UTM
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TEST 2

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QUESTION 1

(a) Robotic process automation (RPA) is extremely significant for the process management of industrial and manufacturing organisations since it increases the rate of production while simultaneously saving time and improving the quality of the final product. Key characteristics of RPA include the no programming code required as the use of RPA does not necessarily require any programming skills on your part. The users only need to be trained on how robotic process automation (RPA) works, which is typically a simple process to learn. This gives it a competitive advantage over more traditional methods of automating processes. Next, Programs imitating human interaction with applications where it is managed like any other team in the organisation and can interact with people like any other employee. RPA can acts as virtual workforce controlled by business operations when virtual workers (robots) complete business processes, just as a person would, but in less time, with greater accuracy and at a fraction of the cost.

(b) The steps that I should follow to implement Robotic Process Automation include:

1. List down the processes to automate. It needs to consider how automating these processes will benefit future business operations or the overall automation journey.
2. Perform feasibility assessment. Perform a feasibility analysis on each process to see how much it can be automated. This is a two-step process, where process evaluation and technical feasibility are carried out.
3. Readjust. In this stage, try to reoptimize and restructure the process.
4. Gather User stories. User story need to be gather and from there, create an RPA workflow definition document for the development team using this data.
5. Start development process. The development stage begins based on the RPA processes developed. Using RPA tools like UiPath and Blue Prism, developers generate automated scripts and code.
6. Test RPA process.

7. Reconfirm and deploy. Tests and defects should be rectified by the development teams before deploying the whole RPA solution.