Module 4: User Events, Recorder and Scraping

Case Study

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Historical Stock Price Data Extraction

An equity research firm needs to extract historical prices for a given list of companies to perform some analysis and arrive at some investment calls. Extracting data manually for hundreds of companies is a tedious job and often involves errors during extraction. Data needs to be in a structured format in excel files so that further analysis can be performed easily. Help the research firm by building an RPA automation that takes a list of stock symbols and returns data in excel file through an email.

Stock Symbols:
Build your own, like, "TSLA, MSFT, GOOG,…"

Financial Data Portal:
https://in.finance.yahoo.com/

Solution Hints:

Pass a list of symbols through a comma separated file or through an excel sheet. Extract individual symbols. Use the Yahoo Finance portal and search for the first symbol. Then click on the "Historical Data" link. Use the **Data Scraping** wizard for extracting the data. Save the data in an excel sheet. Repeat for rest of the symbols and save their data in different excel sheets. Send the excel file through an email. You may build the automation workflow using **Desktop Recorder** or using manual steps.