

RPA Specialization

Course 3: UI Automation and Selectors

Practice Exercise-Anchors

Anchors

Build a workflow that fills the form on 'www.rpachallenge.com' website with the input data received from the user.

- Ask the user to provide their:
  - First Name
  - Last Name
  - Address
  - Company Name
  - Role in Company
  - Email
  - Phone Number
- Submit the user's data in the 'www.rpachallenge.com' form
- Display a message box confirming the submission of the data
- Use anchor-based selectors for this exercise

Process Overview

- START
- Use Input Dialog activities to receive input from the user
- Store each user input in a new variable
- Use an Open Browser activity to open the URL – 'www.rpachallenge.com'
- Use Anchor Base activities within the Open Browser activity to locate anchors for each input field of the 'www.rpachallenge.com' submission form
- Use Find Element activities in the Anchor Base activities to identify the input fields
- Use Type Into activities in the Anchor Base activities to input data from the variables
- Use a Click activity to submit the form
- Use a Message Box activity to confirm the form submission
- STOP

Step-by-Step Process

Step 1: Open the URL 'www.rpachallenge.com' in a browser.

Step 2: Open Studio.

Step 3: Create a new process and name it "Anchors". In its description, enter "A workflow that fills the value received from the user in a form on the RPA Challenge website."

Step 4: Drag a Sequence activity from the Activities panel and drop it in the Designer panel.

Step 5: Name the Sequence activity as "Sequence – RPA Challenge".

Step 6: Right-click on the Sequence – RPA Challenge activity container and select *Annotations* from the context menu.

Step 7: Add an annotation "A workflow that fills the form on 'rpachallenge.com' with the data obtained from the user."

Step 8: Insert seven Input Dialog activities one after another in the Sequence – RPA Challenge activity, and name them in this order:

- "Input Dialog – First Name"
- "Input Dialog – Last Name"
- "Input Dialog – Address"
- "Input Dialog – Company Name"
- "Input Dialog – Role in Company"
- "Input Dialog – Email"
- "Input Dialog – Phone Number".

Step 9: Annotate each of the Input Dialog activities as shown below:

Activity Name	**Annotation**
Input Dialog – First Name	Obtain the first name of the user.
Input Dialog – Last Name	Obtain the last name of the user.
Input Dialog – Address	Obtain the address of the user.
Input Dialog – Company Name	Obtain the company name of the user.
Input Dialog – Role in Company	Obtain role in the company of the user
Input Dialog – Email	Obtain the email of the user.
Input Dialog – Phone Number	Obtain the phone number of the user.

Step 10: In the text boxes of each of the input dialog activities, enter the values as shown below:

Activity Name	Dialog Title	Input Label	Input Type	Value entered
Input Dialog – First Name	"First Name"	"Please enter your First Name:"	Text Box	FirstName
Input Dialog – Last Name	"Last Name"	"Please enter your Last Name:"	Text Box	Last Name
Input Dialog – Address	"Address"	"Please enter your Address:"	Text Box	Address
Input Dialog – Company Name	"Company Name"	"Please enter your Company Name:"	Text Box	CompanyName
Input Dialog – Role in Company	"Role in Company"	"Please enter your Role in Company:"	Text Box	RoleInCompany
Input Dialog – Email	"Email"	"Please enter your Email:"	Text Box	Email
Input Dialog – Phone Number	"Phone Number"	"Please enter your Phone Number:"	Text Box	PhoneNumber

Note: The 'Value entered' column contains the variable names. Therefore, press Ctrl+K in the 'Value entered' textbox before typing the variable name.

Step 11: Insert an Open Browser activity and enter the URL - "www.rpachallenge.com". Rename the activity as "Open Browser – RPA Challenge". Annotate it as "Open rpachallenge.com."

Step 12: In the Properties panel of the Open Browser activity, select 'Edge' in the Browser Type dropdown.

Step 13: In the Do section of the Open Browser – RPA Challenge activity, insert seven Anchor Base activities one after another, and name them in this order:

- "Anchor Base – First Name"
- "Anchor Base – Last Name"
- "Anchor Base – Address"
- "Anchor Base – Company Name"
- "Anchor Base – Role in Company"
- "Anchor Base – Email"
- "Anchor Base – Phone Number".

Step 14: In the **Anchor** section of each of the Anchor Base activities, insert Find Element activities, and name and annotate them as shown below:

Activity Name	**Find Element Activity New Name**	**Find Element Activity Annotation**
Anchor Base – First Name	Find Element – First Name	Identify the first name field.
Anchor Base – Last Name	Find Element – Last Name	Identify the last name field.
Anchor Base – Address	Find Element – Address	Identify the address field.
Anchor Base – Company Name	Find Element – Company Name	Identify the company name field.
Anchor Base – Role in Company	Find Element – Role in Company	Identify the role in the company field.
Anchor Base – Email	Find Element – Email	Identify the email field.
Anchor Base – Phone Number	Find Element – Phone Number	Identify the phone number field.

Step 15: Insert a Type Into activity in the **Drop Action Activity Here** section of each of the Anchor Base activities, and name and annotate them as shown below:

Activity Name	**Type Into Activity New Name**	**Type Into Activity Annotation**
Anchor Base – First Name	Type Into – First Name	Insert the first name value in the first name field.
Anchor Base – Last Name	Type Into – Last Name	Insert the last name value in the last name field.
Anchor Base – Address	Type Into – Address	Insert the address value in the address field.
Anchor Base – Company Name	Type Into – Company Name	Insert the company name value in the company name field.
Anchor Base – Role in Company	Type Into – Role in Company	Insert the role in company value in the role in company field.
Anchor Base – Email	Type Into – Email	Insert the email value in the email field.
Anchor Base – Phone Number	Type Into – Phone Number	Insert the phone number value in the phone number field.

Step 16: Click the "Indicate element inside browser" link of each of the Find Element activities and indicate the respective input field labels from the RPAChallenge.com form field as shown below:

Activity Name	**Field label**
Find Element – First Name	First Name
Find Element – Last Name	Last Name
Find Element – Address	Address
Find Element – Company Name	Company Name
Find Element – Role in Company	Role in Company
Find Element – Email	Email
Find Element – Phone Number	Phone Number

Step 17: Click the "Indicate element inside browser" link of each of the Type Into activities and select the input fields of the respective labels as shown below:

Activity Name	Input Field
Type Into – First Name	First Name
Type Into – Last Name	Last Name
Type Into – Address	Address
Type Into – Company Name	Company Name
Type Into – Role in Company	Role in Company
Type Into – Email	Email
Type Into – Phone Number	Phone Number

Step 18: In the text area of each of the Type Into activities, enter respective variable names as shown below:

Activity Name	Variable Name
Type Into – First Name	FirstName
Type Into – Last Name	Last Name
Type Into – Address	Address
Type Into – Company Name	CompanyName
Type Into – Role in Company	RoleInCompany
Type Into – Email	Email
Type Into – Phone Number	PhoneNumber

Step 19: Insert a Click activity below the "Anchor Base – Phone Number" activity, name it as "Click - Submit" and add an annotation: "Clicks the Submit button to complete the form submission".

Step 20: Click the "Indicate element inside browser" link and select the Submit button of the form.

Step 21: Insert a Message Box activity below the "Open Browser - RPA Challenge" activity. Rename it as "Confirmation Message" and annotate it as "Display confirmation message."

Step 22: In the textbox of the Message Box-Confirmation Message activity, enter "Form submitted successfully."

Step 23: Save and Run the workflow.