

# Automated Web Data Extraction and Storage System Using UiPath

## 1. Project Overview

- **Objective:** Automate the process of extracting table data from a web page and storing it in an Excel file.
- **Tools Used:** UiPath Studio.
- **Input Source:** Web page with table data.
- **Output:** Excel file containing the extracted data.

## 2. Opening the Browser

- **Activity:** Use Browser
- **Details:**
  - **Browser:** Chrome
  - **URL:** <https://acme-test.uipath.com/>
- **Purpose:** To access the webpage containing the table data.

## 3. Navigation to Specific Page

- **Activity:** Click
- **Configuration:**
  - **Element:** 'Work Items' button
  - **Click Type:** Single, Left Mouse Button
- **Purpose:** To navigate to the specific section of the website where the table is located.

## 4. Accessing the Table Data

- **Activity:** Use Application/Browser
- **Details:**
  - **Browser:** Chrome

- **URL:** <https://acme-test.uipath.com/work-items>
- **Purpose:** To open the specific page that contains the table data.

## 5. Extracting Data from the Table

- **Activity:** Extract Table Data
- **Configuration:**
  - **Output:** DataTable variable (e.g., ExtractDataTable)
- **Purpose:** To extract the entire table data and store it in a DataTable variable.

## 6. Setting Up Excel File

- **Activity:** Excel Process Scope
- **Details:**
  - **File Path:** Path to the Excel file (e.g., "Extracted\_Data.xlsx").
- **Purpose:** To establish the scope for Excel operations ensuring the actions are contained within this scope.

## 7. Opening/Create Excel File

- **Activity:** Use Excel File
- **Configuration:**
  - **File Path:** "Extracted\_Data.xlsx"
  - **Options:** Save changes, Create if not exists
- **Purpose:** To open or create the Excel file where the data will be stored.

## 8. Writing Data to Excel

- **Activity:** Write DataTable to Excel
- **Configuration:**
  - **Data:** ExtractDataTable
  - **Destination:** Sheet name (e.g., "Sheet1")
  - **Options:** Overwrite data, Exclude headers if necessary

- **Purpose:** To write the extracted table data into the specified Excel sheet.

## 9. Completion of Automation

- **Final Step:** Ensure all data is accurately extracted and stored in the Excel file, and confirm the file is saved with the changes.