friendly tools

OUTPUT

- Data is extracted successfully
- Output is shown in Jupyter Notebook
- Data is well organized
- Easy to read and understand
- Output proves correct implementation

LIMITATIONS

- Website structure may change anytime
- Scraping fails if HTML changes
- Some websites restrict scraping
- Requires stable internet connection
- Legal restrictions on some websites

CONCLUSION

- Web scraping is a powerful technique
- This project automates data collection
- It reduces manual effort
- Improves learning of Python
- Useful in real-world applications
- Helpful for students and businesses

THANK YOU