

Project: Retail Inventory & Sales Performance Tracker

Task - Project Automation and Tracking in Azure DevOps

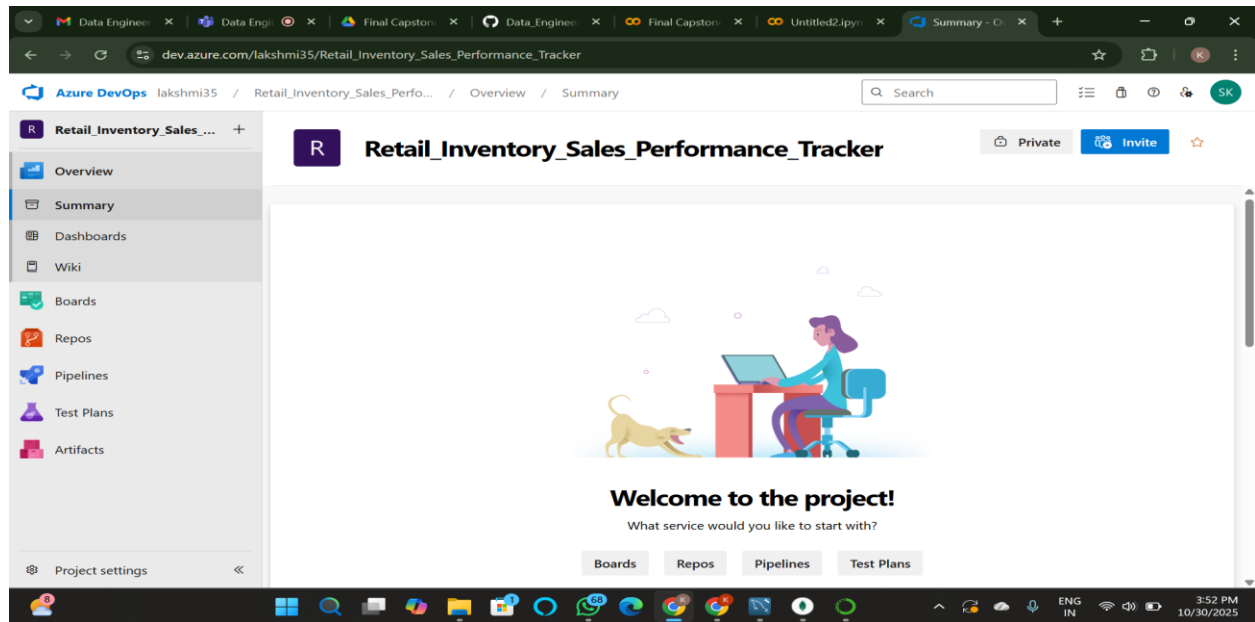
Tools Used

Azure DevOps

Objective

To organize and automate the Retail Inventory & Sales Performance Tracker project using Azure DevOps.

The goal is to create an Epic, break it down into Features, User Stories, and Tasks to ensure proper tracking, collaboration, and continuous integration.



Step 1: Created Epic

Epic Name: Retail Inventory & Sales Performance Tracker

Description:

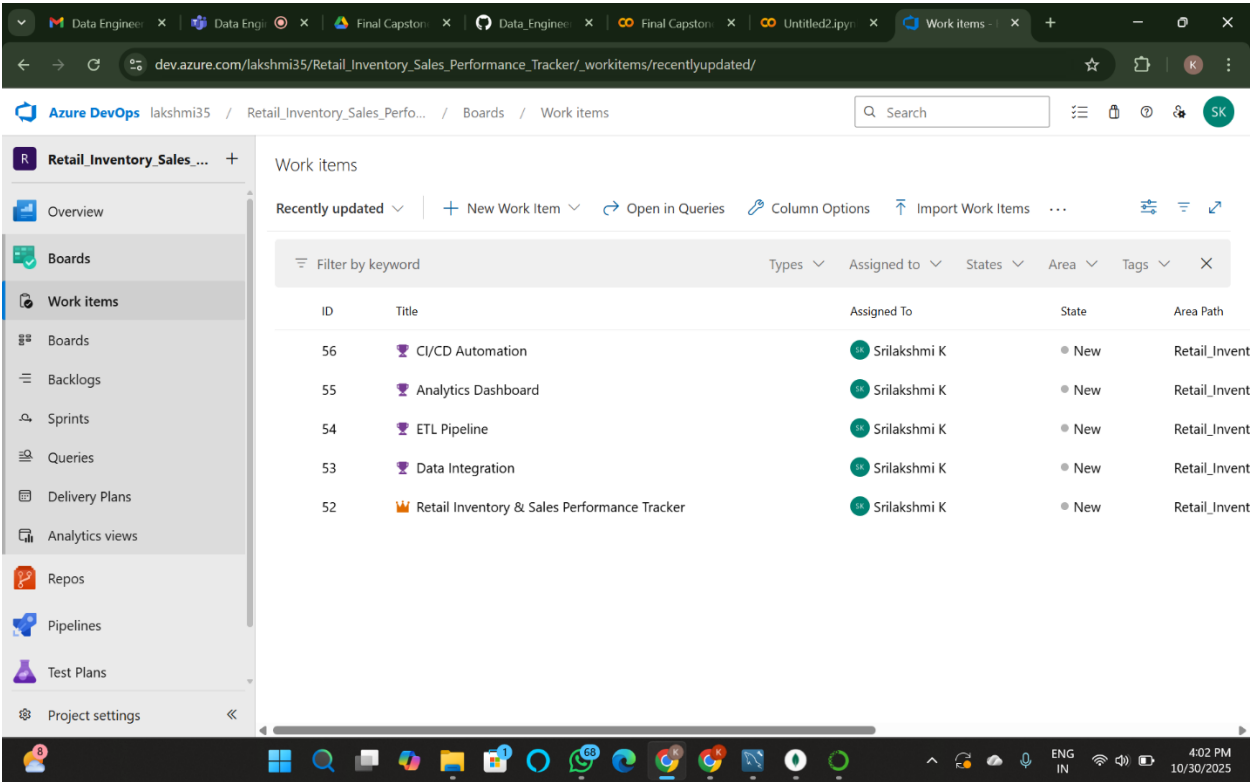
This epic represents the overall goal of building an automated and data-driven retail analytics system that integrates sales and inventory data, performs ETL operations, generates insights, and automates CI/CD pipelines.

The screenshot displays the Azure DevOps web interface. The browser address bar shows the URL: `dev.azure.com/lakshmi35/Retail_Inventory_Sales_Performance_Tracker/_workitems/edit/52/`. The left-hand navigation pane is open, showing the 'Work items' section with a sub-menu for 'Boards'. The main content area shows the details of a new Epic (ID 52) titled 'Retail Inventory & Sales Performance Tracker'. The Epic is created by 'SriLakshmi K' and is currently in the 'New' state. The description reads: 'This Epic focuses on integrating sales and inventory data, analyzing performance trends, and automating updates through pipelines.' The 'Planning' section shows fields for Priority (2), Risk, Effort, Business Value, and Time Criticality. The 'Deployment' section includes a note about tracking releases and a link to 'Learn more about deployment status reporting'. The 'Development' section has an 'Add link' button and a 'Link an Azure Repos' option. The bottom of the screen shows the Windows taskbar with various application icons and the system clock indicating 3:54 PM on 10/30/2025.

Step 2: Created Features

The Epic is divided into 4 key features:

Feature Name	Description
Data Integration	Combine sales and inventory data from multiple sources
ETL Pipeline	Automate data cleaning, transformation, and loading
Analytics Dashboard	Generate sales trend insights and visualizations
CI/CD Automation	Automate ETL execution and deployment using Azure DevOps p



Step 3: Created User Stories

Each feature contains user stories defining specific functionalities.

The screenshot shows the Azure DevOps interface for a project named 'Retail_Inventory_Sales_Performance_Tracker'. The 'Work Items' section is active, displaying a list of user stories. The table below represents the data shown in the screenshot:

ID	Title	Assigned To	State	Area Path
65	Maintain Consistent Naming and Setup	Srilakshmi K	New	Retail_Inve
64	Create and Track Tasks in Azure DevOps	Srilakshmi K	New	Retail_Inve
63	Export Aggregated Results	Srilakshmi K	New	Retail_Inve
62	Automate Data Loading	Srilakshmi K	New	Retail_Inve
61	Simulate ETL in Colab	Srilakshmi K	New	Retail_Inve
60	Category-Wise Sales Summary	Srilakshmi K	New	Retail_Inve
59	Region-Wise Sales Analysis	Srilakshmi K	New	Retail_Inve
58	Combine Inventory and Sales Data	Srilakshmi K	New	Retail_Inve
57	Load Sales and Inventory Data	Srilakshmi K	New	Retail_Inve
56	CI/CD Automation	Srilakshmi K	New	Retail_Inve

Step 4: Created Tasks

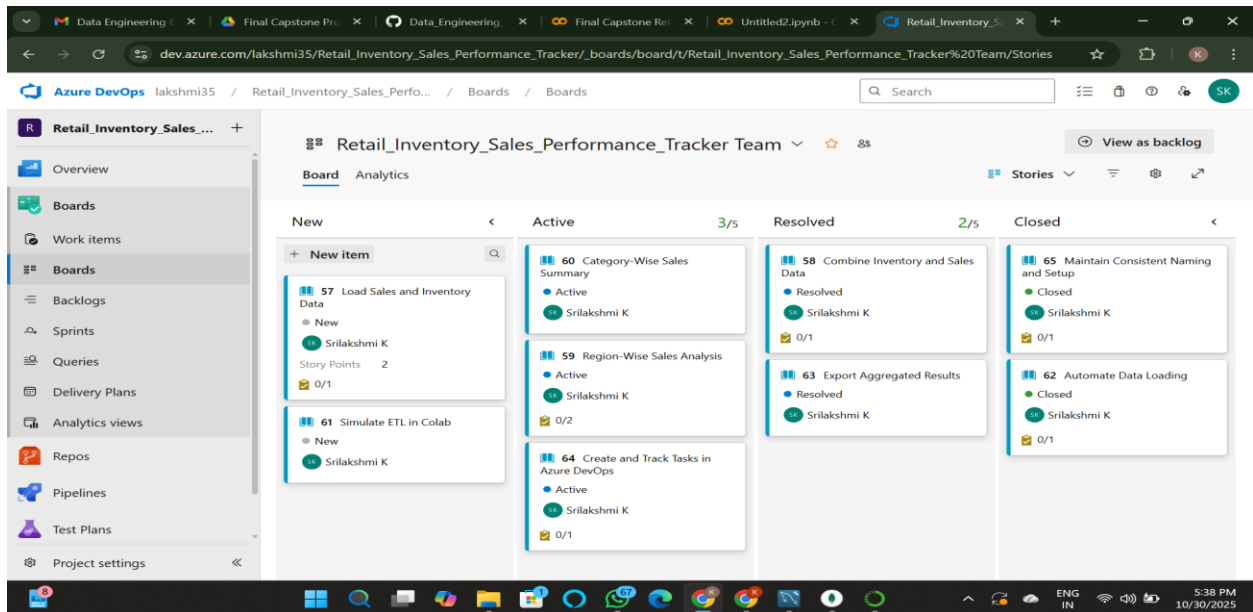
Each user story has one associated task that defines the implementation work.

The screenshot shows the Azure DevOps interface for the same project, displaying a list of tasks. The table below represents the data shown in the screenshot:

ID	Title	Assigned To	State	Area Path
72	Create CD Pipeline for Output Deployment	Srilakshmi K	New	Retail_Inve
71	Configure CI Pipeline for ETL Job	Srilakshmi K	New	Retail_Inve
70	Create Regional Sales Summary	Srilakshmi K	New	Retail_Inve
69	Save Transformed Data Automatically	Srilakshmi K	New	Retail_Inve
68	Implement Data Cleaning and Transformation	Srilakshmi K	New	Retail_Inve
67	Join Sales and Inventory DataFrames	Srilakshmi K	New	Retail_Inve
66	Upload and Verify Source Data	Srilakshmi K	New	Retail_Inve
65	Maintain Consistent Naming and Setup	Srilakshmi K	New	Retail_Inve
64	Create and Track Tasks in Azure DevOps	Srilakshmi K	New	Retail_Inve
63	Export Aggregated Results	Srilakshmi K	New	Retail_Inve

Step 5: Final Board View

All Epics, Features, User Stories, and Tasks are linked and visible in the Azure DevOps Boards view for easy progress tracking.



Conclusion

The project structure in Azure DevOps helps track progress efficiently, ensures collaboration among team members, and supports automation through CI/CD pipelines. This structured setup reflects a professional DevOps workflow.