

P-029818

# BLUEPRINT 4D

Basic Orchestrations for Every  
Business Analyst

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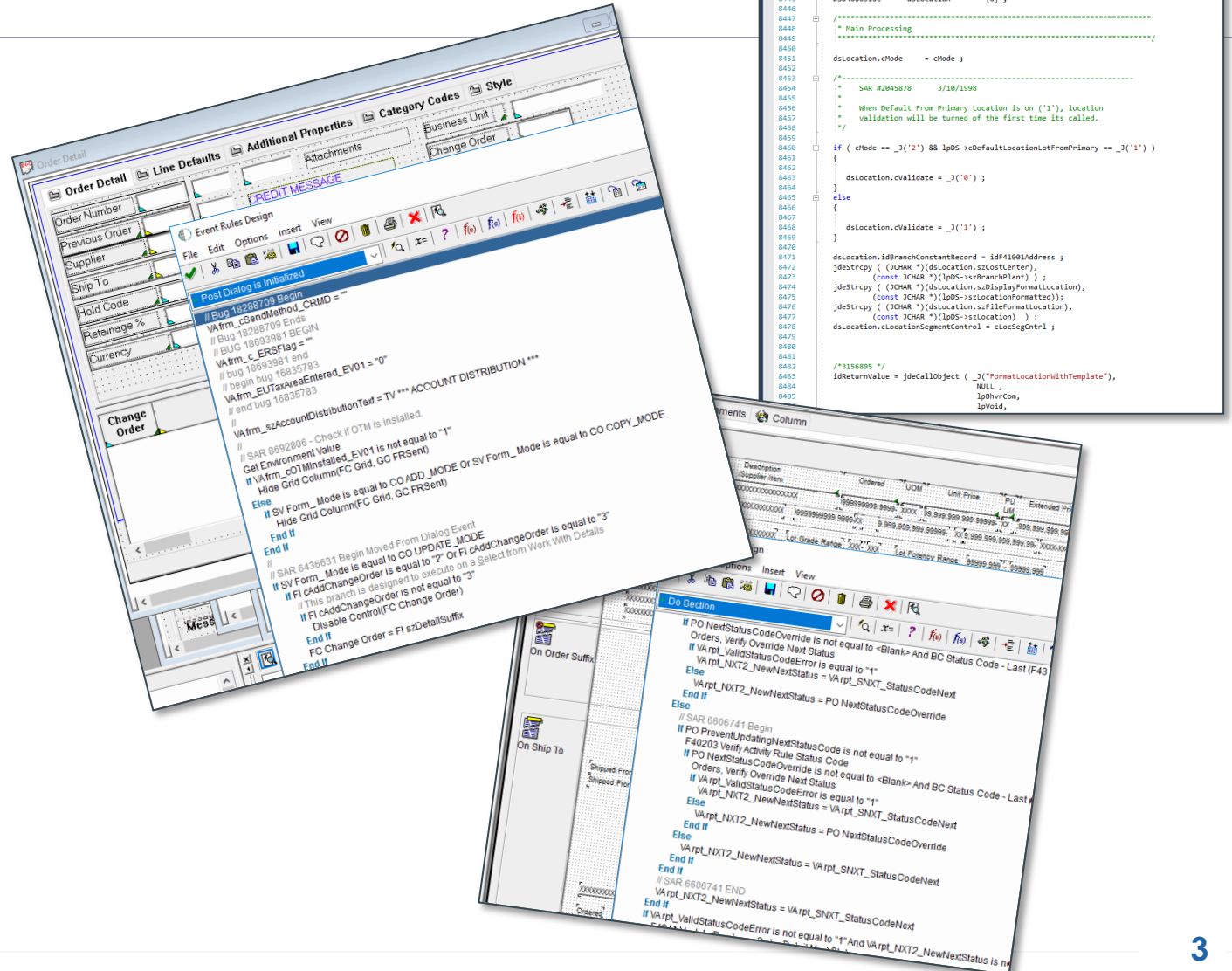
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# The User Development World is Changing

**TYPICALLY**, users are challenged by:

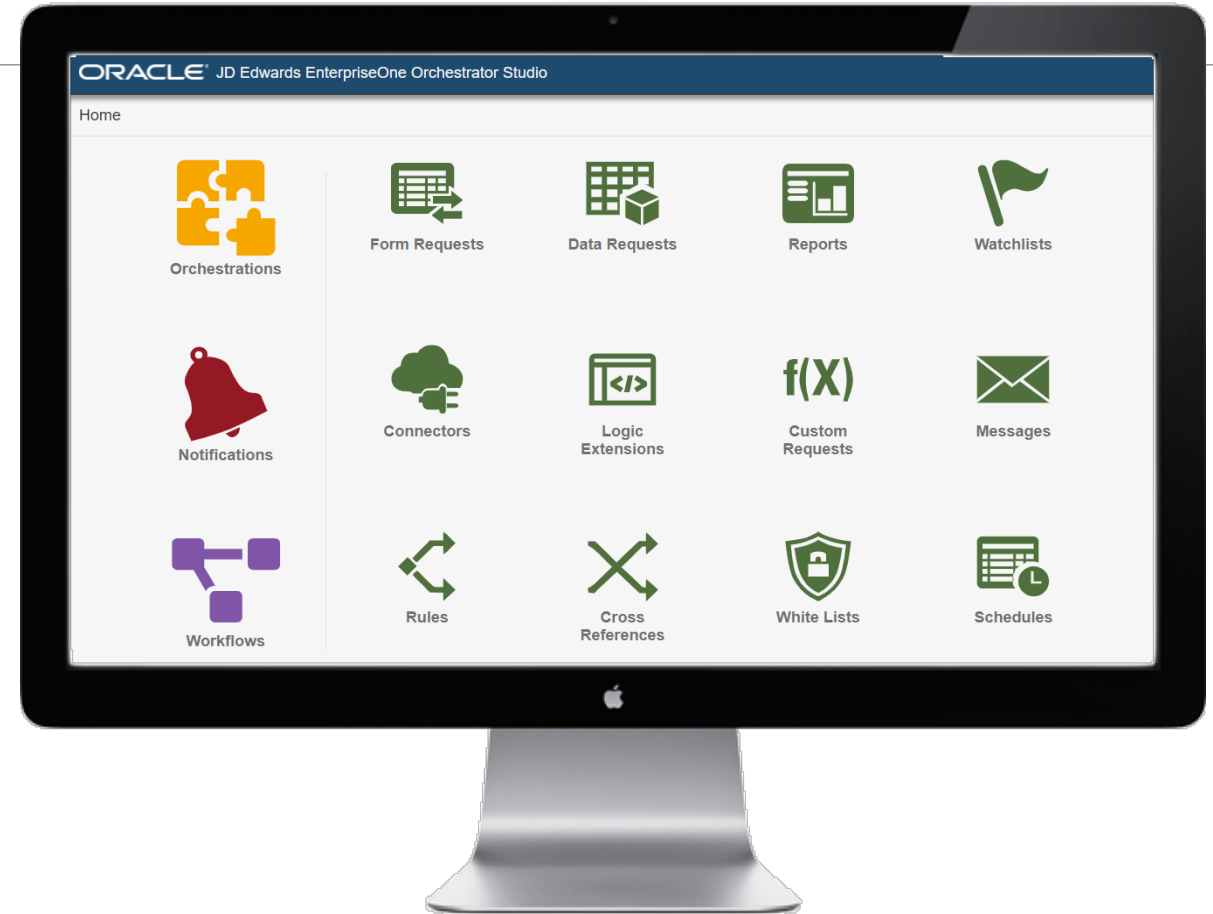
- ✗ Complex Development environments
- ✗ Need for coding experience
- ✗ Navigating complex logic to cover a variety of scenarios



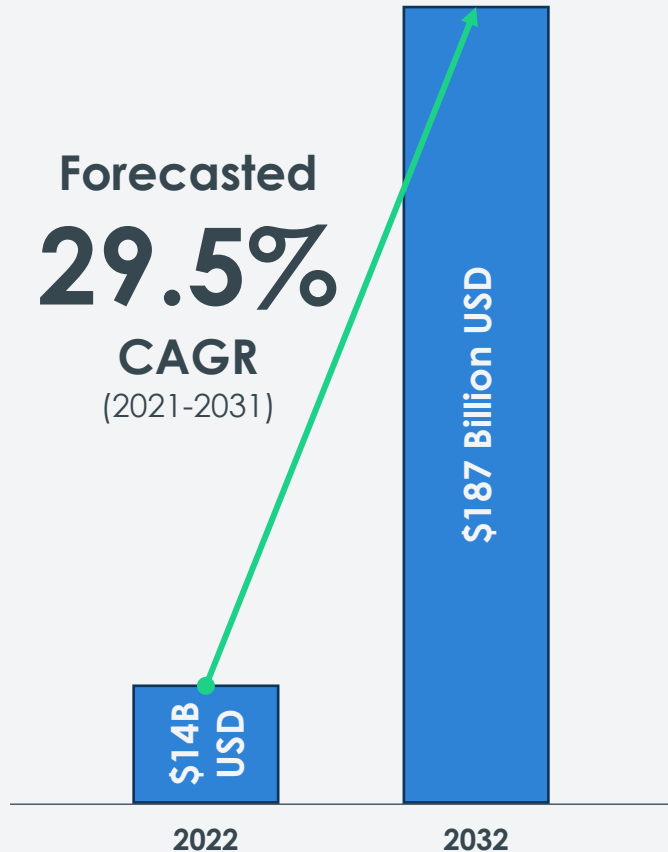
# The User Development World is Changing

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- × Complex Development environments
- × Need for coding experience
- × Navigating complex logic to cover a variety of scenarios



## Low Code Development Market Market Size Value



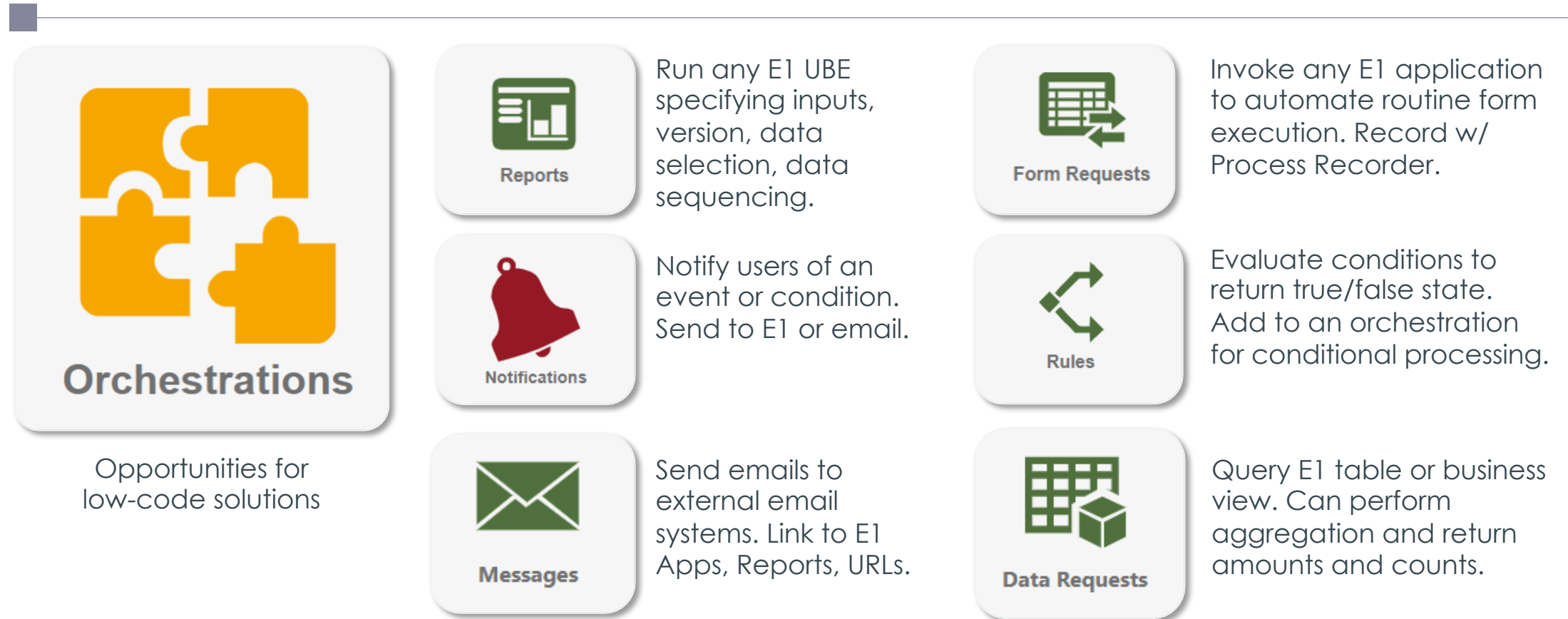
Source: [FactMR Global Insights Report Size](#)

## Why is Low-Code Important?

- ✓ **Speed:** Accelerate project delivery and quality applications
- ✓ **Cost:** Lower cost of development and implementation
- ✓ **Business Agility:** Improve communication with business users and empower companies to drive and iterate solutions quicker

**Increase your development capacity  
from non-development resources**

# JDE's Low Code Solution



**Together these solutions automate manual tasks to drive consistency and productivity**



# Speed Status Update from the Sales Order (SO) Entry Form

## Challenge

A repetitive task requiring several clicks between applications.

## Solution

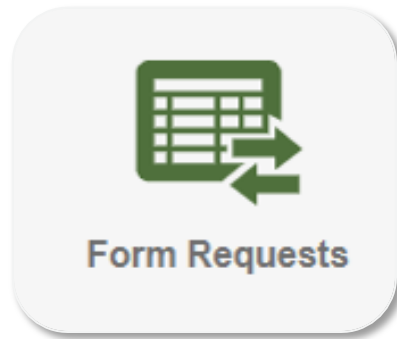
Form Request + Form Extension  
Create a form request to P42040 called from a form extension on P4210.

## Value

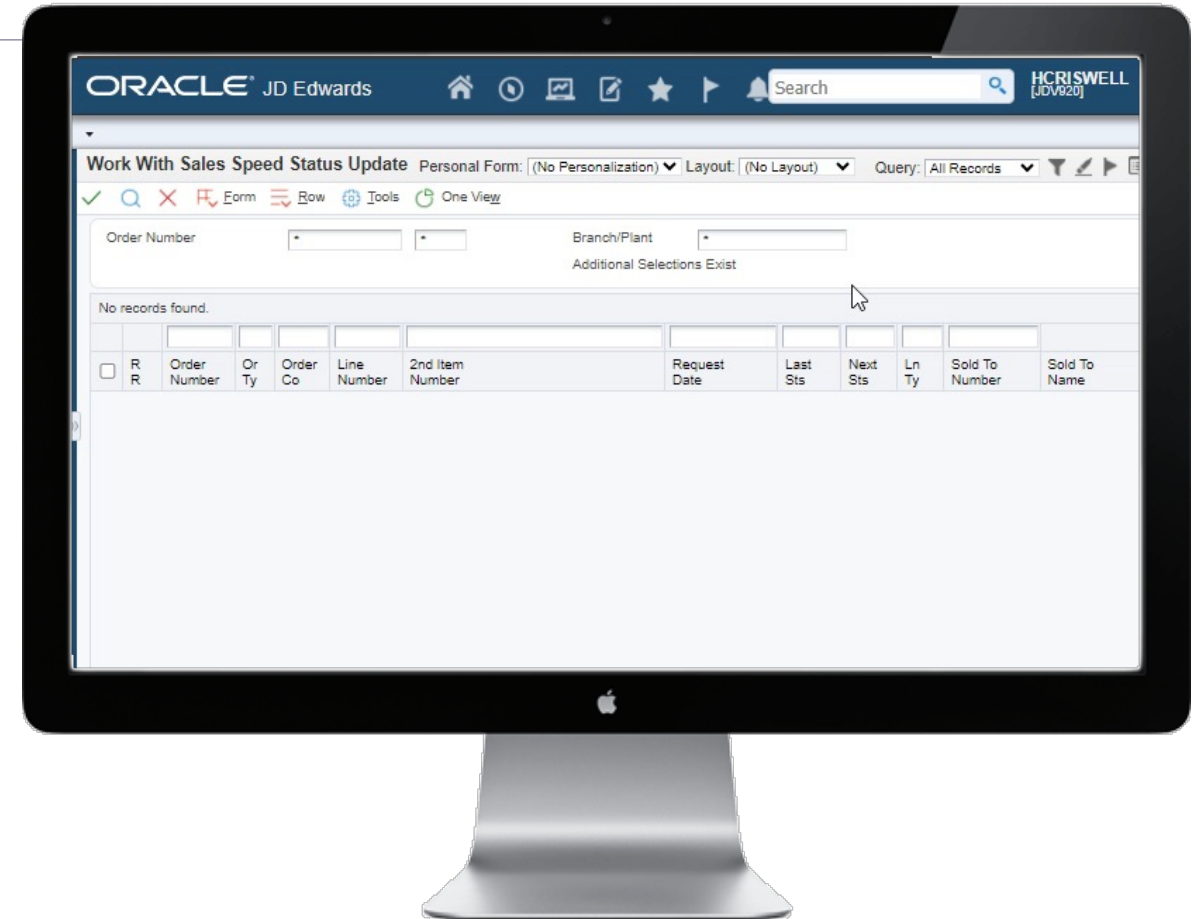
Operational Efficiency, Automation to avoid human error and follows the JDE business rules.



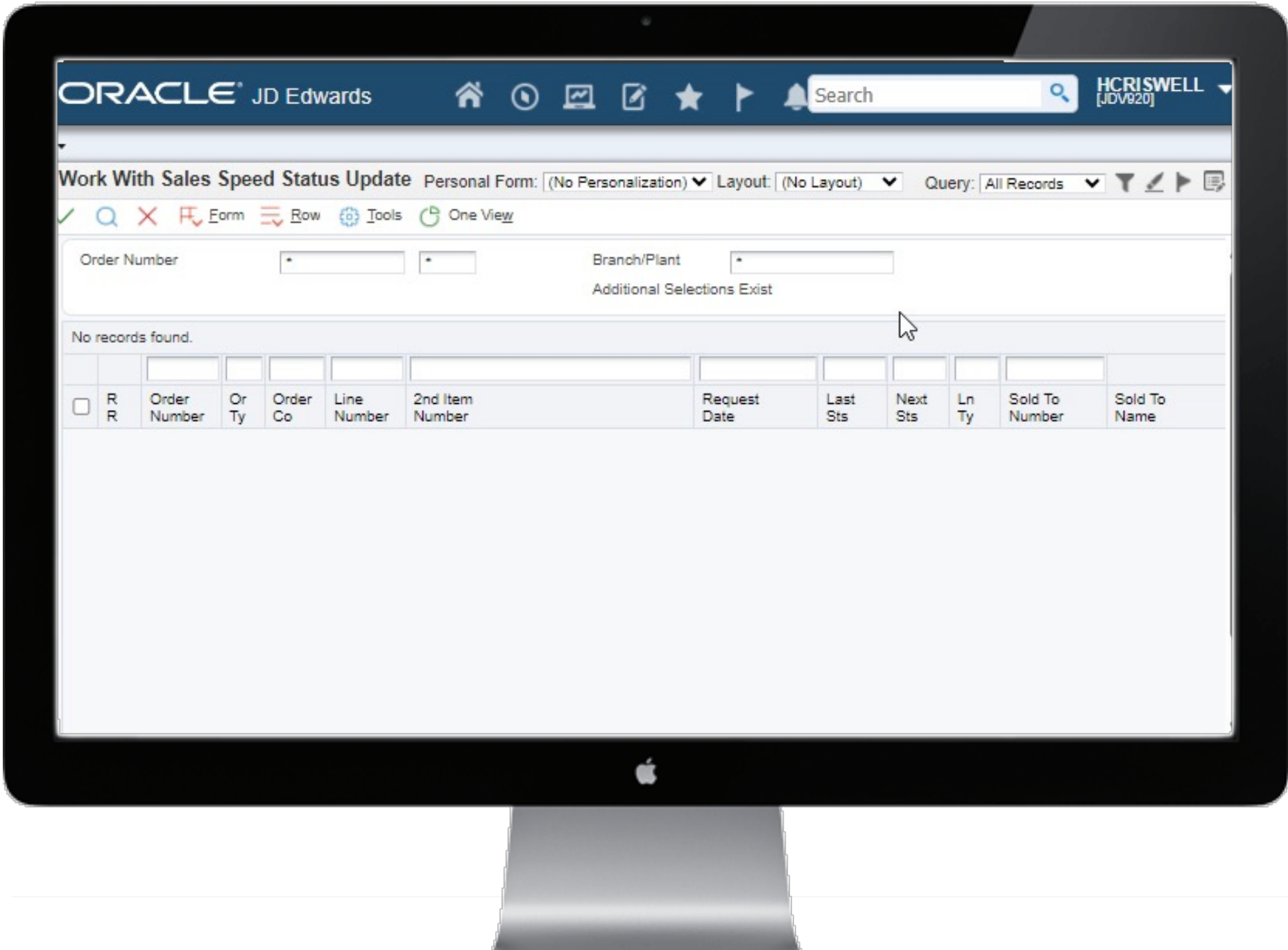
# Form Request w/ Process Recorder



Invoke any E1 application to automate routine form execution. Record w/ Process Recorder.

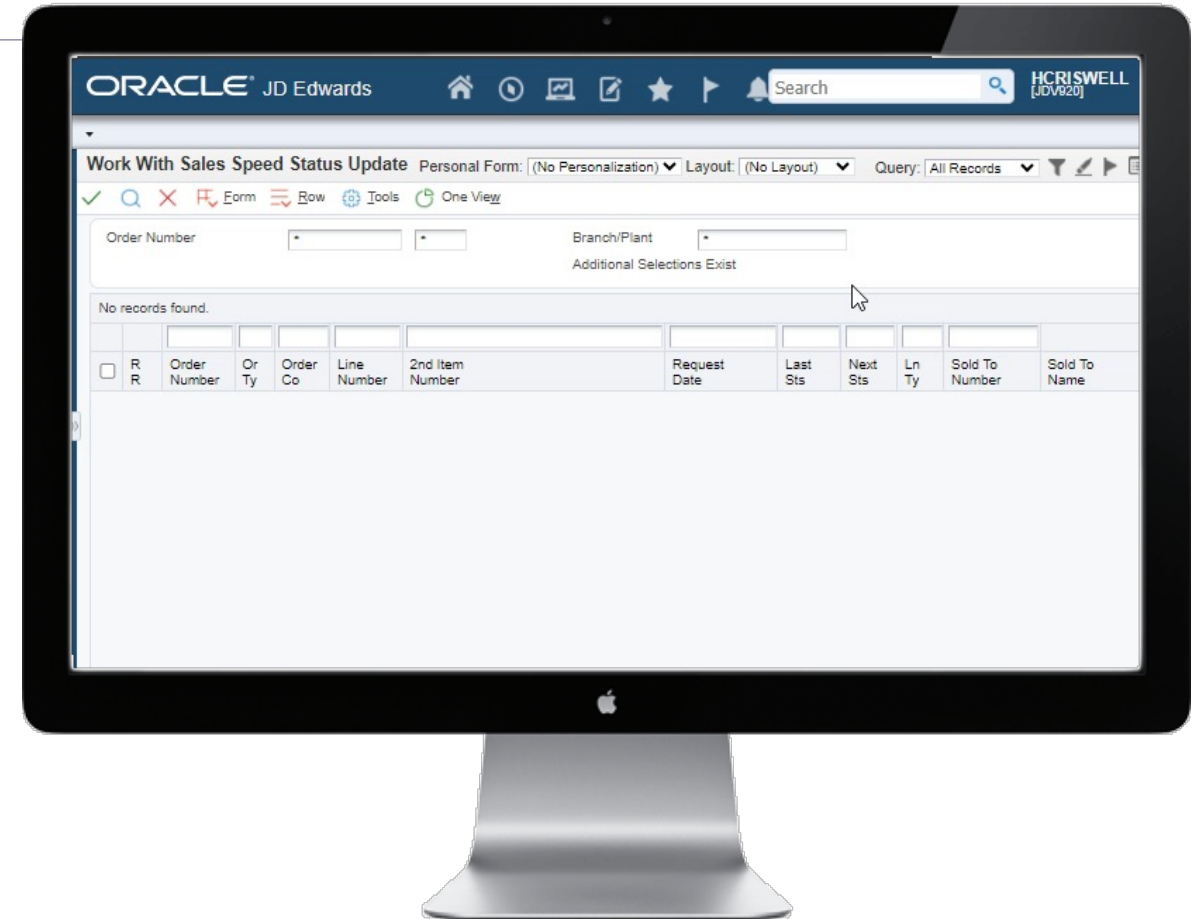




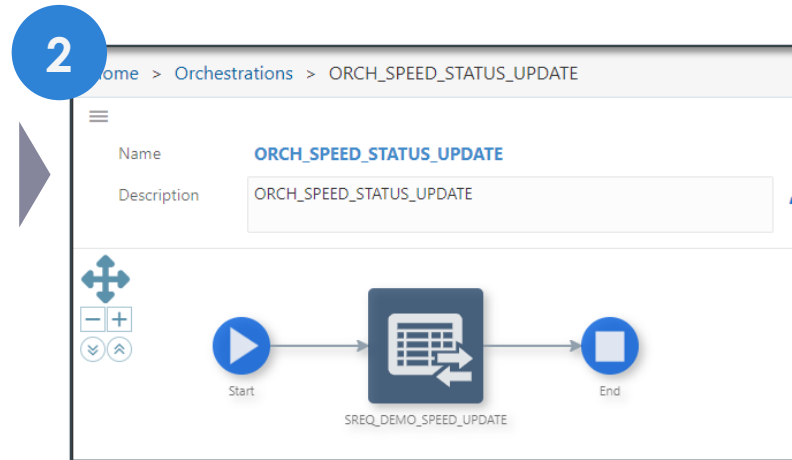


# Form Request w/ Process Recorder Business Value

- ✓ All clicks are captured
- ✓ Form progression is captured
- ✓ Data entry fields are captured as variables
- ✓ Recording is saved to Orchestrator Studio

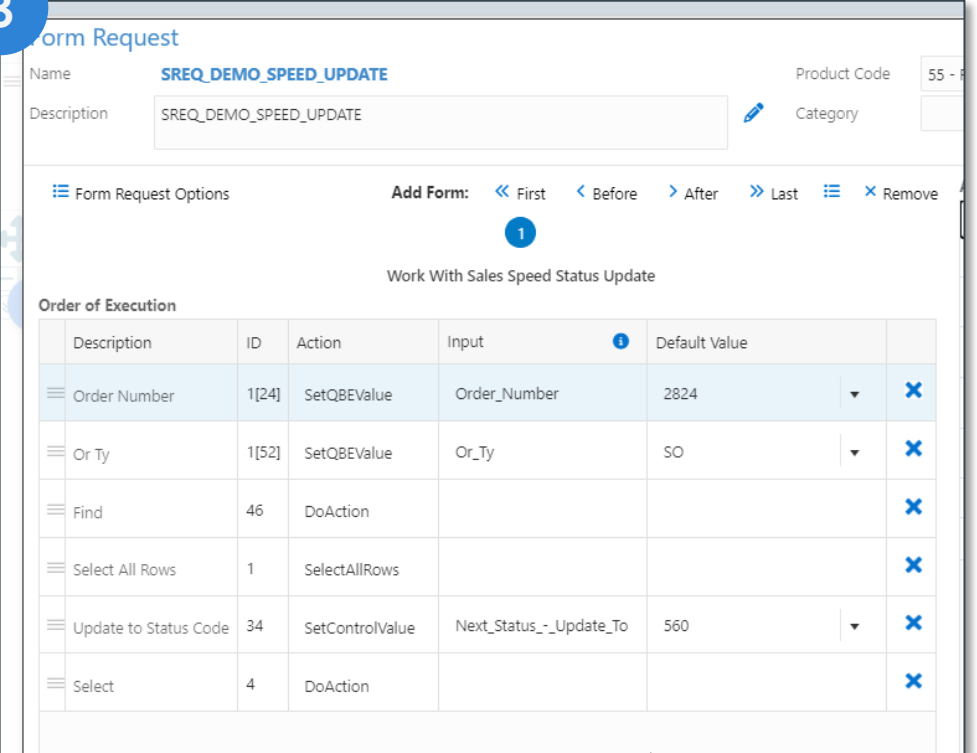


# Key Steps: Orchestration w/ Form Request



Add your Form Extension to an orchestration

3



Form Request

Name: SREQ\_DEMO\_SPEED\_UPDATE

Description: SREQ\_DEMO\_SPEED\_UPDATE

Product Code: 55 - 9

Category:

Form Request Options: Add Form: << First < Before > After >> Last Remove

Work With Sales Speed Status Update

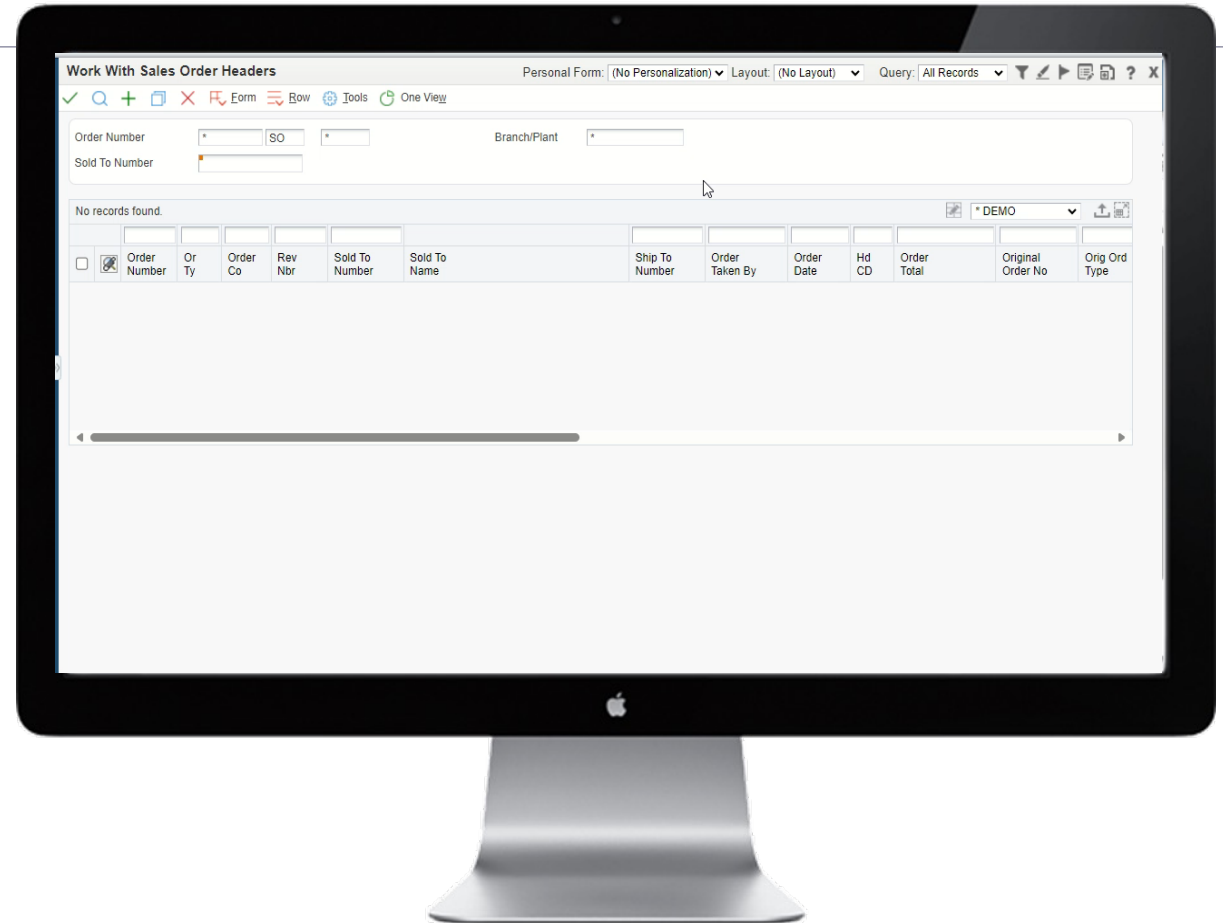
Description	ID	Action	Input	Default Value	
Order Number	1[24]	SetQBEValue	Order_Number	2824	X
Or Ty	1[52]	SetQBEValue	Or_Ty	SO	X
Find	46	DoAction			X
Select All Rows	1	SelectAllRows			X
Update to Status Code	34	SetControlValue	Next_Status_-_Update_To	560	X
Select	4	DoAction			X

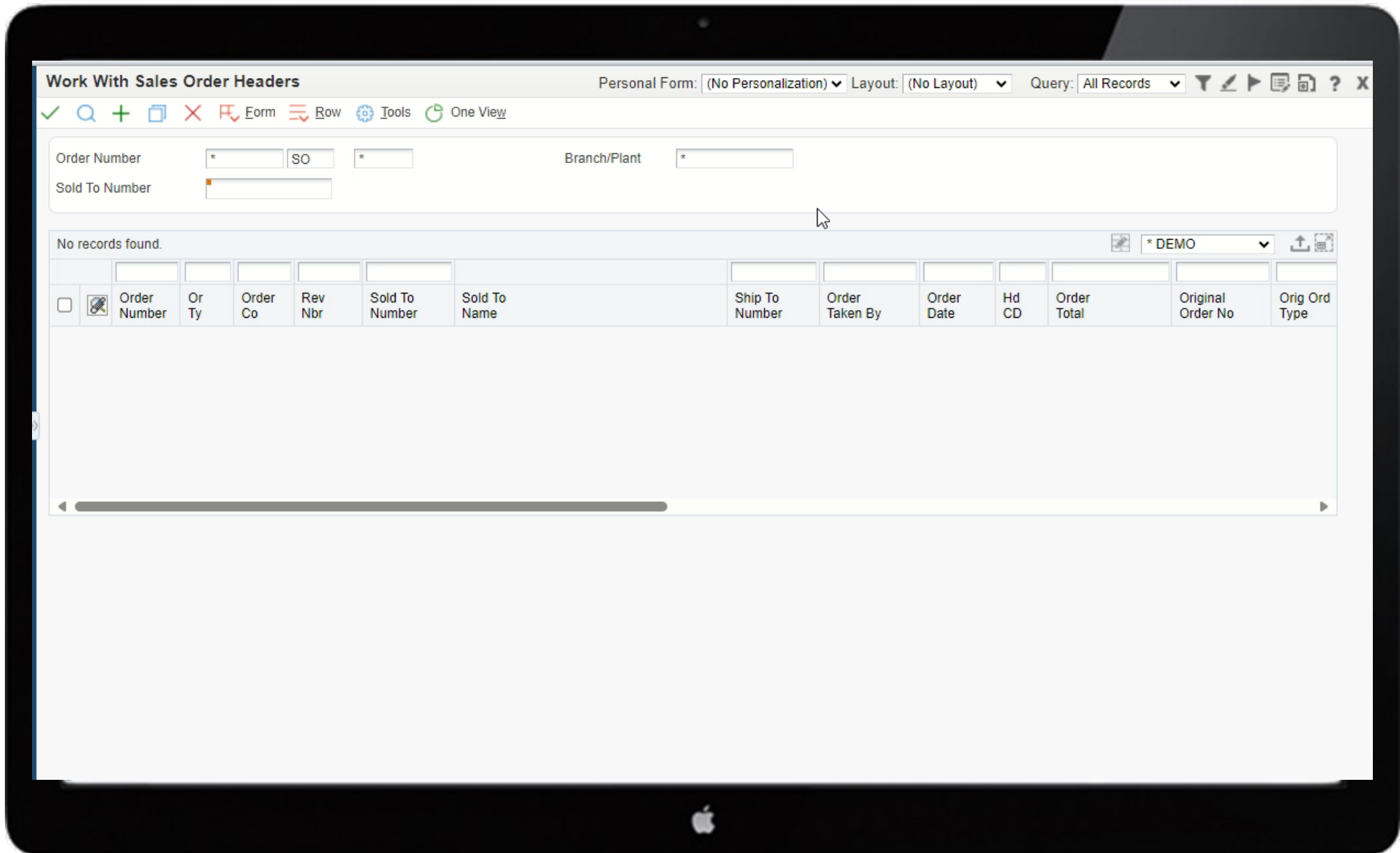
Revise and refine your Orchestration

# Form Extension

1. Add a button
2. Invoke the Orchestration from the button
3. Map form values to be passed to the Orchestration

**Orchestrations can also be invoked by existing form controls**







# What's Next?

## **One-click ideas using these basic principles**

- Automate item branch creation from item master
- PO Approval
- PO Receiving
- Cancel PO
- Ship confirm
- Update Work Order (Status, Freeze code, Priority, etc.)
- Custom applications, no problem!!
- What are some easy button ideas that you are thinking of?

# Print Order from PO Entry From

## Challenge

A repetitive task requiring several clicks between applications.

## Solution

Rule + Report Request + Notification + Form Extension  
Add button to P4310, calling an orchestration for PO Print.  
Create a rule to determine which version of PO Print to run.  
Email the report with a Notification.

## Value

Efficiency, follows JDE business rules.



# Rules



Adds decision point to create alternative paths in logic.





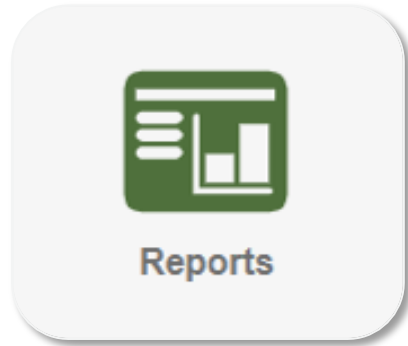
# Rule Business Value

- ✓ Builds simple or complex decision points with evaluation on one or many fields
- ✓ Allows for alternate code path based on input
- ✓ Reusable





# Report Request



Run any E1 UBE specifying inputs, version, data selection, data sequencing.



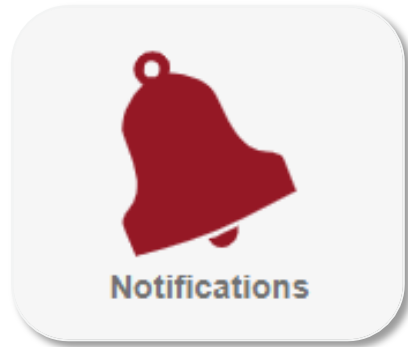


# Report Request Business Value

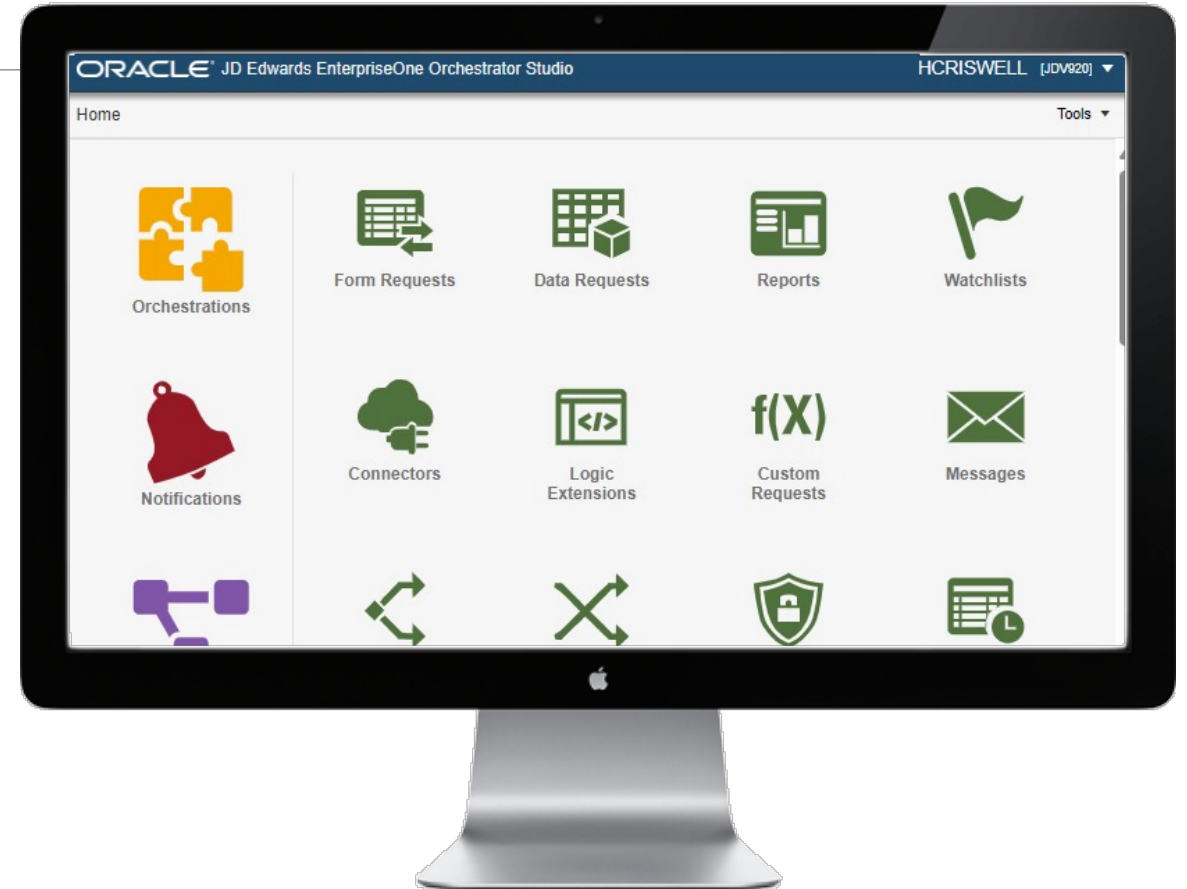
- ✓ Send reports as attachments to appropriate distro list for review
- ✓ Can be added to decision chain based on output of Rule or Data Request
- ✓ Use variables in data selection
- ✓ Pass version name as a variable



# Notification



Notify users of an event or condition.  
Send to E1 or email.







# Notification Business Value

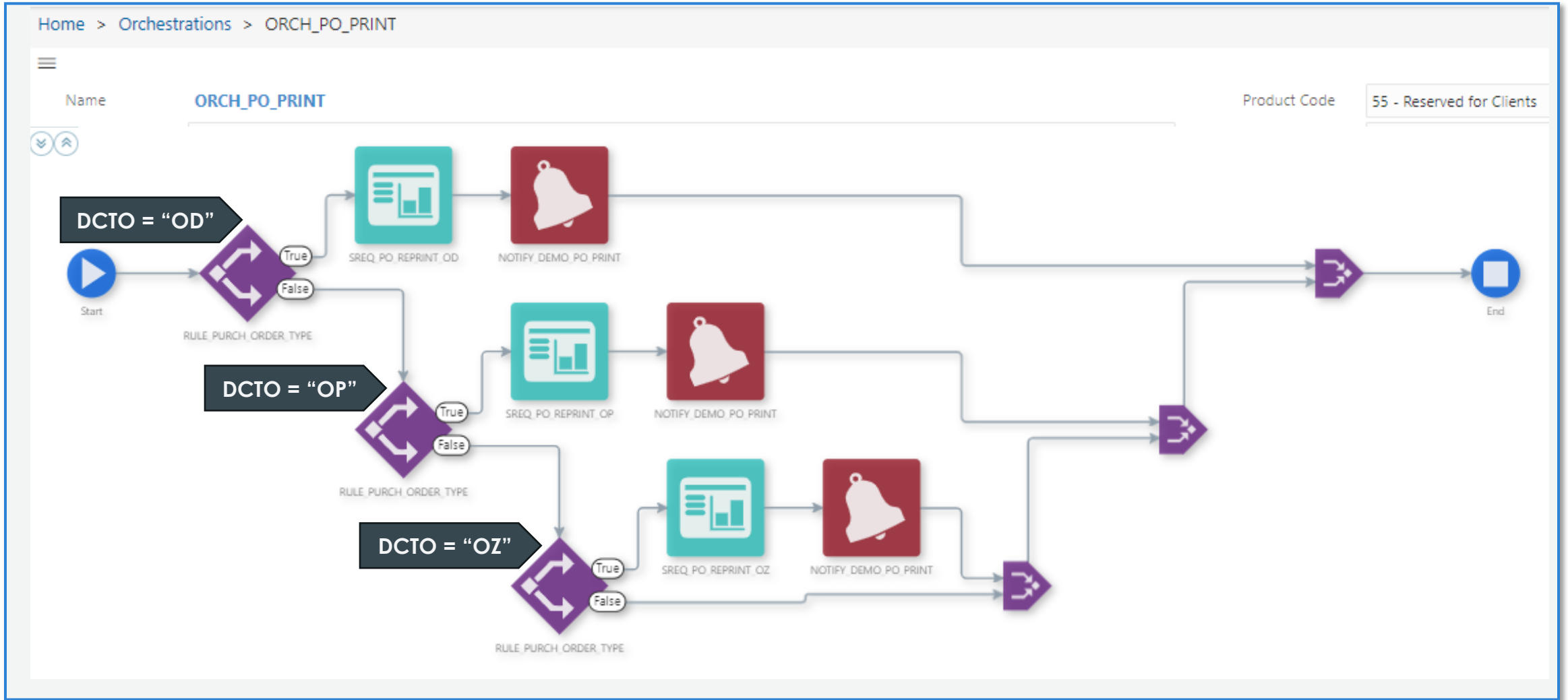
- ✓ Deliver report output via email to an individual or distro list
- ✓ Alert someone based on a rule
- ✓ Add dynamic details with variables



# Build the Orchestration

- 1 Rule used 3 times
- 3 Report Request
- 1 Notification used 3 times





**Build a library of reusable components to use across orchestrations**

# Next Steps

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1. Create a Form Extension to call this from PO Entry, P4310
2. Pass order # and order type grid columns.
3. Use Rule to call correct version of PO Print will be called
4. Notification will send the PO Print to your inbox



# What's Next?



## One-click ideas using these principles

- Any report can be called from form extension buttons or form controls like the OK button
- Order prints/reprints
- ASN or Shipping documents as part of Ship Confirm
- A button could execute multiple UBE's (think Month End Reports)
- What are some ideas that you can think of



# Work Order Backlog Notice

## Challenge

To identify business critical indicators before issues arise. Are there high priority WOs that have not been started?

## Solution

Data Request + Message

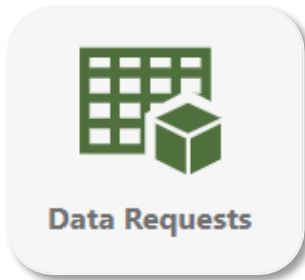
Create a Data Request to query data and email results to user(s) for review and follow-up.

## Value

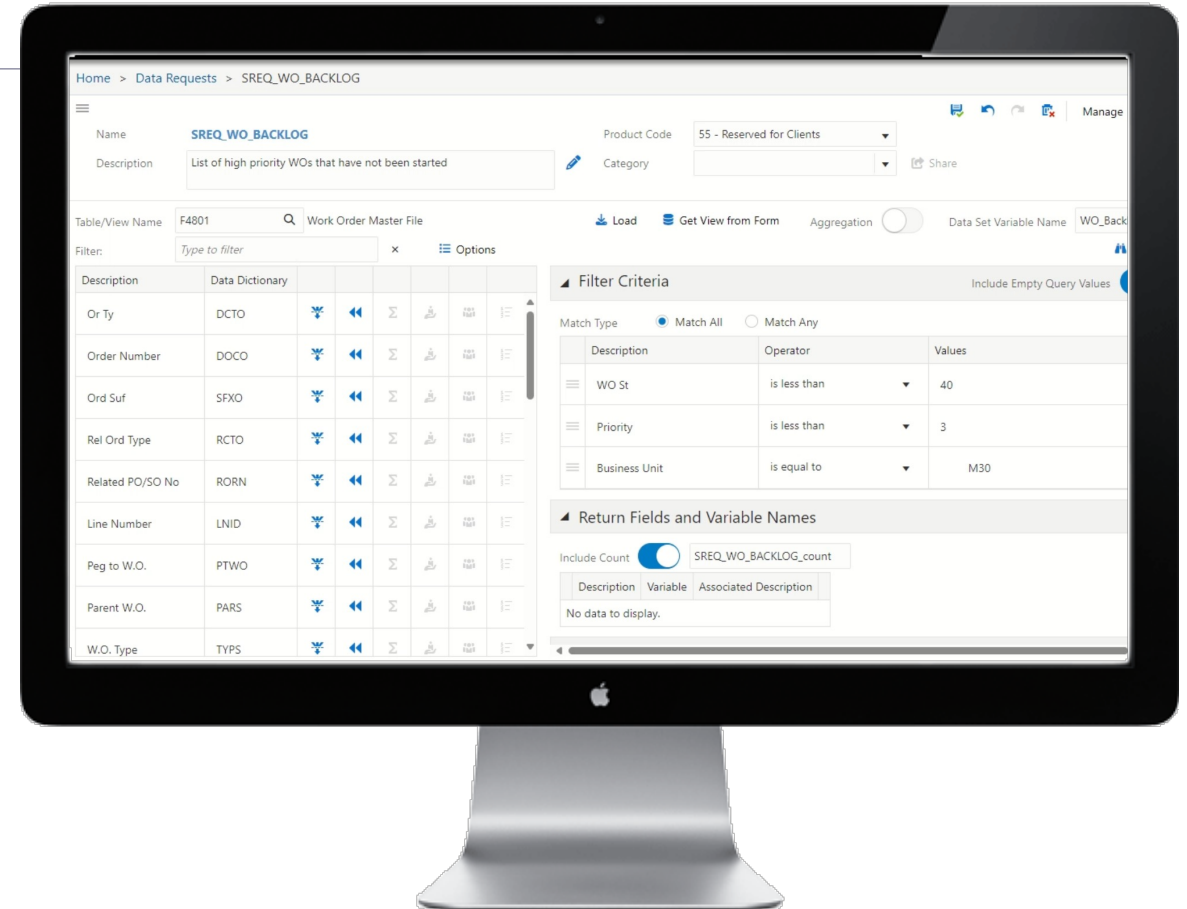
Provide real-time awareness of business-critical issues.

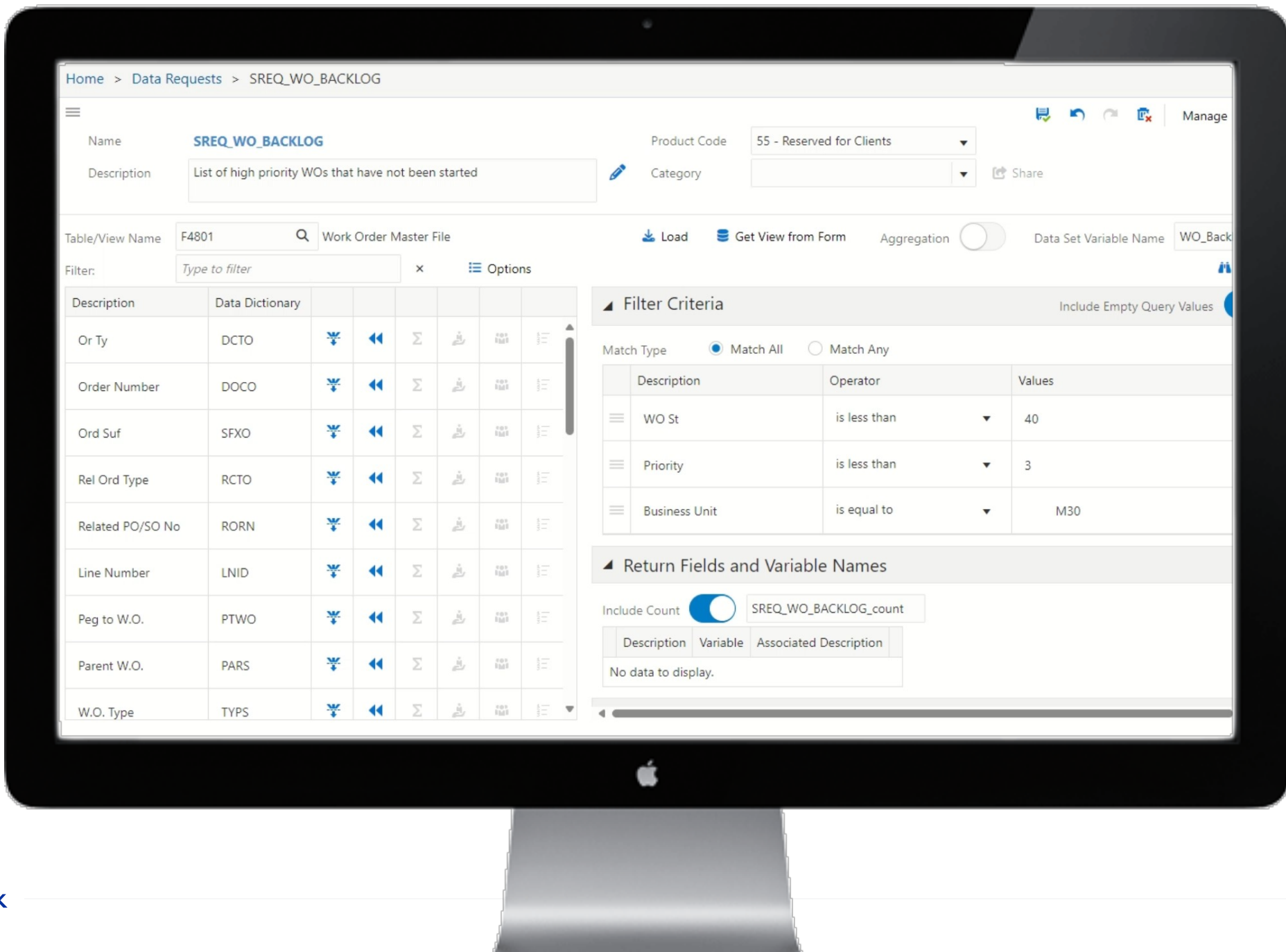


# Data Request



Query E1 table or business view to perform aggregation, return amounts and counts.

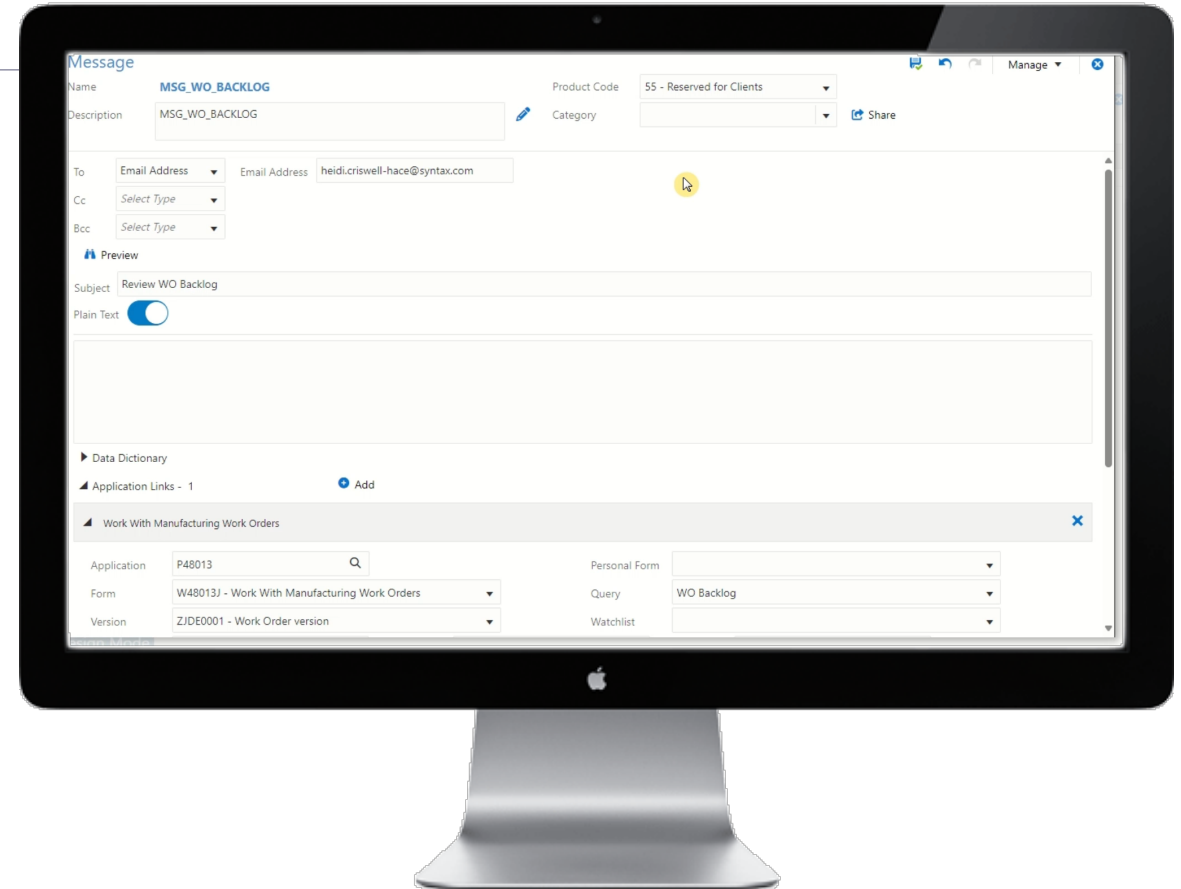


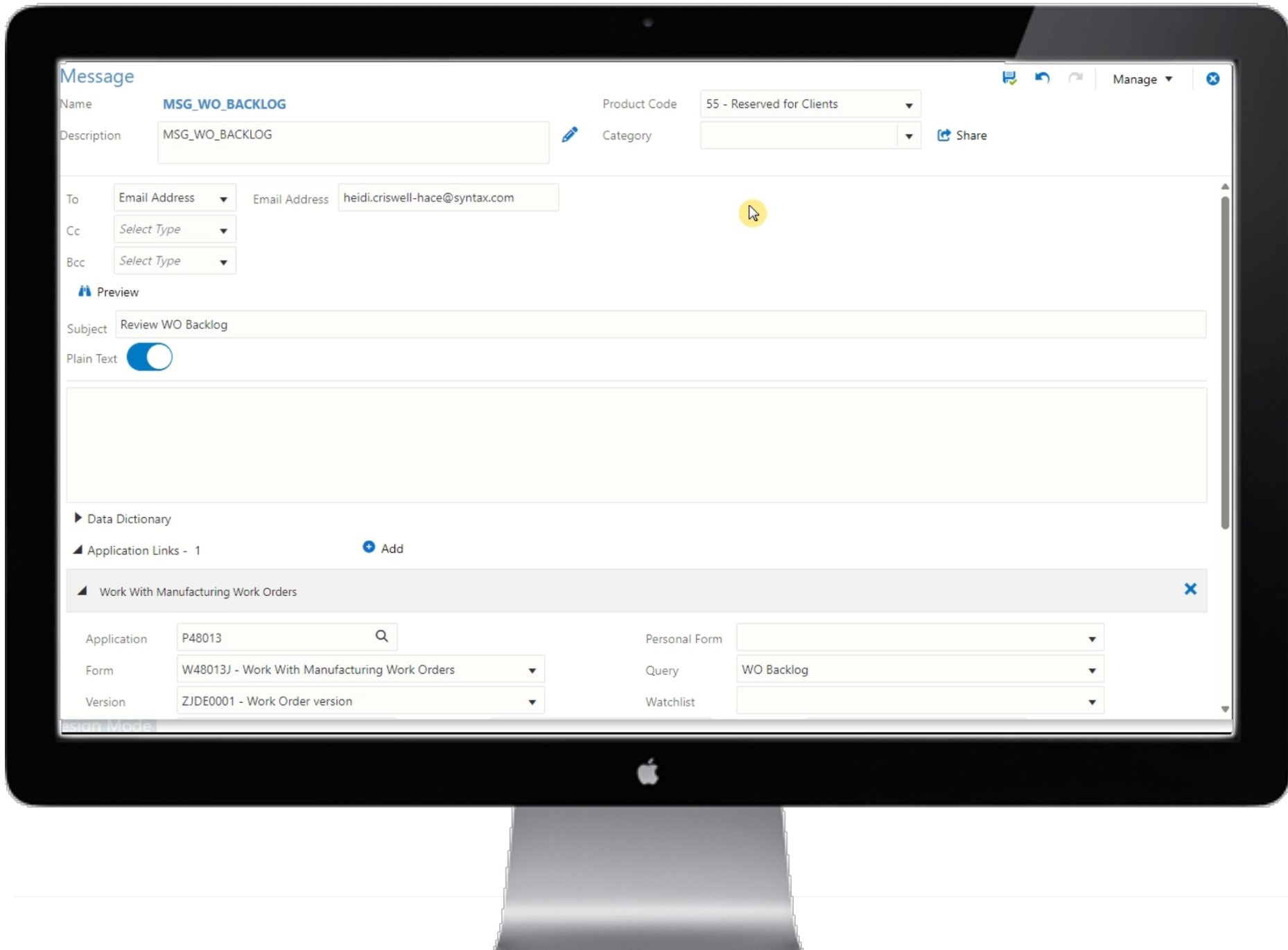


# Message



Send emails to  
internal or external  
email systems. Link  
to E1 Apps, Reports,  
URLs.





# Putting it Together

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- Pass the record count returned from the Data Request to the Message to be emailed to the end user.
- Add a link to direct the user to the application for review.
- OPTIONAL - Add a Rule to only execute the Message if record count > 0
- OPTIONAL - Add the Orchestration to a Schedule.





# Cheat Sheet





# Syntax JDE Offerings



FraudID - Proactively detects and alerts to suspicious transaction activity by closely monitoring production data in real-time.



eCare - Identifies issues and optimizes system performance before your users are impacted. There are 9 configurable modules to assess user security, job statuses, logs, data integrity reporting, among others.



EnCrypto - Delivers JDE encryption capabilities with military precision, allows for field-specific encryption and granular user access control.

**Swing by our booth 1110 to learn more!**

# Our Team

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## Basic Orchestrations for Every Business Analyst

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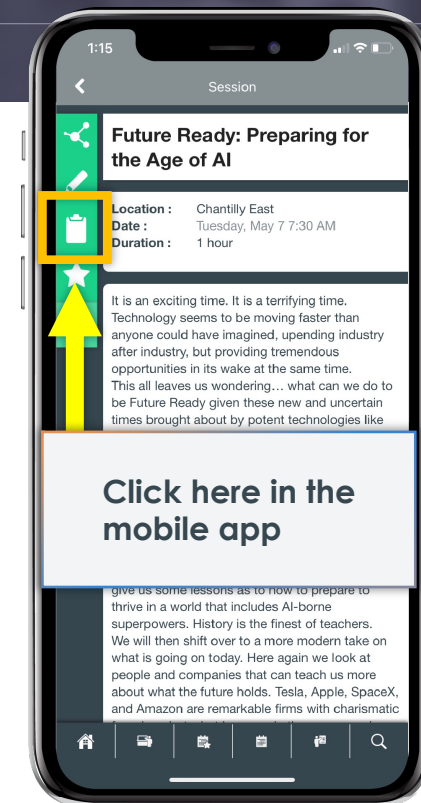
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