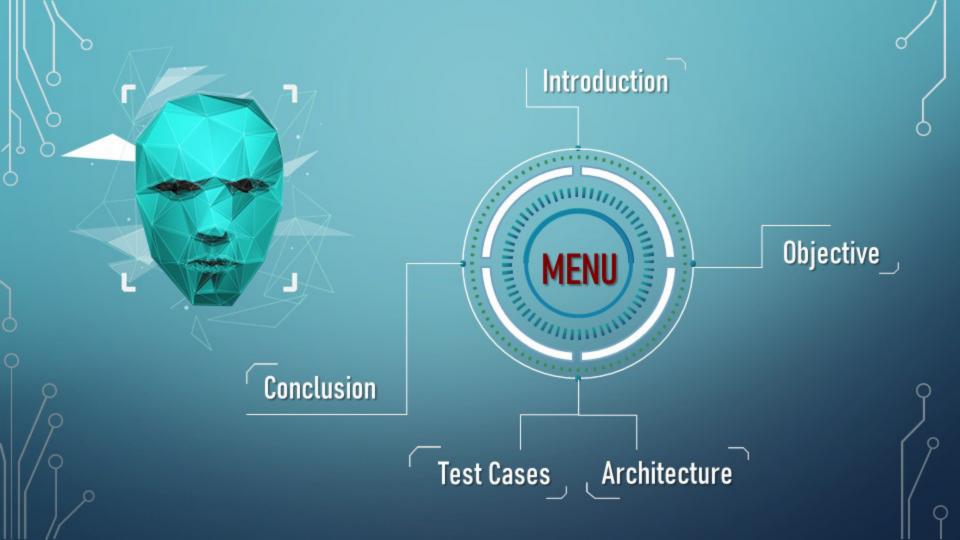
THE COMBINATION OF ROBOTIC PROCESS AUTOMATION (RPA) AND CHATBOT FOR BUSINESS APPLICATIONS

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1. Problem







2. What is RPA?

RPA - Robotic Process Automation - A technology application that allows users to automate cumbersome, complex, and resource-consuming processes by defining those with existing rules into instruction sets.













1. Challenge

a - The interaction between users and RPA requires a certain technology skill





1. Challenge

b - RPA capabilities and applicability can be heavily dependent on open platforms that were used in setting





1. Challenge

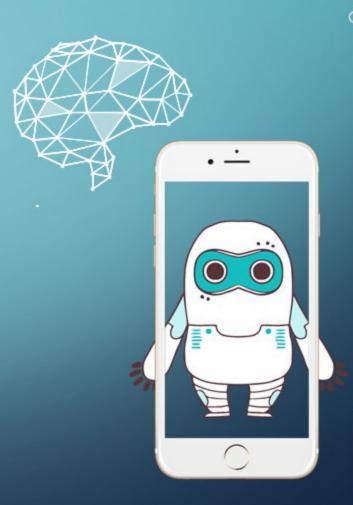
c - The efficiency of an automation system that integrated cognitive capabilities can be affected by the accuracy of the Al model





2. Contribution

Propose a system that integrates chatbot, RPA, and Al technologies



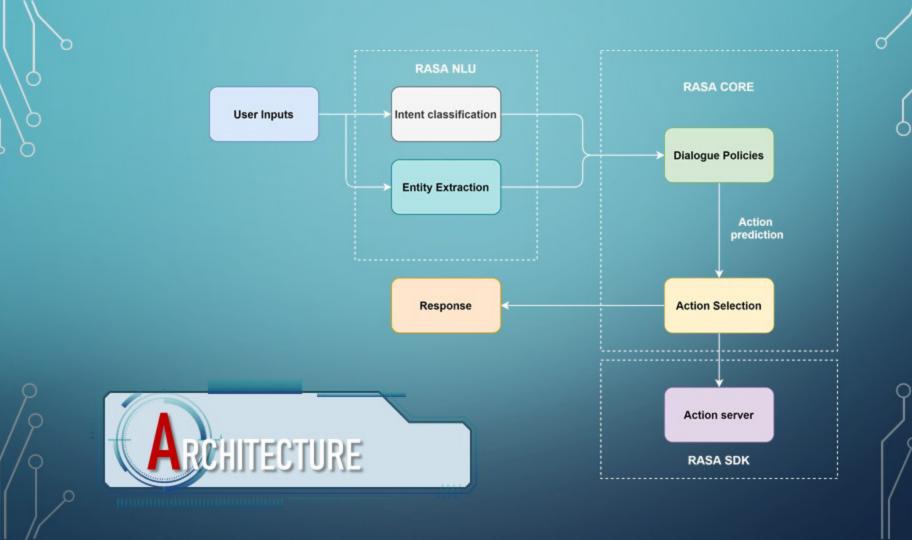


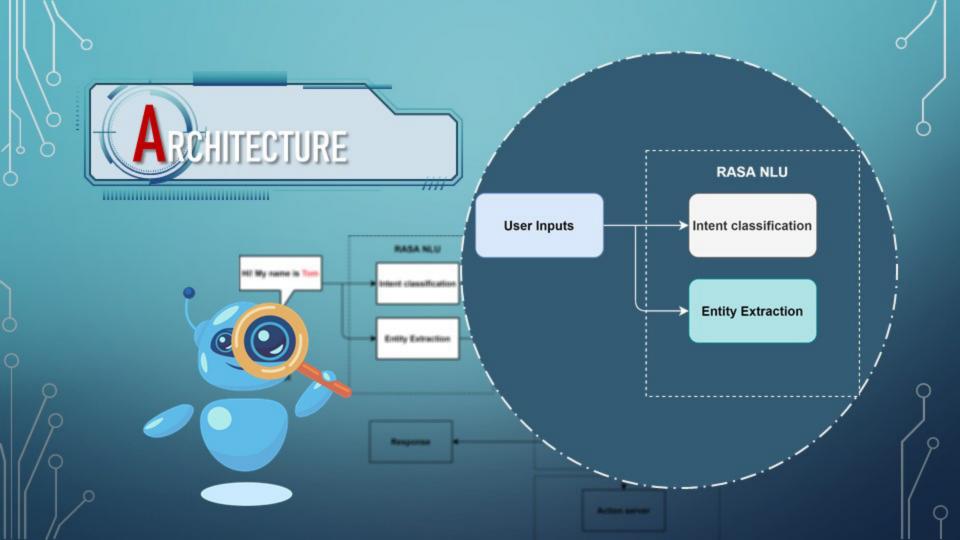
2. Contribution

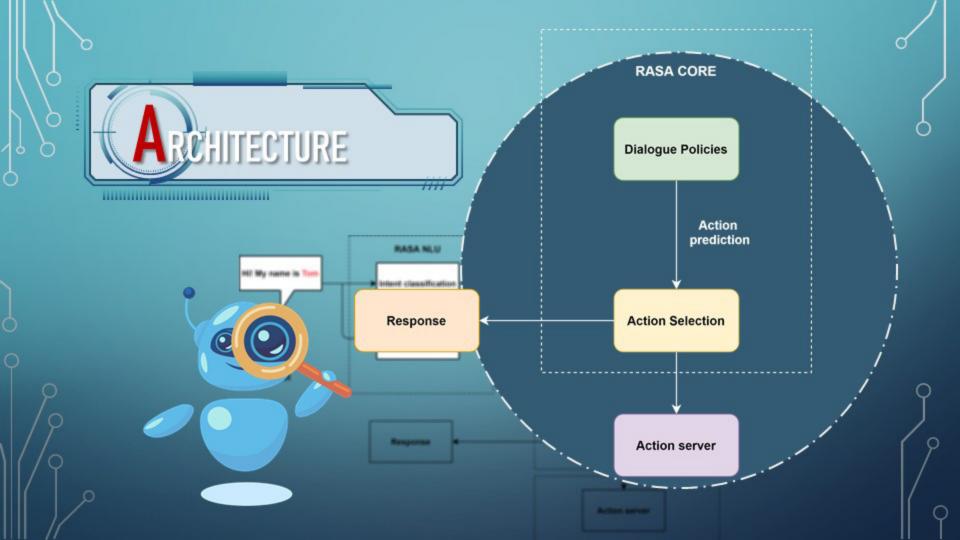
The system was developed using open platforms in order to minimize setup costs and effort.



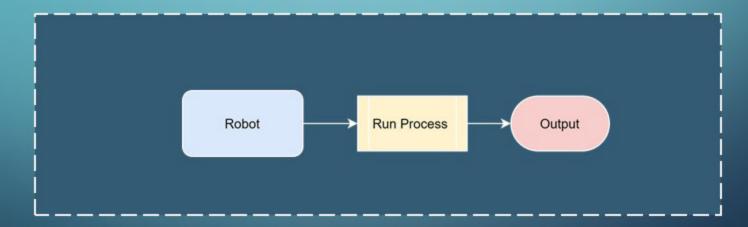






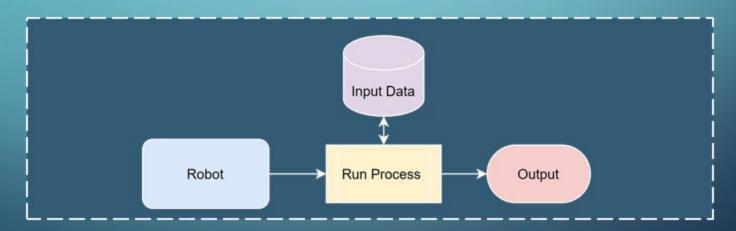






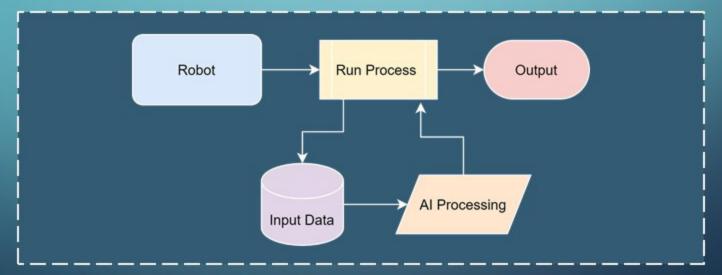
A simple robot application architecture



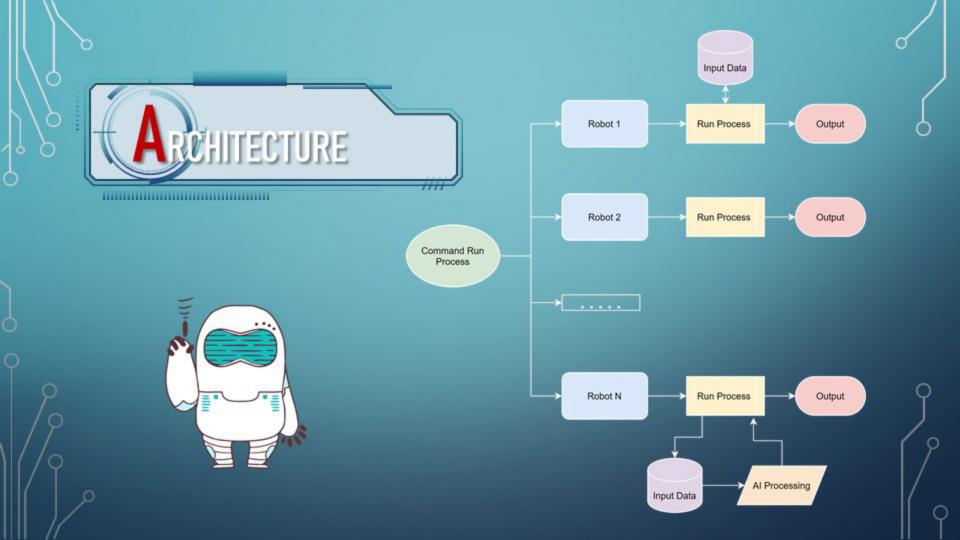


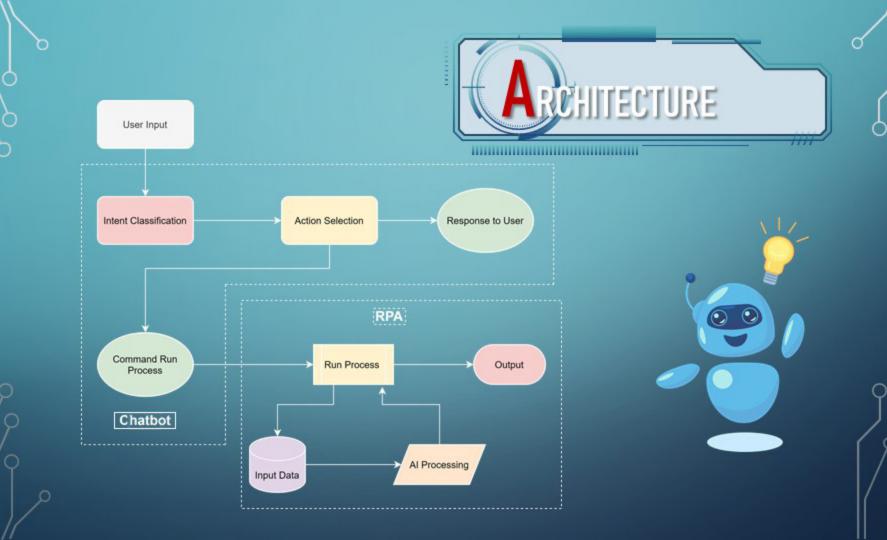
Robot application architecture with requirements of input



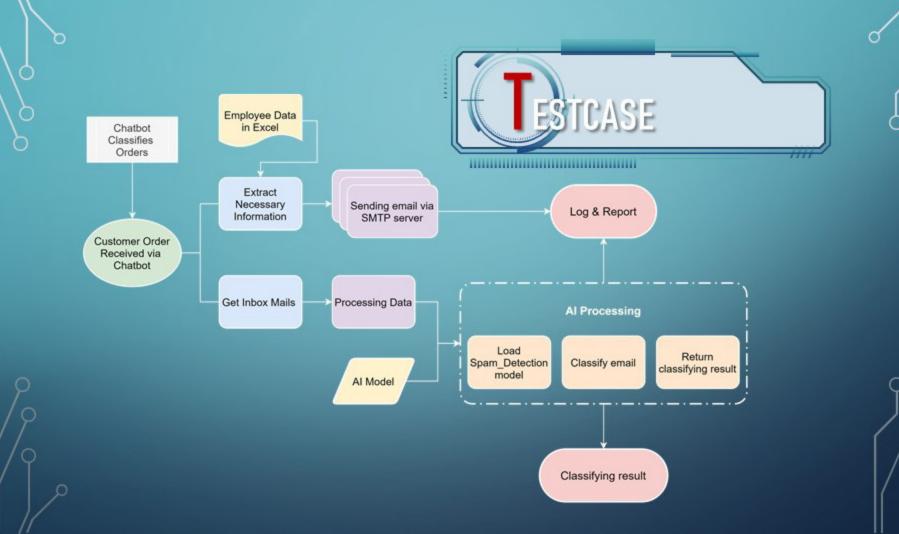


Integrating RPA with an AI model to gain cognitive abilities

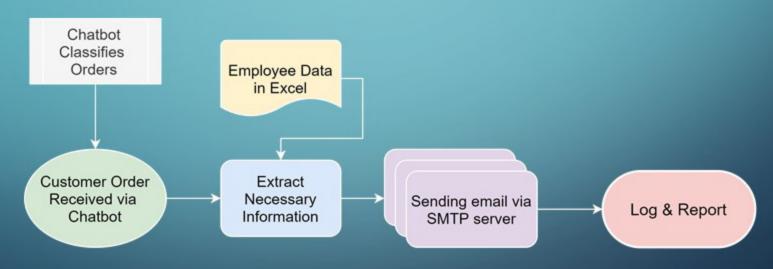


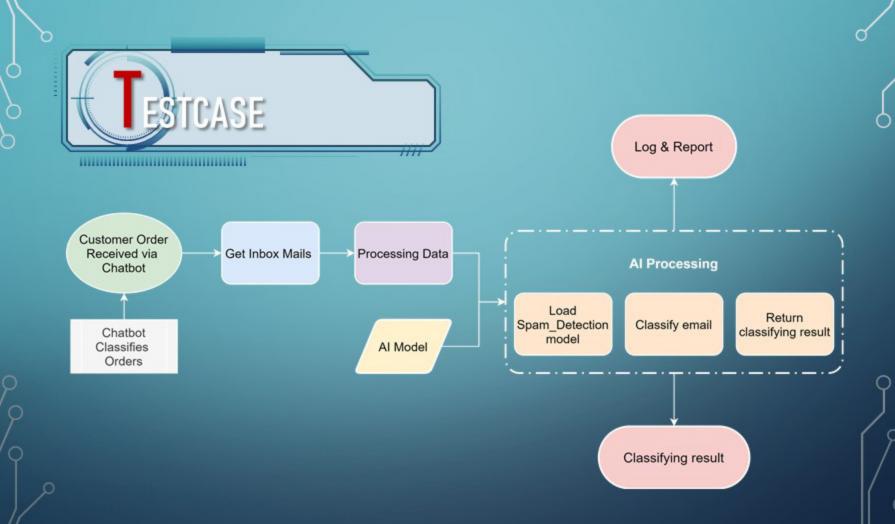














Conclusion

ROBOTIC AUTOMATION WORLD



Future word





The technology of automating mundane processes has a promising future, and because of the flexible cost of implementation, the RPA technology gains greater attention from the perspective of businesses. Additionally, with the ability to integrate with other technologies, it might have special effects on certain areas such as Banking, Medical, Economic Management, and many other sectors.



