

-- KAI FUTURE SAMPLE REFERENCE BOOK (v2.0)

-- PURPOSE: This book records standardized Future Sample Templates for KAI training. Whenever new automation patterns are discovered, add them here. (Reference only; Core KAI Master Training stays clean and short.)

-- FUTURE SAMPLE INDEX:

- Future Sample 1: Cloud Flow - SharePoint + Email Notification
- Future Sample 2: PAD Flow - Local Folder + Excel Handling
- Future Sample 3: Hybrid - Web UI Download + Excel + SharePoint Update
- Future Sample 4: PAD UI Automation - FileZilla + Data Abnormality Check
- Future Sample 5: PAD Web Portal Automation - EDC Report Auto-Download
- Future Sample 6: PAD Flow - Shipment Delay Checker v2 (Refined 19 Steps)

-- FUTURE SAMPLE 1: Cloud Flow - SharePoint + Email Notification (omitted for brevity)

-- FUTURE SAMPLE 2: PAD Flow - Local Folder + Excel Handling (omitted for brevity)

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-- FUTURE SAMPLE 4: PAD UI Automation - FileZilla + Data Abnormality Check (omitted for brevity)

-- FUTURE SAMPLE 5: PAD Web Portal Automation - EDC Report Auto-Download (omitted for brevity)

-- FUTURE SAMPLE 6: PAD Flow - Shipment Delay Checker v2 (Refined 19 Steps)

- Project Goal: Automate checking daily shipment Excel files in a shared folder, identify delays, and send notifications.
- File/Data Location: Local or Shared Folder (e.g., \SharedDrive\DailyShipments)
- KPI Field: Shipment Date compared to Today's Date

- Traditional Actions: ST1: Set Folder Path → ST2: Get Files → ST3: For Each File → ST4: Launch Excel → ST5: TRY Error Block → ST6: Open Excel → ST7: Read Data → ST8: Initialize DelayedList → ST9: For Each Row → ST10: IF Shipment Delayed → ST11: Append Delayed Entry → ST12: End IF → ST13: End Row Loop → ST14: IF Any Delayed → ST15: Send Email → ST16: End IF → ST17: CATCH Errors → ST18: Close Excel → ST19: End File Loop

Smart LEGO Workflow:

Line	Action/Connector	Purpose	Key Note	What User Must Customize (Lego Brick)
ST1	Set Variable	Set folder path	FolderPath variable	Folder path location
ST2	Get Files in Folder	List files	Folder → FilesList	Folder path setup
ST3	For Each (File)	Loop through files	CurrentFile variable	N/A
ST4	Launch Excel	Start Excel hidden	ExcelInstance	N/A
ST5	TRY	Begin error handling	TRY Block	N/A
ST6	Open Excel	Open Current File	Dynamic open	N/A
ST7	Read Excel Worksheet	Extract table data	Read into ExcelData	Table or Range
ST8	Set Variable	Init DelayedList (empty string)	DelayedList	N/A
ST9	For Each (Row)	Loop over ExcelData	CurrentRow variable	N/A
ST10	IF Condition	Check if ShipmentDate < Today	Date Compare Expression	Field Mapping
ST11	Append to Variable	Add to DelayedList	String append	N/A
ST12	End IF	End Condition Block		N/A
ST13	End For Each Row	End Row Loop		N/A
ST14	IF DelayedList != Empty	Check if any delayed shipments	IF Condition	N/A
ST15	Send Email Notification	Send list of delayed shipments	Dynamic Email Content	Recipient Email Address
ST16	End IF	End Notification Condition		N/A
ST17	CATCH Error Block	Handle errors during read	Error handling	N/A

Line	Action/Connector	Purpose	Key Note	What User Must Customize (Lego Brick)
ST18	Close Excel	Close Excel without save	ExcelInstance	N/A
ST19	End For Each File Loop	Finish all files		N/A

-- END OF FUTURE SAMPLE REFERENCE BOOK (v2.0) ☒ Add more Future Samples below when new patterns are discovered!