Supermarket Aid bot using RPA

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Robotic process automation is a type of business process automation technology based on metaphorical software robots that is simple to design, deploy, and administer for simulating human actions for interfacing with digital systems.

Let us consider the example of Mercadinhos São Luiz, a family-owned business that has 22 retail outlets and annual revenue of around $1 billion. They have been using this technology to manage various business processes, by continually identifying repetitive processes that can be automated such as manual ordering, which is complex and laborious. Company's CIO adds that the real benefits from this type of automation aren't just in hours and dollars saved. Improving operational efficiency frees employees for more important tasks and automation makes dynamic processes like ordering fruits and vegetables safer and less prone to human error.

(cited:https://www.uipath.com/resources/automation-case-studies/mercadinhos-sao-luiz)

Manually recording store stock is a time-consuming and labor-intensive operation that involves clicking, copying, and pasting. By deploying robots to do the same, an organisation might save thousands of hours of work each month. Thus we would be developing a bot application which would manage Laborious tasks such as reordering, intelligently based on the requirements , the selling speed and various other factors to make the more efficient business choices . This technology might also be used to automate communications with suppliers.