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EXPERIMENT - 6

Aim:- Design and implement a script for automating a repetitive task, with the objective of enhancing operational efficiency, reducing manual workload, and minimizing the potential for human errors in task execution.

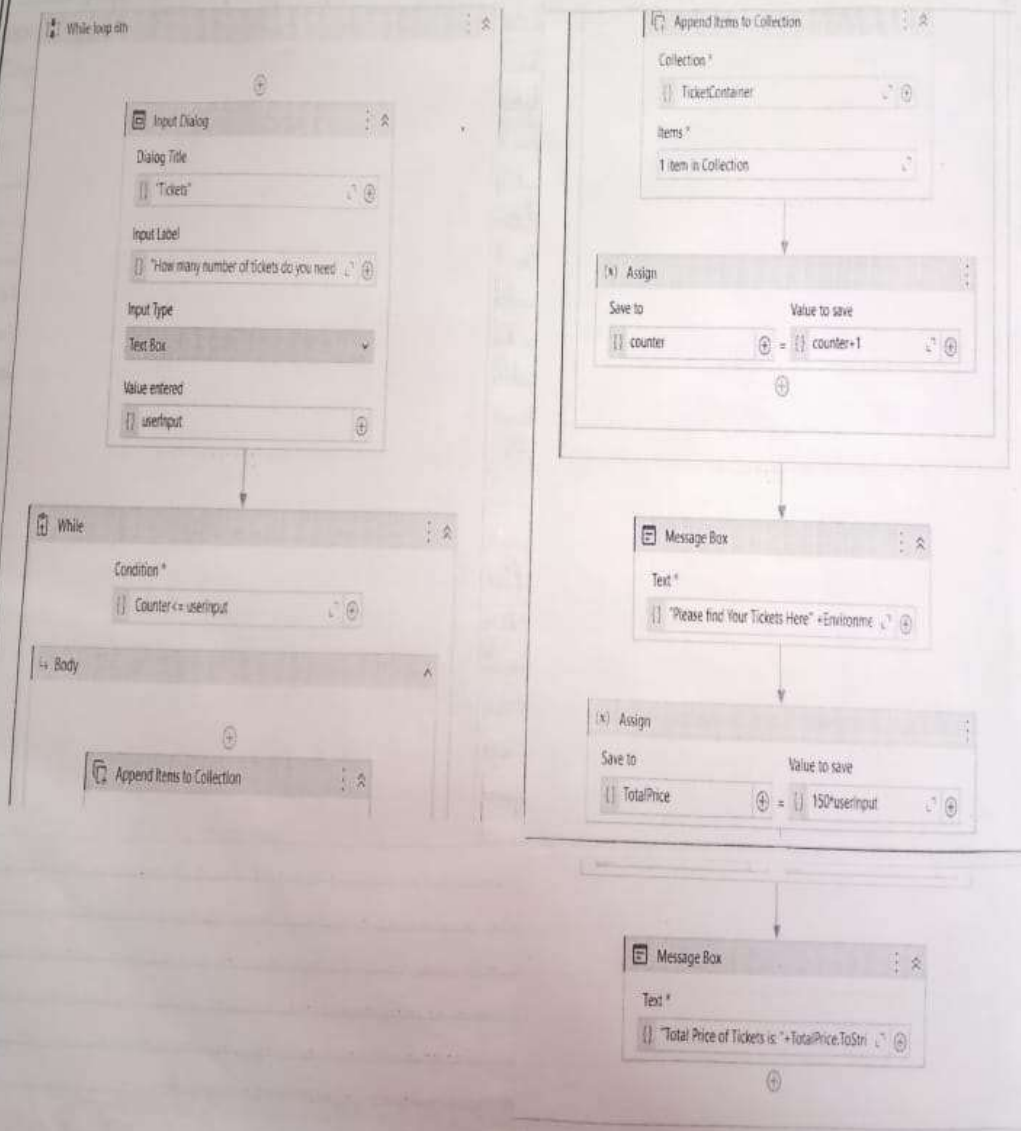
Software Required :- Any RPA Tool (UiPath, Blue Prism, Automation Anywhere).

Relevance of the Experiment :- The experiment to design and implement a script for automating a repetitive task holds significant relevance in the realm of enhancing operational efficiency and reducing manual workload. By automating repetitive tasks, the experiment aims to streamline processes, allowing organizations to allocate human resources to more strategic and value-added activities. The relevance extends to minimizing the potential for human errors in task execution, as automation brings consistency and precision to routine operations. This hands-on experience equips individuals with practical skills in scripting and automation tools, fostering a proactive approach to improving operational workflows.

Description :- The practical task of designing and implementing a script for automating a repetitive task is aimed at leveraging the capabilities of RPA to enhance operational efficiency and mitigate the risk of human errors in task execution. The primary objective is to create an automated solution that not only replicates the steps of a repetitive process but also streamlines operations, reduces manual workload and

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ensure accuracy.

1. Task Definition:- First step involves a detailed understanding of the repetitive task selected for automation. This includes breaking down the task into its individual steps, identifying dependencies, & recognizing any variations that may occur during execution.
2. Selection of RPA Tools:- Choosing the appropriate RPA tool and scripting languages is a critical decision in this practical.
3. Script Development:- With a clear understanding of the task & the chosen tools, the script development phase commences. This involves translating the manual steps of the task into a script that the RPA tool can execute.
4. Operational Efficiency:- The script is optimized for operational efficiency, focusing on minimizing resource utilization, reducing execution time & maximizing throughput.
5. Error Handling Mechanisms:- To minimize the potential for human errors in task execution, the script includes comprehensive error-handling mechanisms.
6. Reducing Manual Workload:- Automation is designed to relieve human operations of repetitive & mundane tasks. The script should automate these tasks seamlessly, freeing up human resources to focus on more strategic & value-added activities.
7. Testing & Validation:- A robust testing phase is crucial to validate the effectiveness of the automated script. This includes unit

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Tickets

How many number of tickets do you need (Price per Ticket: 150)

4

Ok

Message Box

Please find Your Tickets Here

TKT011
TKT012
TKT013
TKT014

OK

Message Box

Total Price of Tickets is: 600

OK

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<p>testing, integration testing, and scenario testing to ensure that the script performs as intended in various conditions.</p>	
<p>8. <u>Documentation</u>:- Comprehensive documentation accompanies the automated script. This documentation serves as a guide for users, providing insights into the functionality, usage & troubleshooting of the script.</p>	
<p>9. <u>Implementation and Deployment</u>:- Once the script is developed, tested and well-documented, it is ready for implementation and deployment. The automated sol: is integrated into the operational workflow & necessary stakeholders are trained on its usage.</p>	
<p><u>Learning Outcome</u>:-</p>	
<p>(i) Gain proficiency in utilizing looping constructs such as While, for Each to iterate over data or perform repetitive tasks in UiPath.</p>	
<p>(ii) Develop the ability to design & implement automation workflows that incorporate loops, improving efficiency & reducing manual effort in task execution.</p>	
<p>(iii) Learn to troubleshoot loop-related issues, refine loop conditions, and optimize loop execution for better performance & reliability in UiPath automation projects.</p>	
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SCREENSHOTS:

