Web Scraping with Robotic Process Automation Using Automation Anywhere

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DEGREE(B.T), FIRST YEAR

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THEME : AUTOMATION AND ROBOTICS

Abstract:

Web data extraction is one of the major domains in which Robotic Process Automation(RPA) has a lot of potential in today's society. Social media data collecting is becoming increasingly crucial as organizations strive to better understand their customers and their attitudes. The problem is that most social media networks no longer aid you in automatically gathering data, and doing so manually could take a long time, need a huge number of people, and be prone to errors. Web scraping, often called web harvesting or web data extraction, is a sort of data scraping that collects data from websites. Using a fully web scraping solution based on Robotic Process Automation (RPA) could be a more easier and preferred approach to achieve this goal. This proposed work includes the extraction of stock details from the hot stocks website using RPA technology and stores the details in an excel for future analytics. It is implemented using the Automation Anywhere tool.

The web scraping steps involve:

1. Identifying URLs that are relevant.
2. Locating the data that is required for extraction.
3. The code must be written and run.
4. Keeping data in the correct format for future analytics

KEYWORD: Robotic Process Automation, Web scraping, Data extraction, Automation Anywhere, Data Analytics