Module 3: UI Automation and System Activities

Case Study

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Fetching Weather Details

There is a daily as well as on-demand need to extract weather details for a list of cities, for the next 7 days so that it could be shared with the employees who are on business trips during this period. The list of the cities with dates is provided in a comma separated file(csv). As the weather details for a given city, for a given date or time period, is required for different automation purposes, we need to create a specialized reusable automation process.

Build a reusable automation for this purpose. Store the forecast details in a text file. Weather forecast data to be provided are: Temperature in Centigrade or Fahrenheit, Precipitation %, Humidity % and Wind Speed in km/h as well as in mph.

Hints: Consider using Google Search. Search with "weather <CITY> <DATE>". Use list of cities format as "Delhi 25-Oct-2017, London 27-Oct-2017, London 28-Oct-2017, Chicago 27-Oct-2017, Istanbul 24-Oct-2017".

Set the input dates (provided in the excel sheet) between current date to 7 upcoming dates.