

Create A Project for searching people in RPA CHALLENGE web tool and writing to an excel.

**To achieve this, you will use the REFrameWork as the starting template and follow the UiPath development best practices.**

**Here are the steps performed by the Robot:**

1. Read **Search Name List.xlsx** that will be searched in RPA CHALLENGE.
2. Open Browser (<http://www.rpachallenge.com/>)
3. Built Data table with headers "Old Name,First Name,Last Name,Company Name,Role in Company,Address,Email,Phone Number, Result, Status"
4. Do below steps for each person one by one:
  - 4.1. Check "Name" field if it contains ",", that means Last Name, First Name. Search Name should be searched as First Name, Last Name separately. Moreover, they should be uppercase. For Example:
    - "Belger, Elsa" should be searched as "ELSA" "BELGER".
    - "Irem Karacakaya" should be searched as "IREM" "KARACAKAYA".
  - 4.2. Add "Name" field to "Old Name" field in the datatable
  - 4.3. Add parsed data to "First Name" and "Last Name" fields to show how you searched a person in RPA CHALLENGE.
  - 4.4. Before a search is done, the Role in Company also should be checked regarding person.
  - 4.5. There are four cases:
    - 4.5.1. If the role is "Scientist", then "Out of scope" should be written to "Result" field. Set as BusinessException (send an e-mail to ProcessOwner)
    - 4.5.2. If the company is "Aperture Inc.", then "Wrong company" should be written to "Result" field. Set as BusinessException (send an e-mail to ProcessOwner)
    - 4.5.3. If there are both 1<sup>st</sup> and 2<sup>nd</sup> cases belong to the searched name, then "Out of scope, Wrong Company" should be written to "Result" field. Set as BusinessException (send an e-mail to ProcessOwner)
    - 4.5.4. It should be written "Correct" "Result" field for the rest of the cases
5. After all names are searched. Sort datatable descending by "Phone Number " column
6. Copy data table to a new excel
7. Don't change anything in "Name\_List" sheet. Add new sheet with "Search\_Results" name. All information should be added this sheet in the same excel.
8. Close the Excel File.
9. Close the Browser.
10. Send this excel via an email (Outlook) to yourself (Please write something to e-mail body)

**Constraints to follow in the development, using the REFrameWork:**

1. Do not create any Queue structure in the Orchestrator
2. Do not use different solutions other than UiPath (like excel macro, python.. etc.)

3. TransactionItem datatype should be a DataRow. The process should recover and retry in case of errors in navigation between People. One transaction is the action of searching one person. By navigating to the next person, the next transaction will execute.
4. Create a separate workflow file for the Open to RPA CHALLENGE. File input arguments: URL ;
5. Create a separate workflow file for closing RPA CHALLENGE.
6. Add the RPA CHALLENGE\_URL , Search Name List.xlsx, Email\_To address.. etc. inputs to the Config file.
7. Populate InitAllApplications.xaml from the Framework folder with Invoking the Open RPA CHALLENGE and navigation to the Work Items.
8. Populate CloseAllApplications.xaml from the Framework folder with Invoking the Close RPA CHALLENGE.
9. Populate KillAllProcesses.xaml from the Framework folder with killing the process used.
10. Populate the Process.xaml file with the following actions: Searching People, Sorting and Appending to Excel. (defined in 4.1-4.5 steps)
11. Send Robot completed e-mail to Process owner.
12. If there is any error, robot should send screenshot of the screen and attach it to e-mail and send it to Process Owner. Moreover, it should be written "Fail" to Status" field in the excel.
13. If the the item was not failed (there is no system exception), it should be written "Successful" to "Status" field in the excel.
14. Do not miss adding all the necessary log messages into the project