Retail Sales Performance Dashboard

Week 5 Assignment

Step 1: Create new project

ashwinharishp   + New project

Projects   My work items   My pull requests   ≡ Filter projects

| H | HexaProjectSample | CA | Capstone Assignment | H | hexaCICD |
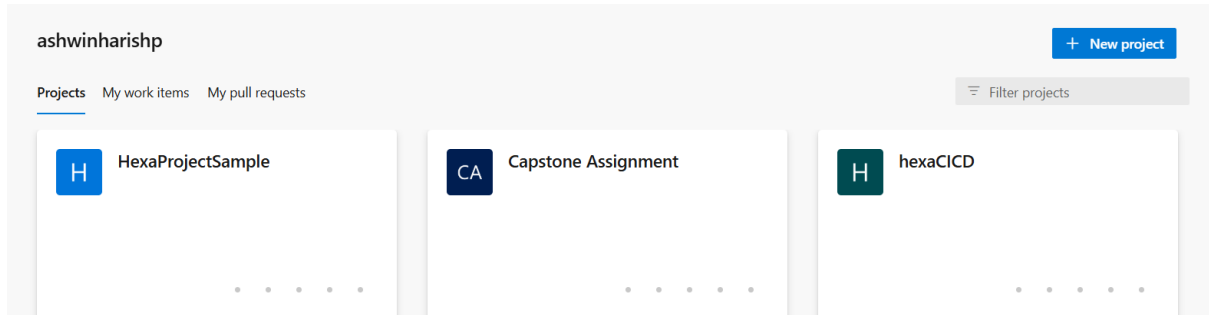
Step2: Enter project name and choose agile. Then click create

Create new project   ✕

Project name *

Retail Sales Performance Dashboard

Description

Visibility

| ⊕ Public | ⊟ Private ⦿ |
| Anyone on the internet can view the project. Certain features like TFVC are not supported. | Only people you give access to will be able to view this project. |

∧ Advanced

Version control ⓘ

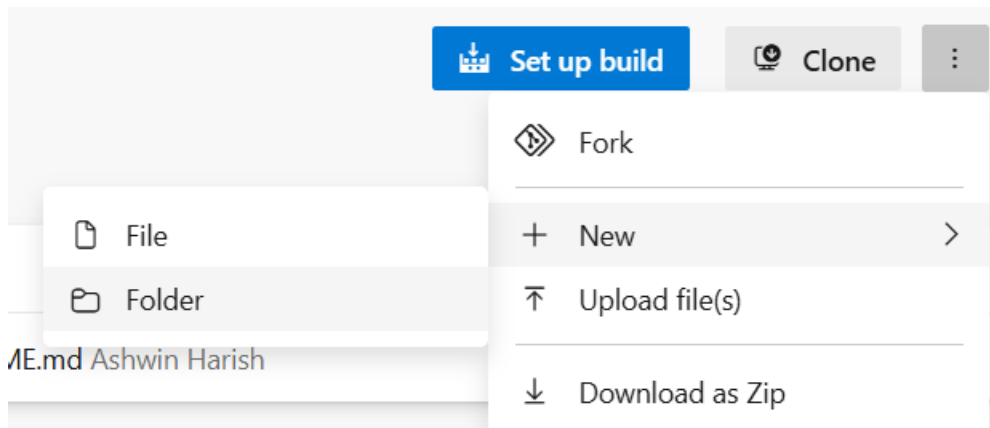Git ∨

Work item process ⓘ

Agile ∨

Cancel   Create

Step 3: Click Repo -> Files -> Initialize. Then click New -> Folder

Step 4: Create new folder

New folder

New folder name

| / | Retail Sales Performance Dashboard |

Use slashes to create multiple subfolders like "sub/folder".

New file name

Readme.md

Git folders cannot be empty, so a placeholder file will be added. Its content can be edited before commit.

Cancel   Create

Readme.md file code

```
1  ### Capstone Tasks
2  - Create a pipeline that runs the full analysis weekly
3  - Output results to a CSV or log file-
4  Add a step to email or log top 5 lowest performing stores
5
6  ### Deliverables
7  - YAML pipeline file
8  - Output file showing key sales insights
9
```

Step 5: Now Upload ipynb file

Commit   ✕

Drag and drop files here or click browse   **Browse...**

Retail_sales_performance_dashboard.ipynb
31.5 KB   remove

Comment

Added Retail_sales_performance_dashboard.ipynb to /Retail Sales
Performance Dashboard

Branch name

main

Work items to link

Search work items by ID or title   ⌄

Cancel   **Commit**

Step 6: Create .yml file

New file

New file name

| /Retail Sales Performance D... | Retail_sales_performance.yml |

Use slashes to create multiple subfolders like "sub/folder".

[Cancel] [Create]

.yml file code

```yaml
1  trigger: none
2
3  schedules:
4    - cron: "0 5 * * 1"
5      displayName: Weekly Retail Sales Analysis
6      branches:
7        include:
8          - main
9      always: true
10
11 pool:
12   vmImage: ubuntu-latest
13
14 jobs:
15 - job: run_sales_analysis
16   displayName: Run Weekly Retail Sales Performance Dashboard
17   steps:
18
19     - task: UsePythonVersion@0
20       inputs:
21         versionSpec: '3.10'
22       displayName: "Set up Python 3.10"
23
24     - script: |
25         pip install pyspark delta-spark
26       displayName: "Install Dependencies"
27
28     - script: |
29         python Retail_sales_performance_dashboard.py
30       displayName: "Run Retail Sales Analysis Script"
31
32     - task: PublishBuildArtifacts@1
```

```
32        - task: PublishBuildArtifacts@1
33          inputs:
34            PathtoPublish: 'reports'
35            ArtifactName: 'weekly_sales_reports'
36            publishLocation: 'Container'
37          displayName: "Publish Sales Reports"
38
```

Step 7: Give commit

Directory Structure

Name ↑	Last change	Commits
📁 Retail Sales Performance Dashboard	Just now	0af11bad Added Retail_sales_performance_dashboard.ipynb to /Retail Sales Performance D... A...

Name ↑	Last change	Commits
M↓ Readme.md	11m ago	3e745981 Added Readme.md Ashwin Harish
📄 Retail_sales_performance_dashboard.ipynb	Just now	0af11bad Added Retail_sales_performance_dashboard.ipynb to /Retail Sales Performance D... A...
📄 Retail_sales_performance.yml	2m ago	4ae5bdda Added Retail_sales_performance.yml Ashwin Harish

Capstone Tasks
- Create a pipeline that runs the full analysis weekly
- Output results to a CSV or log file-
  Add a step to email or log top 5 lowest performing stores

Deliverables
- YAML pipeline file
- Output file showing key sales insights

Step 8: Click set up build

Files

    🏗 Set up build   📄 Clone ⋮

Contents History

Name ↑	Last change	Commits
📁 Retail Sales Performance Dashboard	Just now	0af11bad Added Retail_sales_performance_dashboard.ipynb to /Retail Sales Performance D... A...

Step 9: Choose Existing Azure Pipelines YAML File

Configure your pipeline

Starter pipeline
Start with a minimal pipeline that you can customize to build and deploy your code.

Existing Azure Pipelines YAML file
Select an Azure Pipelines YAML file in any branch of the repository.

Step 10: Choose path and click continue

Select an existing YAML file ✕

Select an Azure Pipelines YAML file in any branch of the repository.

Branch

⑆ main ⌄

Path

/Retail Sales Performance Dashboard/Retail_sales_performanc... ⌄

Select a file from the dropdown or type in the path to your file

Cancel   **Continue**

Step 11: Now click Run

✓ Connect   ✓ Select   ✓ Configure   **Review**

New pipeline

Review your pipeline YAML   Variables   **Run** ⌄

Now the pipeline gets triggered

Jobs

❌ Run Weekly Retail Sales Perf...

✓ Report build status   <1s

❌ **Run Weekly Retail Sales Performance Dashboard**

1   ##[error]No hosted parallelism has been purchased or granted. To request a free p
2   Pool: Azure Pipelines
3   Image: ubuntu-latest
4   Started: Just now
5   Duration: 16s
6
7 ▶ Job preparation parameters