

RPA Assignment Objectives

Robotic process automation (or RPA) is a form of business process automation technology based on metaphorical software robots (bots) or on artificial intelligence (AI)/digital workers. It is sometimes referred to as software robotics.

In traditional workflow automation tools, a software developer produces a list of actions to automate a task and interface to the back-end system using internal application programming interfaces (APIs) or dedicated scripting language. In contrast, RPA systems develop the action list by watching the user perform that task in the application's graphical user interface (GUI), and then perform the automation by repeating those tasks directly in the GUI. This can lower the barrier to use of automation in products that might not otherwise feature APIs for this purpose.

RPA tools have strong technical similarities to graphical user interface testing tools. These tools also automate interactions with the GUI, and often do so by repeating a set of demonstration actions performed by a user. RPA tools differ from such systems in that they allow data to be handled in and between multiple applications, for instance, receiving email containing an invoice, extracting the data, and then typing that into a bookkeeping system.

Please list 5 potential projects for RPA related to accounting, financial or business valuation processes.

Create a compilation report automatically (as much as possible).

Features of the RPA include:

- Automatically fill in the year end closing
- Automatically fill in the director name
- Automatically fill in the shareholder name
- Grab data from Excel and automatically email to the accountant after modification (please see attached example of excel file)

Or any other methods (replacements) to automatically prepare the compilation report.

Alternatively, you can automate any accounting, financial or business valuation processes.

Example : Reconcile AP with Statement of Accounts

You project could include function like:

1. Word packages
2. Excel packages
3. If then....
4. For loop
5. Email
6. Web

Please submit XAML file and any other data file (if have).