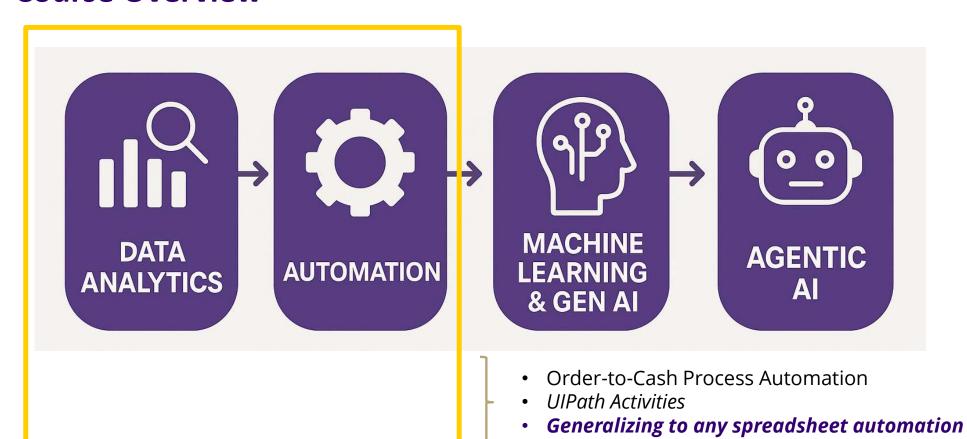


Agenda

- Review
- Pure Reformed Oils Case: Continued
- Lab 1: Make a back up of ERP system choices
- Lab 2: Outputting data to specific excel cells



Course Overview



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- Review
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Part II

Create a bot that automates the order-to-cash workflow described by the clients:

Done	Process/Task	UIPath Activities
	Read: new orders, shipping & deliveries	Read CSV
	Read: Existing data in ERP	Excel Application Scope, Read Range
	Loop through data in UIPath	For Each Row
	Output to excel	Excel Application Scope, Write Range
	Write log messages to console	Write Line

Part II

Create a bot that automates the order-to-cash workflow described by the clients:

Done	Process/Task
X	Create copies of data for backups or temporary updating
X	Update the ERP system with new orders
X	Check for existing/update new Customers
X	Get ProductIDs, update inventory levels
X	Log and save metadata for governance/process mining

Points to consider

Data can move in parallel:

- All data is initially triggered by the order
- The process is retriggered by a new order, and older orders need not be completed before staring a new one.
- Data is updated by the arrival of new information (mostly shipping related)

You can suggest changes to order /combine parts of the process to make it more efficient:

- This is a positive for automation.
- Excel is not always the best solution, you can propose other alternatives. Excel excels at tasks that need formatting for human consumption (otherwise it is inefficient relative to storing the data as data).
- Add as many steps and as much detail as you want (this is for you to prepare to build the bot, not for the client or to sell the product).

Task Name	Software and System(s) utilized	Prototype / Simulation for RPA Solution
Monitor for New Order	Etsy Seller Portal (online/browser)	A single CSV/JSON (input to simulated a download or API call)
Extract Order Details for shipping	Etsy Seller Portal: Order Page (online/browser)	Uses data from above
Generate Shipping Label and Send Confirmation Email Update Inventory File	excel: Orders .xlsx and email system: e.g., Gmail Excel (or Google Sheets)	No new data, allow email to be autogenerated of ETSY; Consider skipping orders.xlsx Still need something here (xlsx?). Consider cheap traditional scalable storage (e.g., SQL); simulation as a CSV or Excel is fine.
Prints and ships physical product	Etsy / USPS API	Skylar manual process; Consider new data as CSV/JSON input with outbound shipping confirmation
Mark Order as Shipped in systems	Etsy Dashboard and excel: shipping.xlxs	As above
Initial Post to Accounting System Receive Shipping Confirmation	QuickBooks (we will use Excel) Gmail	Excel (Automate JE's from step#1) csv./json
Final Post to Accounting System	QuickBooks (we will use Excel)	Excel (Automate JE's from data – delivery confirmations)
Reconciliations	QuickBooks (we will use Excel), all local Excel Files, Etsy Dashboards	Individual discretion and creativity (see canvas assignments for details on the grading scale, professionalism up to +15)

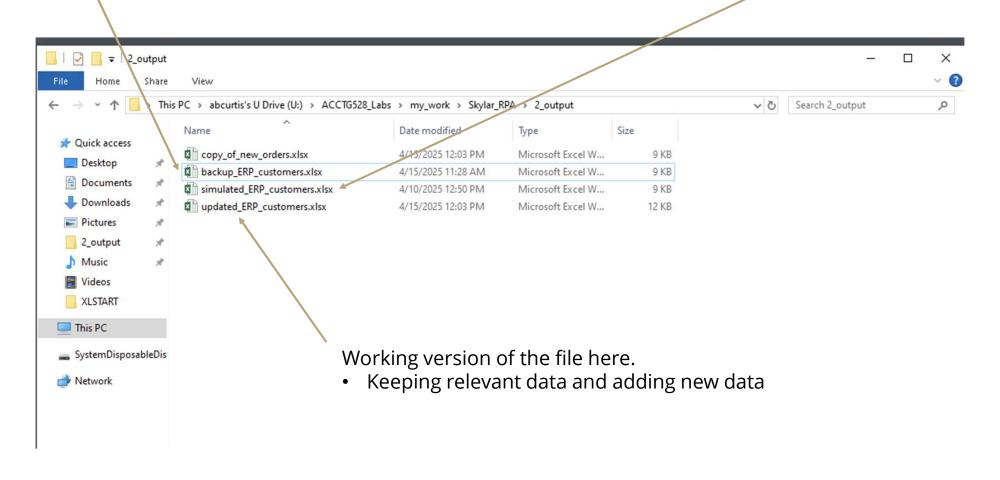
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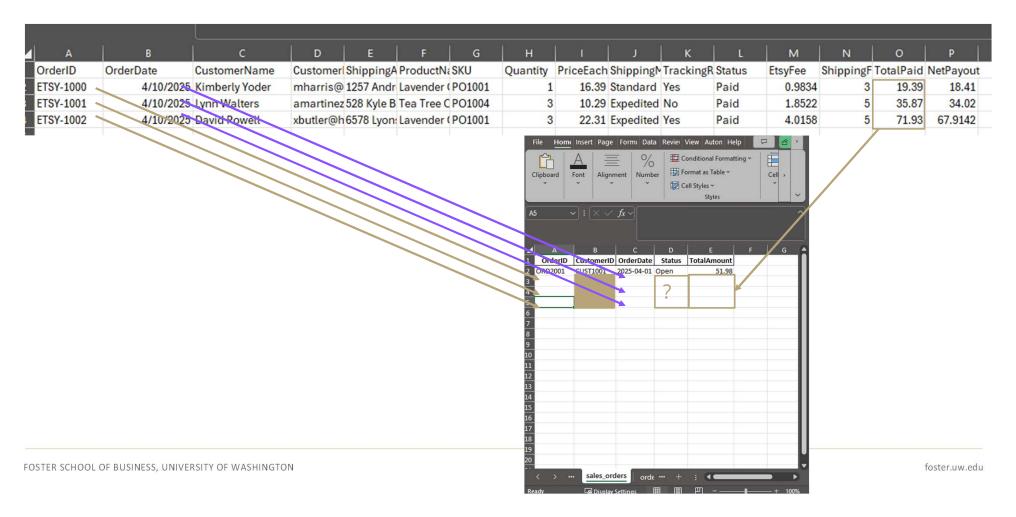


Backup as one option in case of problems/errors

Biggest Risk is overwriting/deleting data here



Example: Update an excel file task



Thank you

