Automated Web Form Submission Using UiPath and Excel Integration

1. Project Overview

- **Objective**: Automate the process of filling out a web form using data from an Excel file through a Robotic Process Automation (RPA) bot.
- **Tools Used**: UiPath Studio.
- **Input Source**: Excel file named "challenge.xlsx".

2. Setting Up Excel Process Scope

- **Activity**: `Excel Process Scope`
- **Purpose**: Initializes the scope for Excel automation, ensuring that the Excel application is correctly targeted.

3. Opening the Excel File

- **Activity**: `Use Excel File`
- **Configuration**:
    - **File Path**: Points to "challenge.xlsx".
    - **Options**: The bot is set to create the file if it does not exist and saves changes made during the process.

4. Iterating Through Excel Rows

- **Activity**: `For Each Excel Row`
- **Configuration**:
    - **Range**: Specifies the data range, typically the entire sheet.
    - **Has Headers**: Enabled to treat the first row as header row.

5. Navigating to the Web Form

- **Activity**: `Use Browser (Chrome)`

- **Details**: Opens the browser and navigates to
  https://rpachallenge.com/.

6. Automating Form Entries

- **Activities**:
  - **Type Into 'First Name'**: Types the first name from the Excel row into the form.
  - **Type Into 'Last Name'**: Enters the last name.
  - **Type Into 'Role in Company'**: Fills the role in the company field.
  - **Type Into 'Phone Number'**: Inputs the phone number.
  - **Type Into 'Email'**: Enters the email address.
  - **Type Into 'Address'**: Types the physical address.
  - **Type Into 'Company Name'**: Fills the company name field.
- **Each 'Type Into' Activity Configuration**:
  - **Empty Field Before Typing**: Enabled to clear any pre-existing text.
  - **Click Before Typing**: Enabled to ensure the field is active.
  - **Single Line Entry**: Configured for fields that require single-line input.
  - **Verification**: Each activity includes a check to ensure the correct text has been entered.

7. Submitting the Form

- **Activity**: `Click`
- **Details**: Clicks the 'Submit' button to send the form data.

8. Loop Completion

- **End of Loop**: The bot cycles back to process the next row in the Excel file until all entries are completed.

9. Conclusion of Automation

- **Final Step**: Ensure all forms are filled and submissions are verified, with logs documenting the process and outcomes.

This revised report clearly outlines the steps and specific UiPath activities used in your form-filling RPA project.