

EXP NO: 1

AZURE DEVOPS ENVIRONMENT SETUP

Aim:

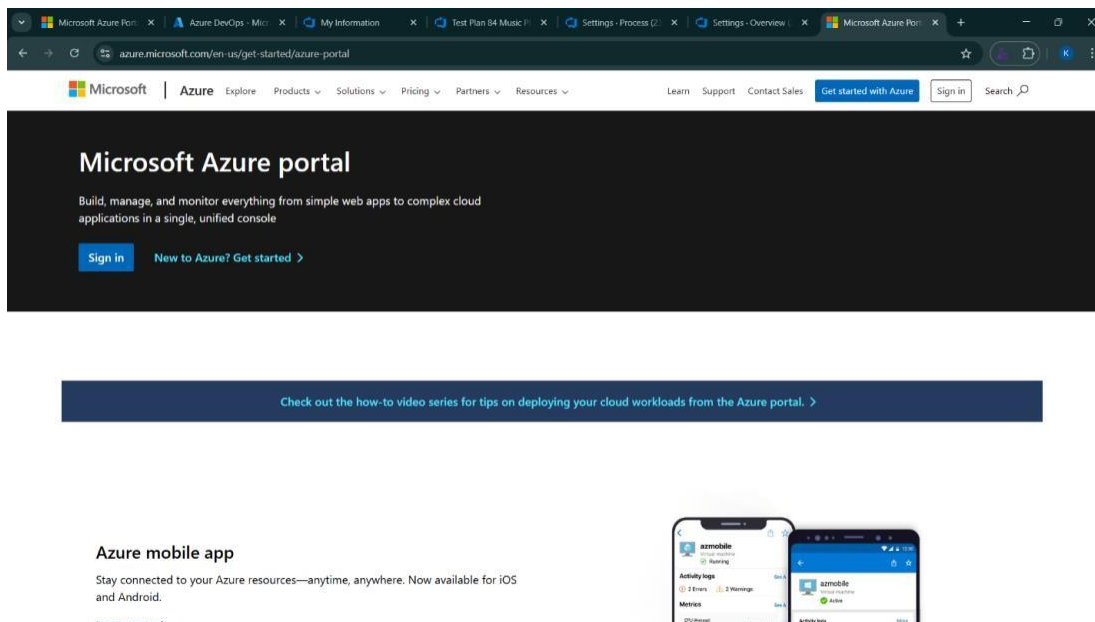
To set up and access the Azure DevOps environment by creating an organization through the Azure portal.

INSTALLATION

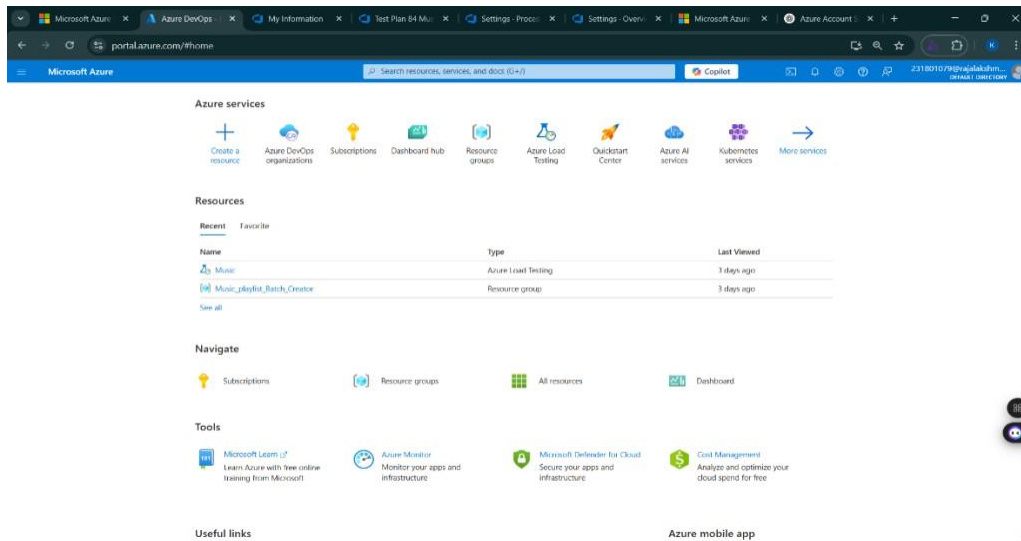
1. Open your web browser and go to the Azure website: <https://azure.microsoft.com/en-us/get-started/azure-portal>.

Sign in using your Microsoft account credentials.

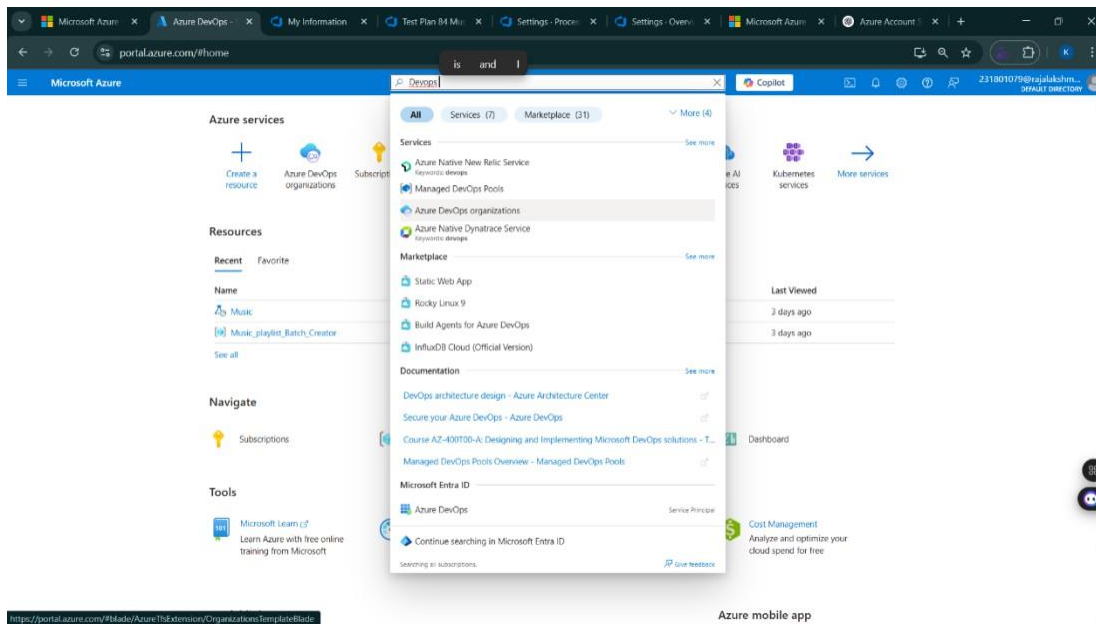
If you don't have a Microsoft account, you can create one here: <https://signup.live.com/?lic=1>



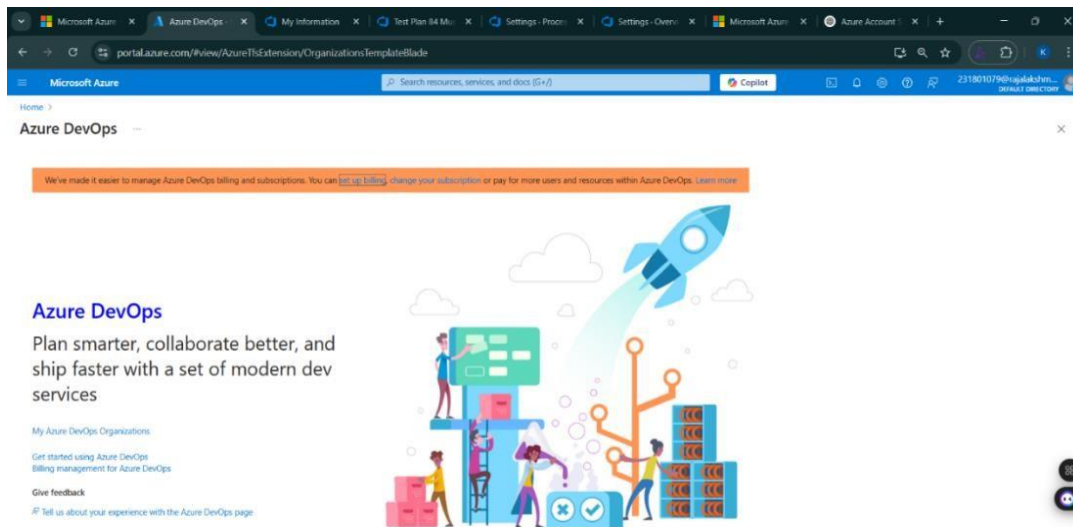
2. Azure home page



3. Open DevOps environment in the Azure platform by typing *Azure DevOps Organizations* in the search bar.



4. Click on the **My Azure DevOps Organization** link and create an organization and you should be taken to the Azure DevOps Organization Home page.



Result:

Successfully accessed the Azure DevOps environment and created a new organization through the Azure portal.

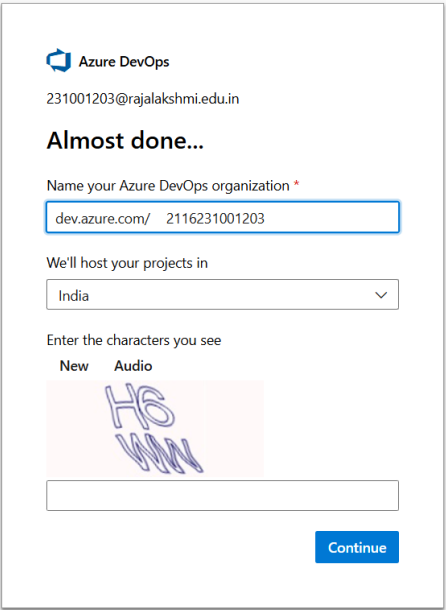
EXP NO: 2

AZURE DEVOPS PROJECT SETUP AND USER STORY MANAGEMENT

Aim:

To set up an Azure DevOps project for efficient collaboration and agile work management.

1. Create An Azure Account



Azure DevOps

231001203@rajalakshmi.edu.in

Almost done...

Name your Azure DevOps organization *

dev.azure.com/ 2116231001203

We'll host your projects in

India

Enter the characters you see

New Audio

H6 WNN

Continue

2. Create the First Project in Your Organization

- After the organization is set up, you'll need to create your first **project**. This is where you'll begin to manage code, pipelines, work items, and more.
- On the organization's **Home page**, click on the **New Project** button.
- Enter the project name, description, and visibility options:
 - Name:** Choose a name for the project (e.g., **LMS**).
 - Description:** Optionally, add a description to provide more context about the project.
 - Visibility:** Choose whether you want the project to be **Private** (accessible only to those invited) or **Public** (accessible to anyone).
- Once you've filled out the details, click **Create** to set up your first project.

Create new project



Project name *

Batch Data Analysis and Visualizations

Description

Visibility



Public

Anyone on the internet can view the project. Certain features like TFVC are not supported.



Private

Only people you give access to will be able to view this project.



Public projects are disabled for your organization. You can turn on public visibility with [organization policies](#).

^ Advanced

Version control ?

Git



Work item process ?

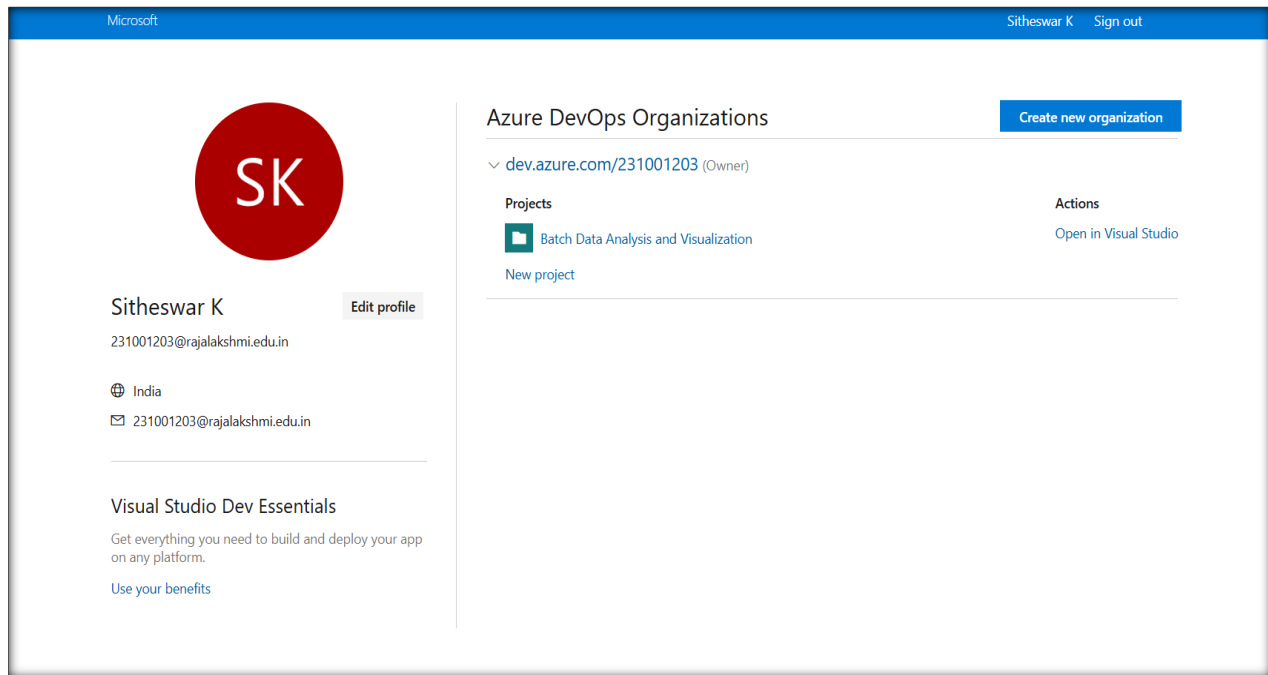
Agile



Cancel

Create

3. Once logged in, ensure you are in the correct organization. If you're part of multiple organizations, you can switch between them from the top left corner (next to your user profile). Click on the Organization name, and you should be taken to the Azure DevOps Organization Home page.



4. Project dashboard

Azure DevOps231001203 / Batch Data Analysis and Vis... / Overview / Summary

Batch Data Analysis an... +

Overview

Summary

Dashboards

Wiki

Boards

Repos

Pipelines

Test Plans

Artifacts

BVBatch Data Analysis and Visualization

PrivateInvite

About this projectLike 0

The Batch Data Analysis and Visualization project is designed to streamline the process of uploading, cleaning, transforming, analyzing, and visualizing large batches of data. This tool serves both data analysts and business intelligence teams, allowing them to efficiently manage data, gain insights, and create reports. The project also includes user management and data security to ensure that sensitive information is handled properly.

The system supports multiple data formats (CSV, JSON, Excel) and is designed to work with large datasets. Users can upload, clean, process, visualize, and export data in a structured and secure manner, enabling better decision-making and deeper insights.

Key Features and Functionalities

1. Data Upload and Processing

Data Upload: The system allows users to upload batch data in multiple formats (CSV, JSON, Excel). This flexibility ensures the tool can handle various input sources commonly used in data workflows.

Validation: Upon upload, the system checks the format of the files, ensuring that only supported formats are processed.

File Storage: Once validated, the uploaded files are stored securely, ensuring that users can revisit them or use them for further processing.

2. Data Cleaning and Preprocessing

Handling Missing Data: The system automatically detects missing values and provides options to fill, drop, or notify users.

Duplicate Removal: Any duplicate entries in the data are automatically detected and removed to ensure data accuracy.

Project statsPeriod: Last 7 days

Boards

0 Work items

0 Work items

Members5

2

SK

2

S

2

5. To manage user stories:

a. From the **left-hand navigation menu**, click on **Boards**. This will take you to the main **Boards** page, where you can manage work items, backlogs, and sprints.

b. On the **work items** page, you'll see the option to **Add a work item** at the top. Alternatively, you can find a + button or **Add New Work Item** depending on the view you're in. From the **Add a work item** dropdown, select **User Story**. This will open a form to enter details for the new User Story.

Azure DevOps 231001203 / Batch Data Analysis and Vis... / Boards / Backlogs

Batch Data Analysis and Visualization Team

New Work Item View as Board Column Options

Backlog Analytics

Order	ID	Title	Assigned To	State	Tags
1	13	Column Operations		To Do	
	14	Change Data Types of Columns		To Do	
	15	Apply Bulk Transformations		To Do	
2	11	Cleaning Engine		To Do	
	12	Remove Duplicate Records		To Do	
+	3	Handle Large File Uploads		To Do	
	9	Manage Uploaded Files		To Do	
	10	Upload via Drag-and-Drop		To Do	

Planning

Drag and drop work items to include them in a sprint.

Batch Data Analysis and Visualization T

development team 5/1/2025 - 5/7/2025
Planned Effort: 0 5 working days

Sprint 1
No work scheduled yet

+ New Sprint

Search

Microsoft

Sign out

Sitheswar K

231001203@rajalakshmi.edu.in

[My Microsoft account](#)

[Switch directory](#)

Tags

Result:

Successfully created an Azure DevOps project with user story management and agile workflow setup.

EXP NO: 3

SETTING UP EPICS, FEATURES, AND USER STORIES FOR PROJECT PLANNING

Aim:

To learn about how to create epics, user story, features, backlogs for your assigned project.

Create Epic, Features, User Stories, Task

The screenshot shows the Azure DevOps interface for a project named 'Batch Data Analysis and Visualization Team'. The left sidebar contains navigation links: Overview, Boards, Work Items, Backlogs (selected), Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, Artifacts, and Project settings. The main area displays the 'Backlog' view with a table of work items. The table has columns for Order, ID, Title, Assigned To, State, and Tags. The work items are grouped into three epics: 'Column Operations' (items 13-15), 'Cleaning Engine' (items 11-12), and 'Handle Large File Uploads' (items 8-10). The right sidebar shows a 'Planning' panel with a 'Batch Data Analysis and Visualization T' sprint and a 'Sprint 1' section.

Order	ID	Title	Assigned To	State	Tags
1	13	Column Operations		To Do	
	14	Change Data Types of Columns		To Do	
	15	Apply Bulk Transformations		To Do	
2	11	Cleaning Engine		To Do	
	12	Remove Duplicate Records		To Do	
3	8	Handle Large File Uploads		To Do	
	9	Manage Uploaded Files		To Do	
	10	Upload via Drag-and-Drop		To Do	

1. Fill in Epics

The screenshot shows the Azure DevOps interface for a work item titled 'Manage uploaded file'. The left sidebar is the same as the previous screenshot. The main area displays the 'Work Items' view. The work item is in the 'To Do' state and is assigned to the 'Batch Data Analysis and Visualization' area. The 'Description' field is empty, and the 'Planning' section shows a priority of 2. The 'Related Work' section has a link to 'Add an existing work item as a parent'. The right sidebar shows a 'Details' panel with a 'Discussion' section.

Work Items | Back to Work Items

NEW EPIC *
Manage uploaded file

No one selected | 0 Comments | Add Tag | Save

State: To Do | Area: Batch Data Analysis and Visualization
Reason: Added to backlog | Iteration: Batch Data Analysis and Visualization\development team

Details | 0 | 0

Description
Click to add Description.

Planning
Priority: 2
Start Date: Select a date...
Target Date: Select a date...

Related Work
Add link
Add an existing work item as a parent

Discussion
Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.
switch to Markdown editor

2.Fill in Features

Azure DevOps

231001203

/ Batch Data Analysis and Vis...

/ Boards

/ Work items

Search

SK

Batch Data Analysis an...

+

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Artifacts

Project settings

Work Items

Back to Work Items

NEW EPIC *

Manage uploaded file

No one selected

0 Comments

Add Tag

Save

State

To Do

Area

Batch Data Analysis and Visualization

Reason

Added to backlog

Iteration

Batch Data Analysis and Visualization\development team

Details

0

0

Description

Click to add Description.

Discussion

SK

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Priority

2

Start Date

Select a date...

Target Date

Select a date...

Related Work

Add link

Add an existing work item as a parent

3.Fill in User Story Details

Azure DevOps

231001203

/ Batch Data Analysis and Vis...

/ Boards

/ Work items

Search

SK

Batch Data Analysis an...

+

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Artifacts

Project settings

Work Items

Back to Work Items

NEW EPIC *

Manage uploaded file

No one selected

0 Comments

Add Tag

Save

State

To Do

Area

Batch Data Analysis and Visualization

Reason

Added to backlog

Iteration

Batch Data Analysis and Visualization\development team

Details

0

0

Description

Click to add Description.

Discussion

SK

Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.

switch to Markdown editor

Planning

Priority

2

Start Date

Select a date...

Target Date

Select a date...

Related Work

Add link

Add an existing work item as a parent

Result:

Thus, the creation of epics, features, user story and task has been created successfully.

EXP NO: 4

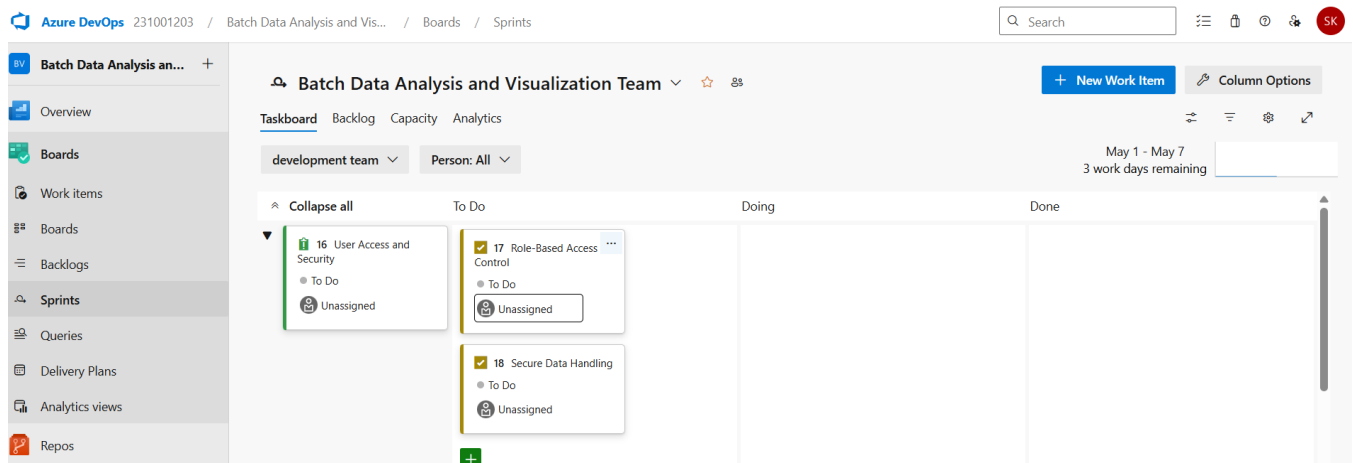
SPRINT PLANNING

Aim:

To assign user story to specific sprint for the Music Playlist Batch Creator Project.

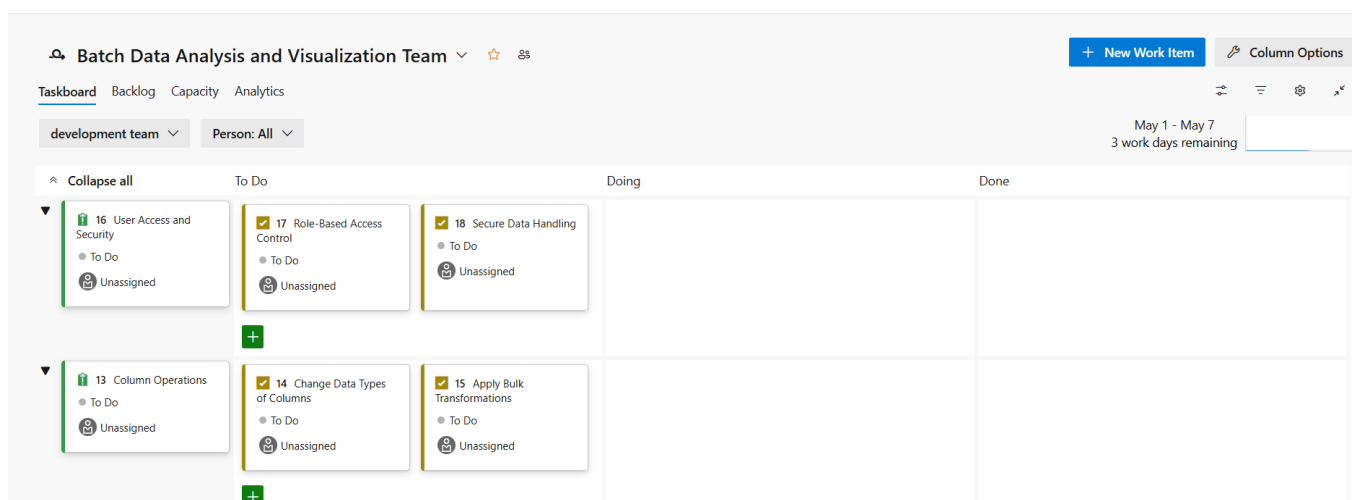
Sprint Planning

Sprint 1



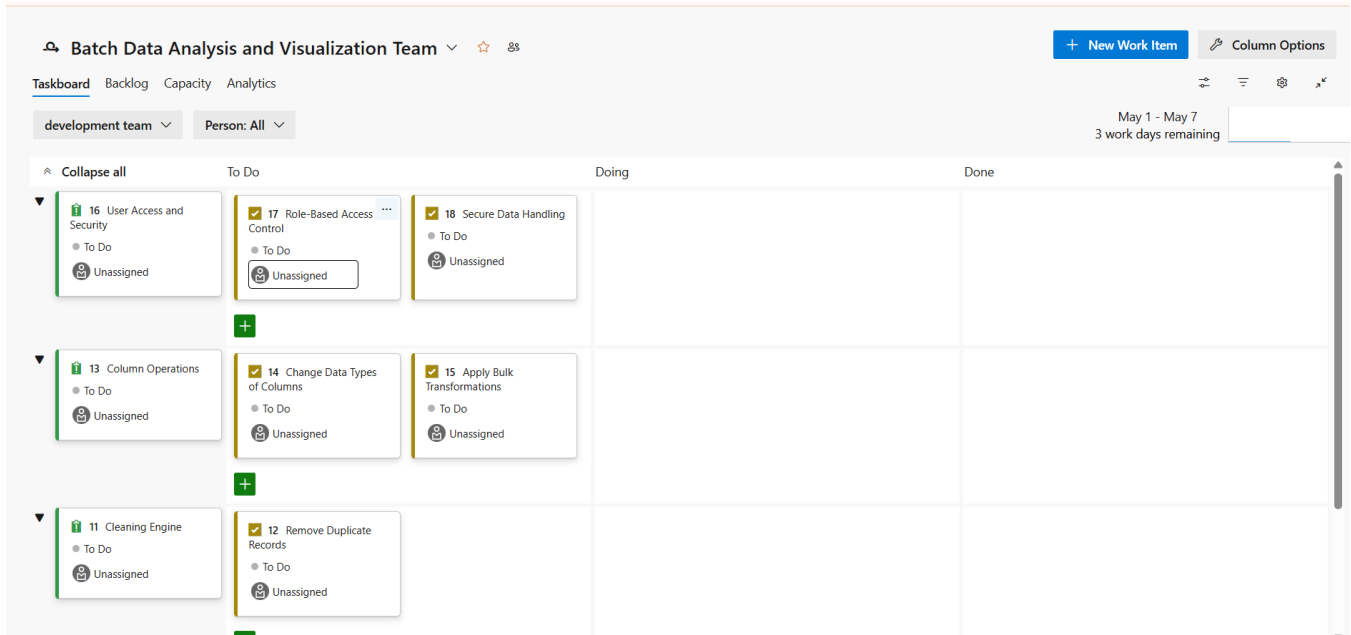
The screenshot shows the Azure DevOps interface for a team named "Batch Data Analysis and Visualization Team". The left sidebar contains navigation links for Overview, Boards, Work items, Backlogs, Sprints (selected), Queries, Delivery Plans, Analytics views, and Repos. The main area displays a Kanban board for the "development team" with columns: To Do, Doing, and Done. The "To Do" column contains three items: "16 User Access and Security", "17 Role-Based Access Control", and "18 Secure Data Handling". All items are marked as "To Do" and "Unassigned". The board header indicates the sprint duration is "May 1 - May 7" with "3 work days remaining".

Sprint 2

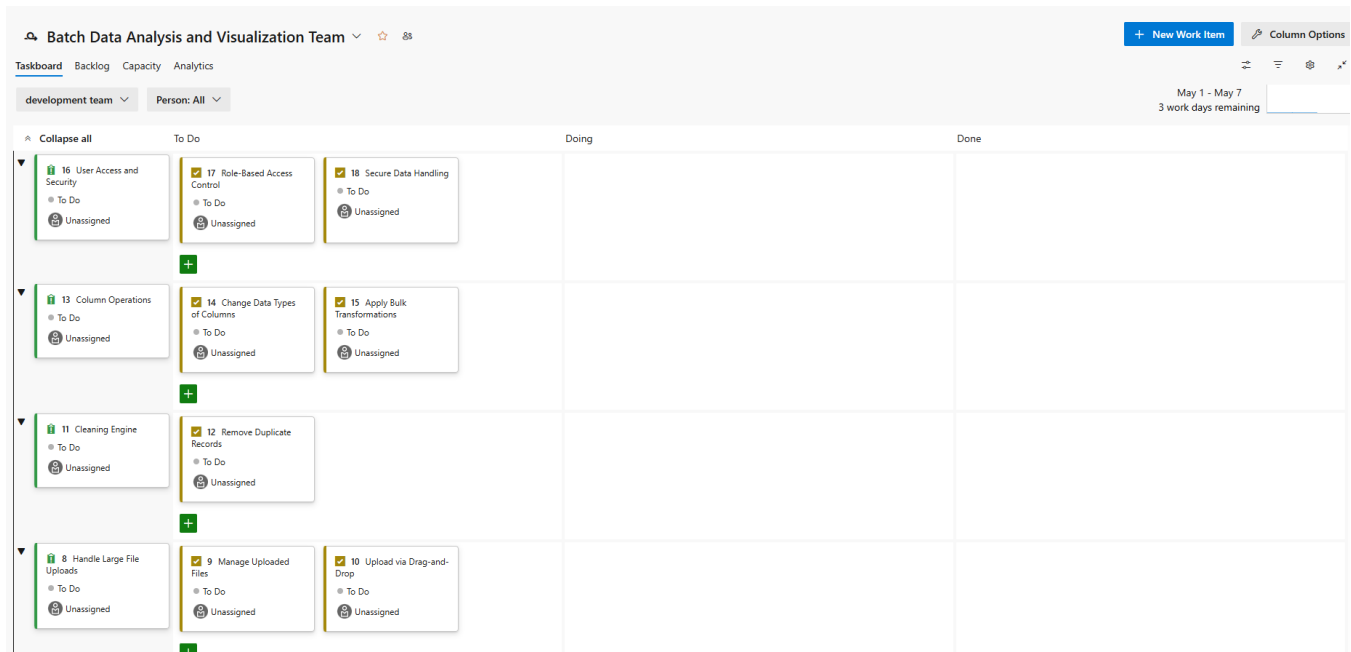


The screenshot shows the same Azure DevOps interface for the "Batch Data Analysis and Visualization Team". The main area displays a Kanban board for the "development team" with columns: To Do, Doing, and Done. The "To Do" column contains six items: "16 User Access and Security", "17 Role-Based Access Control", "18 Secure Data Handling", "13 Column Operations", "14 Change Data Types of Columns", and "15 Apply Bulk Transformations". All items are marked as "To Do" and "Unassigned". The board header indicates the sprint duration is "May 1 - May 7" with "3 work days remaining".

Sprint 3



Sprint 4



Result:

The Sprints are created for the Music Playlist Batch Creator Project.

EXP NO: 5

POKER ESTIMATION

Aim:

Create Poker Estimation for the user stories - Music Playlist Batch Creator Project.

Poker Estimation

The screenshot displays the Azure DevOps interface for a project named 'Batch Data Analysis and Visualization'. The left sidebar shows the navigation menu with options like Overview, Boards, Work items, Backlogs, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, Artifacts, and Project settings. The main area shows a work item titled 'User Access and Security' with a state of 'To Do'. The work item details include a description, planning information (Priority 2, Start Date, Target Date), and a related work section. A comment box is visible at the bottom of the work item details.

Result:

The Estimation/Story Points is created for the project using Poker Estimation.

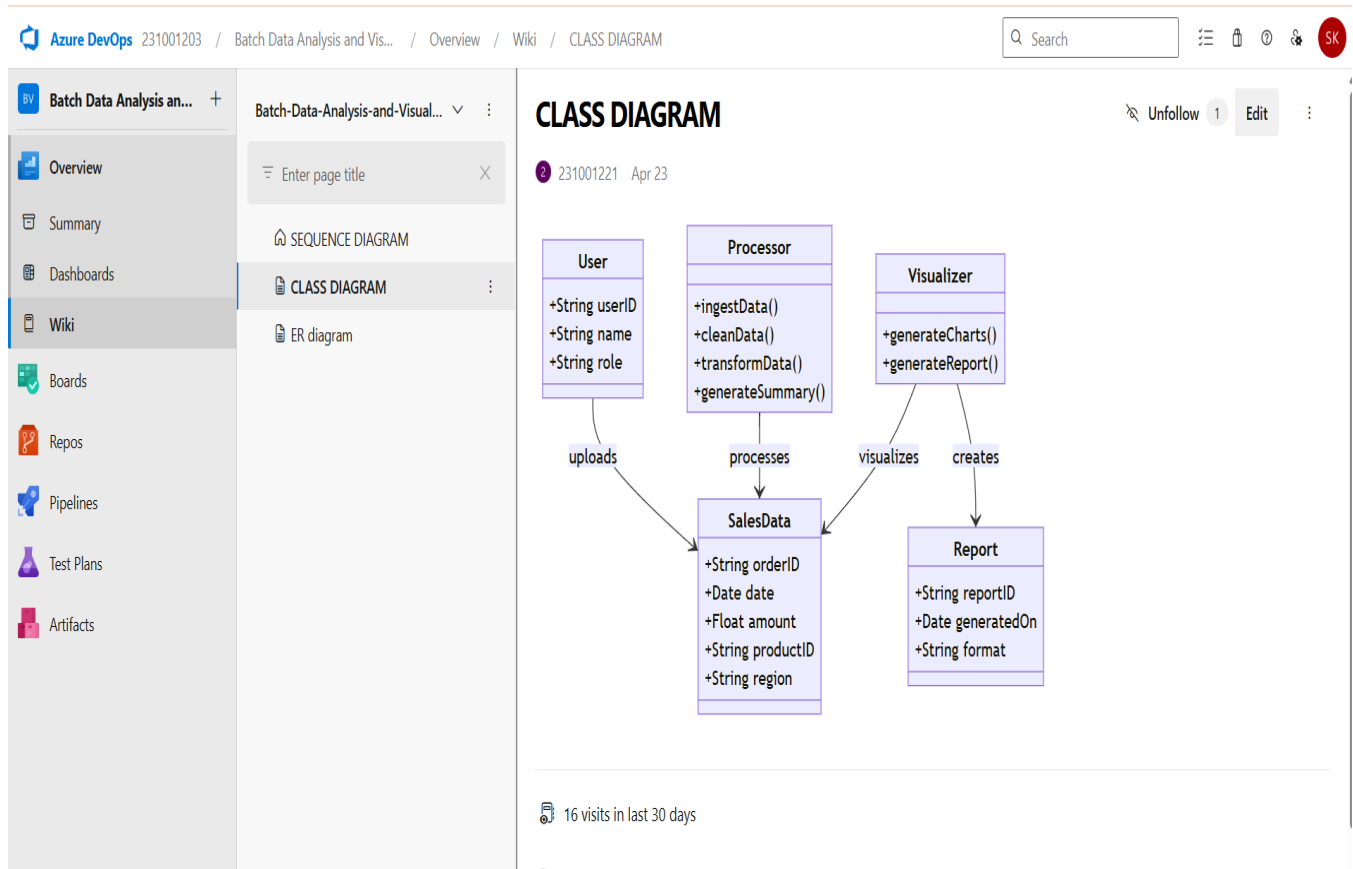
EXP NO: 6

DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR PROJECT ARCHITECTURE

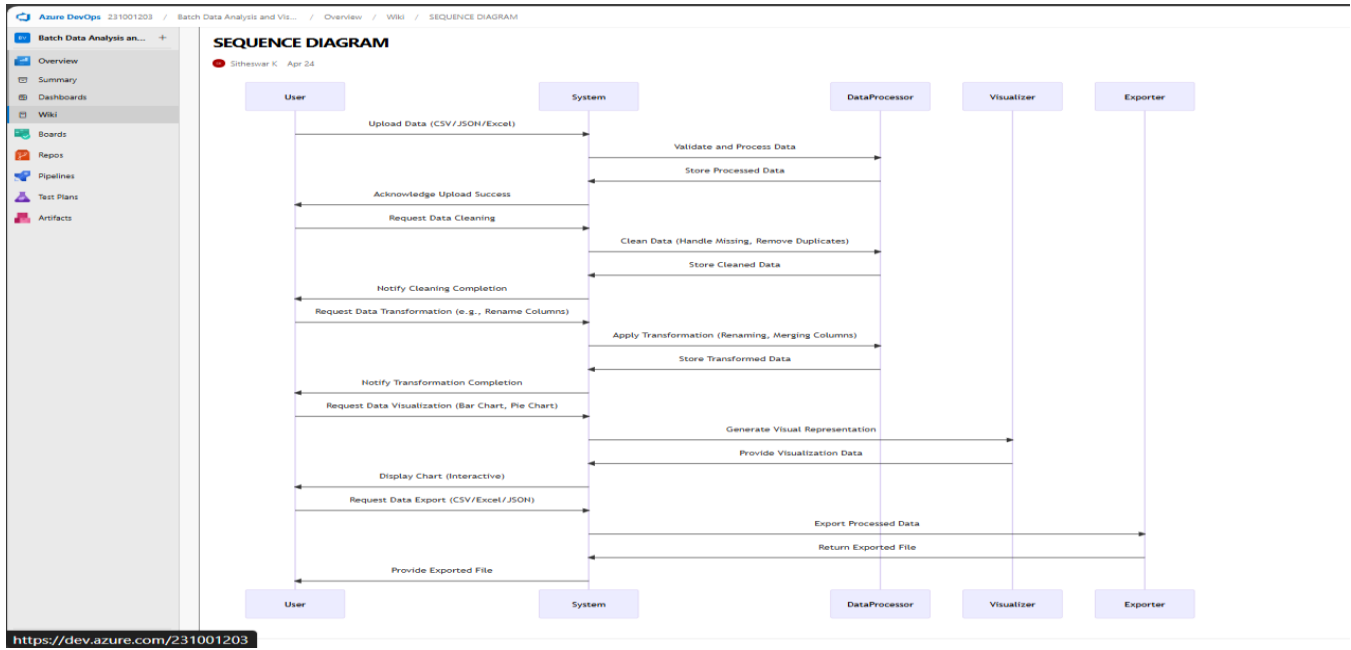
Aim:

To Design a Class Diagram and Sequence Diagram for the given Project.

6A. Class Diagram



6B. Sequence Diagram



Result:

The Class Diagram and Sequence Diagram is designed Successfully for the Music Playlist Batch Creator.

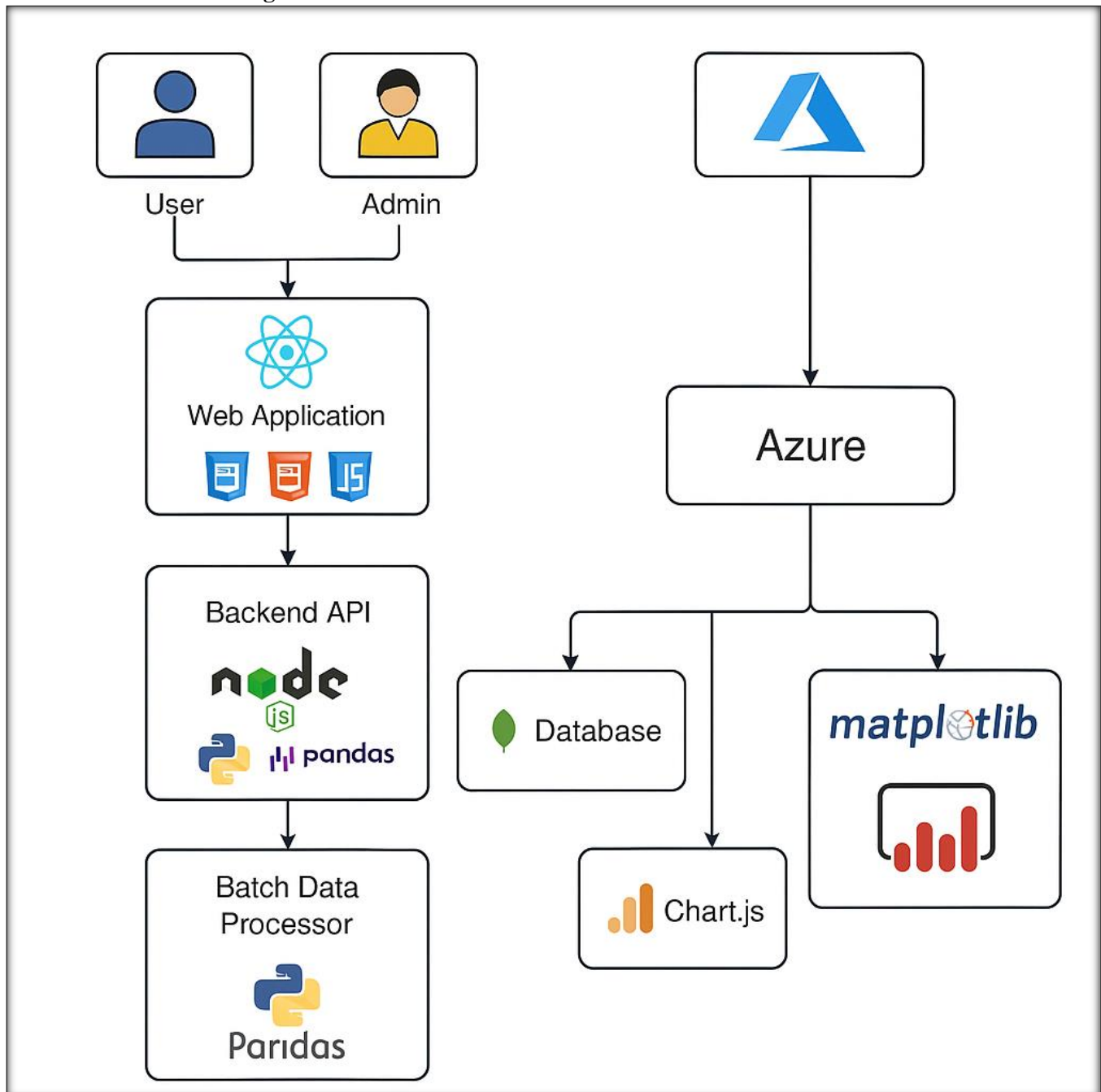
EXP NO: 7

DESIGNING ARCHITECTURAL AND ER DIAGRAMS FOR PROJECT STRUCTURE

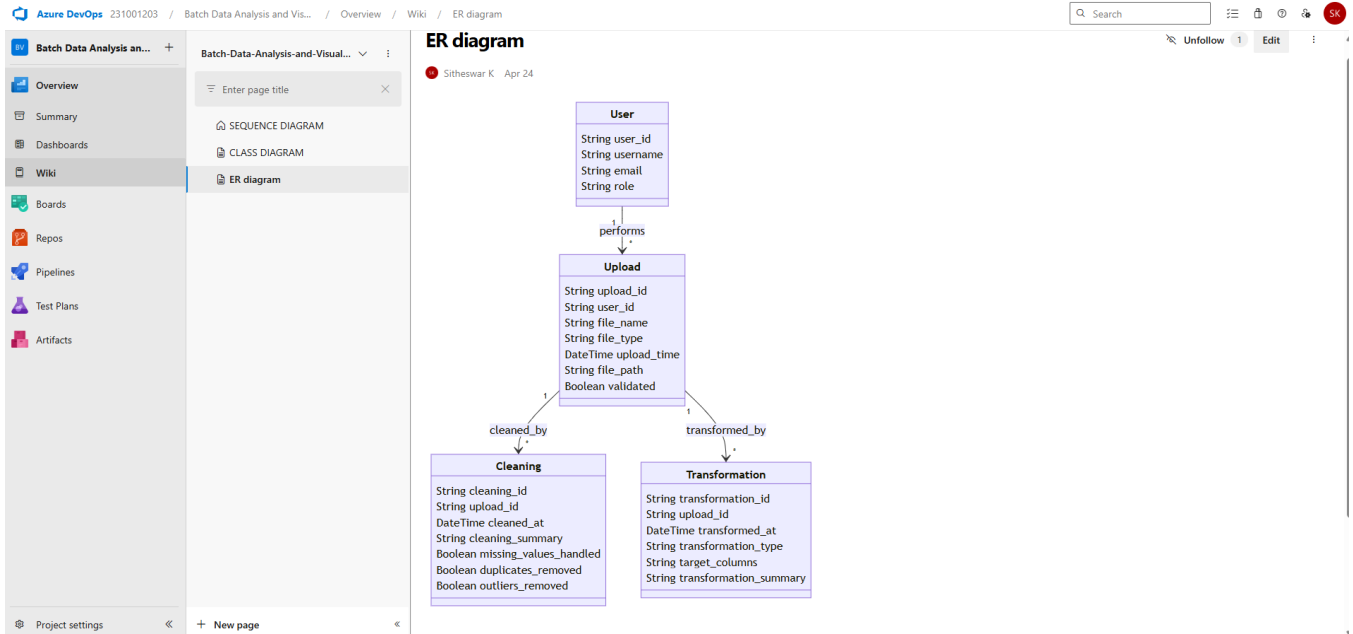
Aim:

To Design an Architectural Diagram and ER Diagram for the given Project.

7A. Architectural Diagram



7B.ER Diagram



Result:

The Architecture Diagram and ER Diagram is designed Successfully for the Music Playlist Batch Creator

EXP NO: 8

TESTING – TEST PLANS AND TEST CASES

Aim:

Test Plans and Test Case and write two test cases for at least five user stories showcasing the happy path and error scenarios in azure DevOps platform.

Test Planning and Test Case

1.New test plan

Azure DevOps 231001203 / Batch Data Analysis and Vis... / Test Plans

Search

Batch Data Analysis an... +

Overview

Boards

Repos

Pipelines

Test Plans

Test plans

Progress report

Parameters

Configurations

Runs

Artifacts

Project settings <<

New Test Plan

Name *

Batch Data Analysis and Visualization - Test Plan

Area Path *

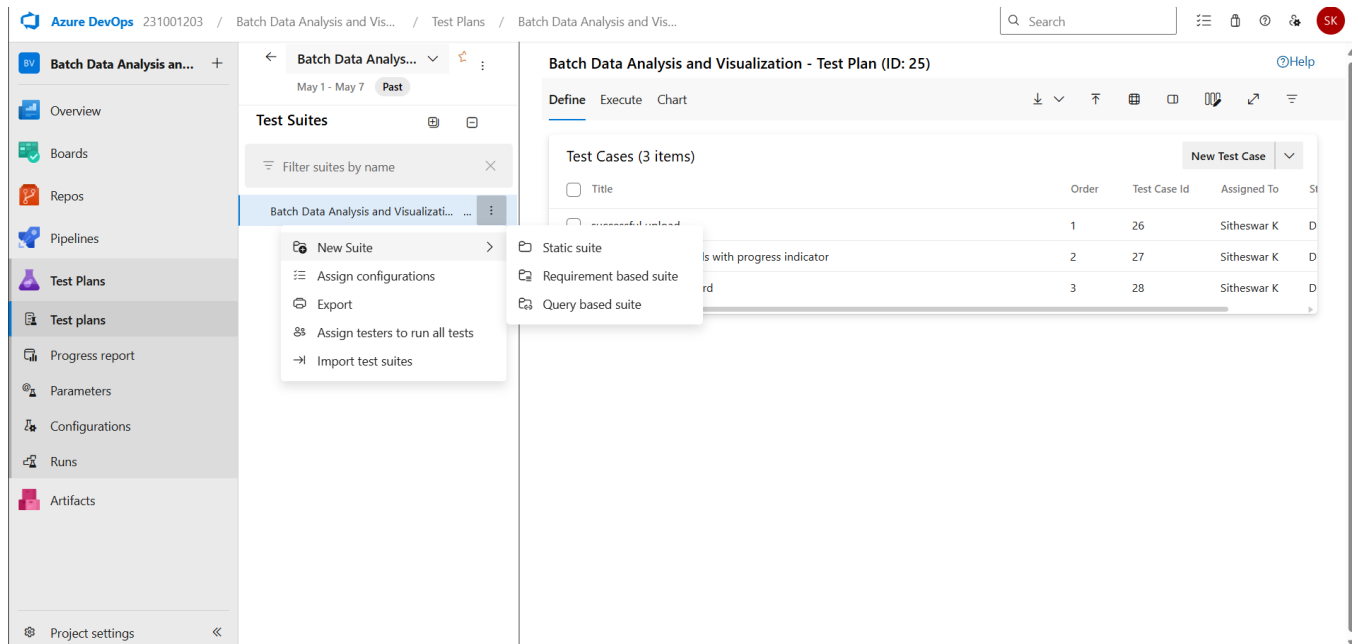
Batch Data Analysis and Visualization

Iteration *

Batch Data Analysis and Visualization\development team 5/1/2025 - 5/7/2025

Create Cancel

2. Test suite



USER STORIES

- **US01 (ID: 201):** As a user, I want to upload data files (CSV, JSON, etc.) for analysis.
- **US02 (ID: 202):** As a user, I want to view the uploaded data in tabular format.
- **US03 (ID: 203):** As a user, I want to visualize insights (charts, graphs) using various parameters.
- **US04 (ID: 204):** As an admin, I want to manage users and access controls.
- **US05 (ID: 205):** As a user, I want to download the analyzed data or charts

Test Suite: TS01 - Data Upload & Parsing (ID: 301)

TC01 – Successful CSV Upload

- **Action:**
 - Log in.
 - Go to upload section.
 - Select a valid CSV file and upload.
- **Expected:**
 - File uploads successfully, and data preview is shown.
- **Type: Happy Path**

TC02 – Upload with Unsupported Format

- **Action:**
 - Try uploading an XML file.
- **Expected:**
 - Error: "Unsupported file format."
- **Type: Error Path**

Test Suite: TS02 - Data Viewing (ID: 302)

TC03 – Display Uploaded Data

- **Action:**
 - Upload a valid CSV file.
 - Click “View Data”.
- **Expected:**
 - Table displays with correct rows and columns.
- **Type: Happy Path**

TC04 – View Without Upload

- **Action:**
 - Directly click “View Data” without any upload.
- **Expected:**
 - Error: "No data available. Please upload a file."
- **Type: Error Path**

Test Suite: TS03 - Visualization (ID: 303)

TC05 – Generate Chart from Data

- **Action:**
 - Upload data.
 - Select chart type (e.g., bar).
 - Select fields and click "Generate".
- **Expected:**
 - Chart displays based on selected fields.
- **Type: Happy Path**

TC06 – Chart Generation with Missing Input

- **Action:**
 - Upload data but don't select any field.
 - Click “Generate Chart”.
- **Expected:**
 - Error: "Select at least one field to visualize."
- **Type: Error Path**

Test Suite: TS04 - Admin User Management (ID: 304)

TC07 – Admin Access Dashboard

- **Action:**
 - Login as admin.
 - Go to "User Management".
- **Expected:**
 - List of registered users appears.
- **Type: Happy Path**

TC08 – Non-Admin Tries Admin Access

- **Action:**
 - Login as a normal user.
 - Attempt to access admin panel via URL.
- **Expected:**
 - Error: "Access Denied."
- **Type: Error Path**

Test Suite: TS05 - Data Download (ID: 305)

TC09 – Download Data as CSV

- **Action:**
 - After analysis, click “Download CSV”.
- **Expected:**
 - File downloads successfully.
- **Type: Happy Path**

TC10 – Download Without Analysis

- **Action:**
 - Click “Download CSV” before uploading any data.
- **Expected:**
 - Error: "No data available to download."
- **Type: Error Path**

Test Cases

NEW TEST CASE

export file failure

Sitheswar K 0 Comments Add Tag

Save and Close

State: Design Area: Batch Data Analysis and Visualization Reason: New Iteration: Batch Data Analysis and Visualization\development team

Steps

Steps	Action	Expected result	Attachments
Click or type here to add a step			

Deployment

To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

Development

Add link

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

Add link

[Add an existing work item as a parent](#)

TEST CASE 28

Visualization Dashboard

Sitheswar K 0 Comments Add Tag

Save and Close Follow

Updated by Sitheswar K: 4m ago

State: Design Area: Batch Data Analysis and Visualization Reason: New Iteration: Batch Data Analysis and Visualization\development team

Steps

Steps	Action	Expected result	Attachments
Click or type here to add a step			

Deployment

To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

Development

Add link


Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

Related Work

Add link

[Add an existing work item as a parent](#)


3. Installation of test

 Microsoft

Edge Add-ons

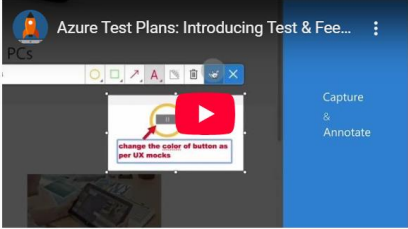
Discover Extensions Themes

Search extensions, themes, and more

 **Test & Feedback**
Extension | Microsoft Corporation
★★★★☆ (28) | 100,000+ Users | Developer tools

Get

Compatible with your browser



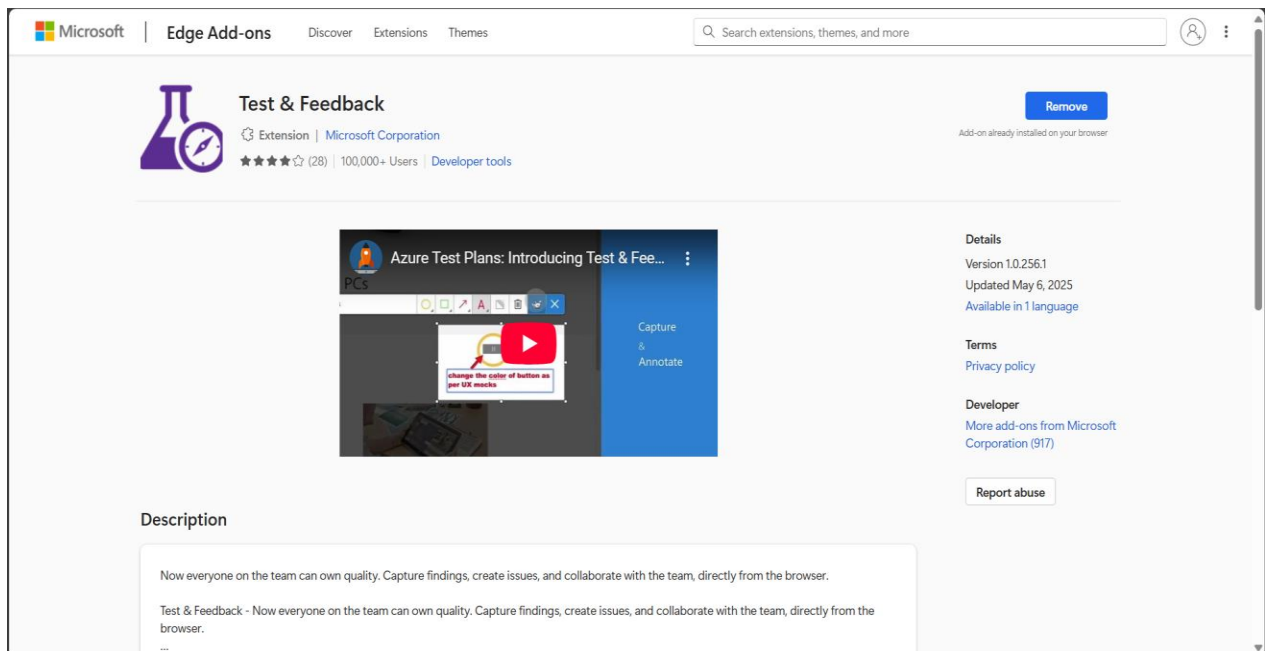
Details
Version 1.0.256.1
Updated May 6, 2025
Available in 1 language

Terms
[Privacy policy](#)

Developer
[More add-ons from Microsoft Corporation \(917\)](#)

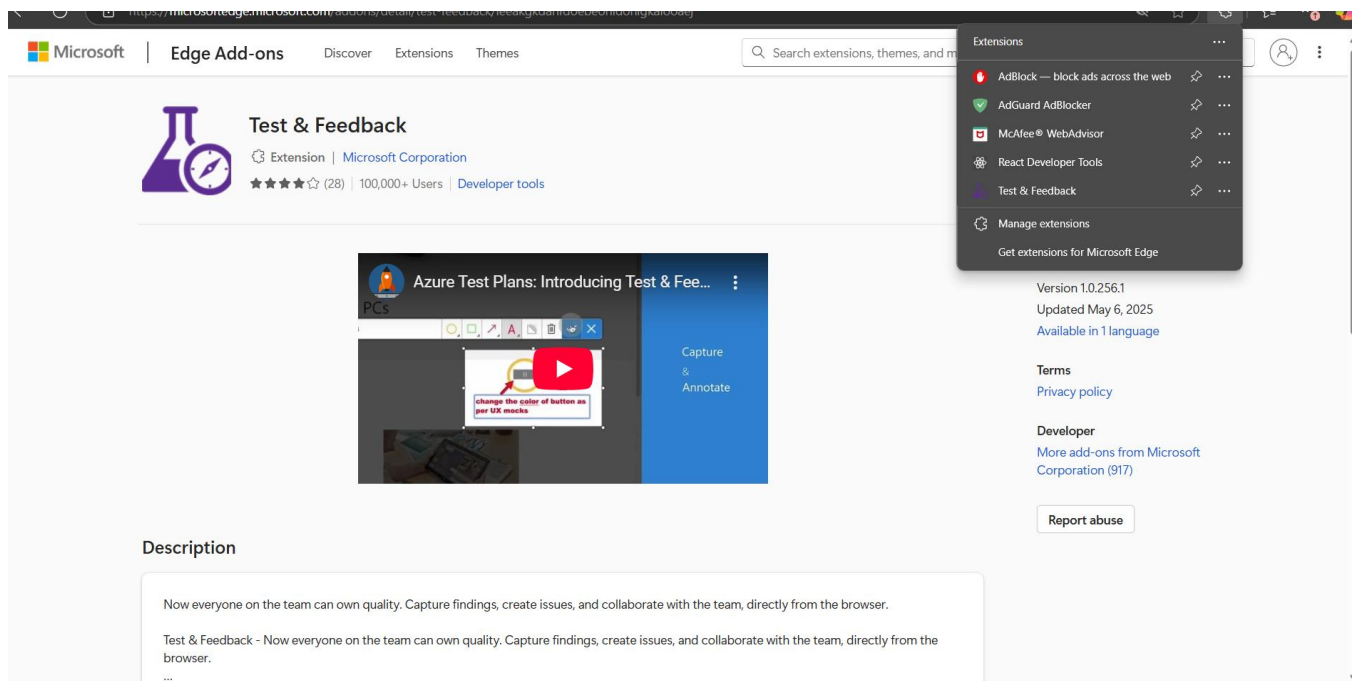
Report abuse

Description
Now everyone on the team can own quality. Capture findings, create issues, and collaborate with the team, directly from the browser.
Test & Feedback - Now everyone on the team can own quality. Capture findings, create issues, and collaborate with the team, directly from the browser.
...



Test and feedback

Showing it as an extension



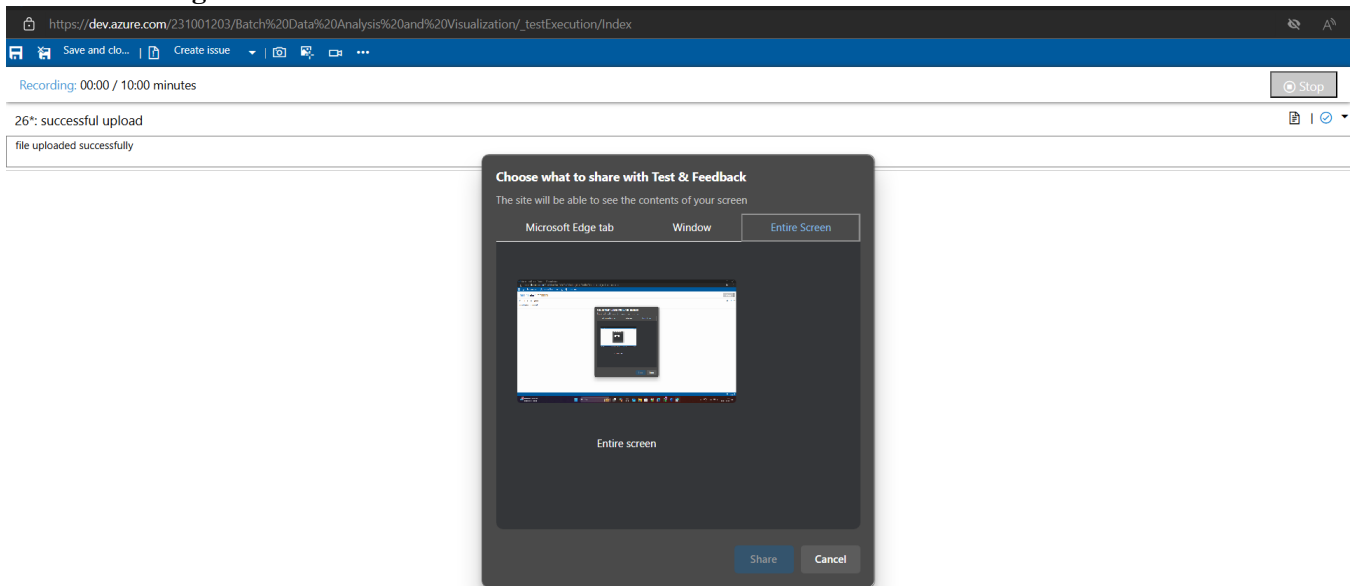
4. Running the test cases

The screenshot shows the Azure DevOps Test Plans interface. The left sidebar contains navigation links: Overview, Boards, Repos, Pipelines, Test Plans, Test plans, Progress report, Parameters, Configurations, Runs, and Artifacts. The main area displays the 'Batch Data Analysis and Visualization - Test Plan (ID: 25)'. The 'Test Suites' section shows a filter by name and a list of test suites. The 'Test Points (4 items)' table is visible, with the 'successful upload' test point selected. A context menu is open over the 'successful upload' test point, showing options: View execution history, Mark Outcome, Run, Reset test to active, Edit test case, and Assign tester. The 'Run' option is highlighted, and a sub-menu is open showing 'Run for web application', 'Run for desktop application', and 'Run with options'.

Title	Outcome	Order	Test Case Id
successful upload	Active	1	26
andle large file uploads with progress indicator	Active	2	27
Visualization Dashboard	Active	3	28
export file failure			29

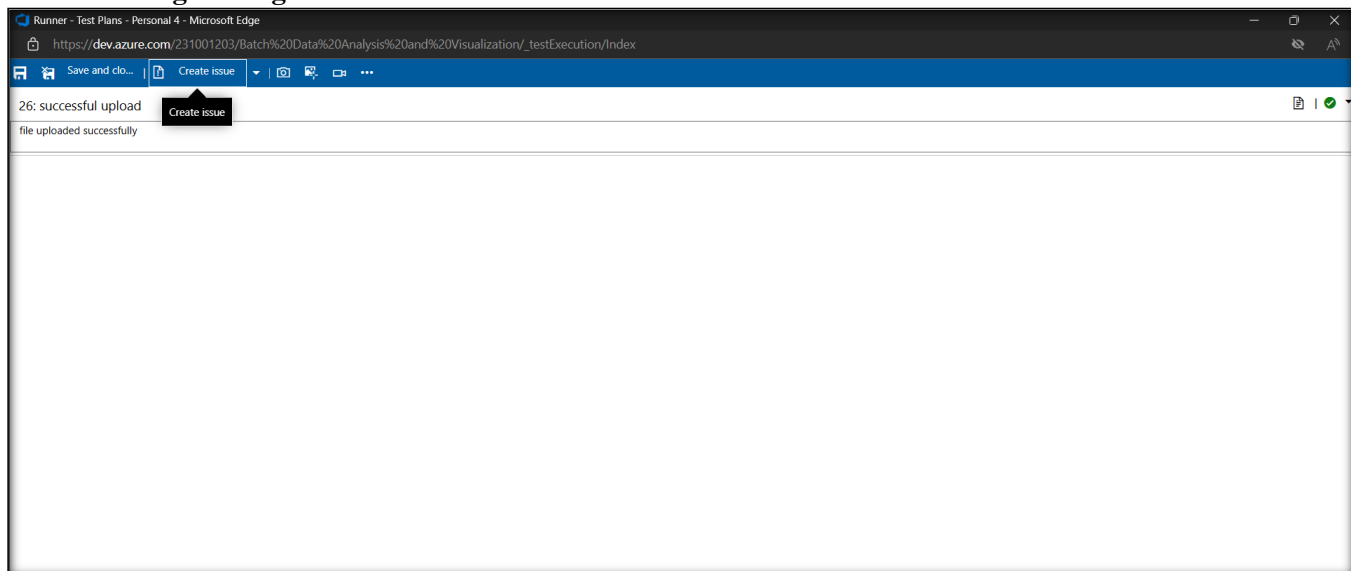
The screenshot shows the Azure DevOps Test Execution page. The browser address bar displays the URL: https://dev.azure.com/231001203/Batch%20Data%20Analysis%20and%20Visualization/_testExecution/index. The page title is 'Runner - Test Plans - Personal 4 - Microsoft Edge'. The main content area shows the test results for the 'successful upload' test case. The status is '26*: successful upload' and the message is 'file uploaded successfully'.

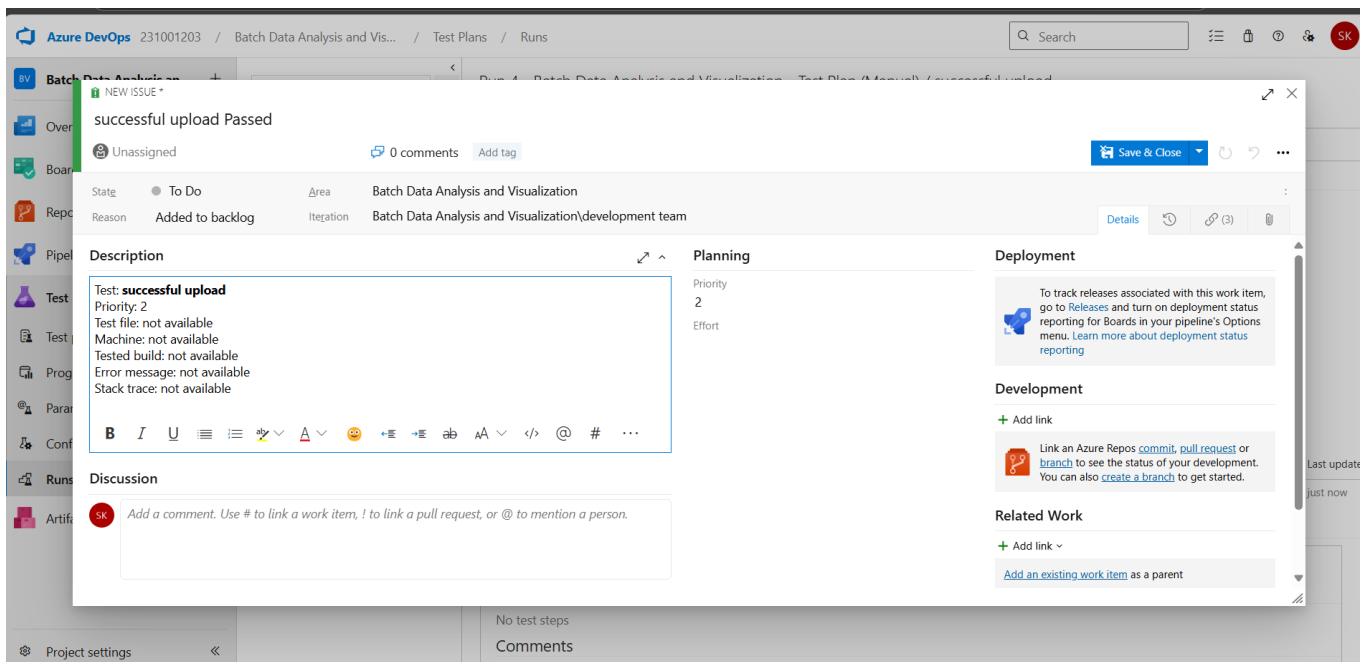
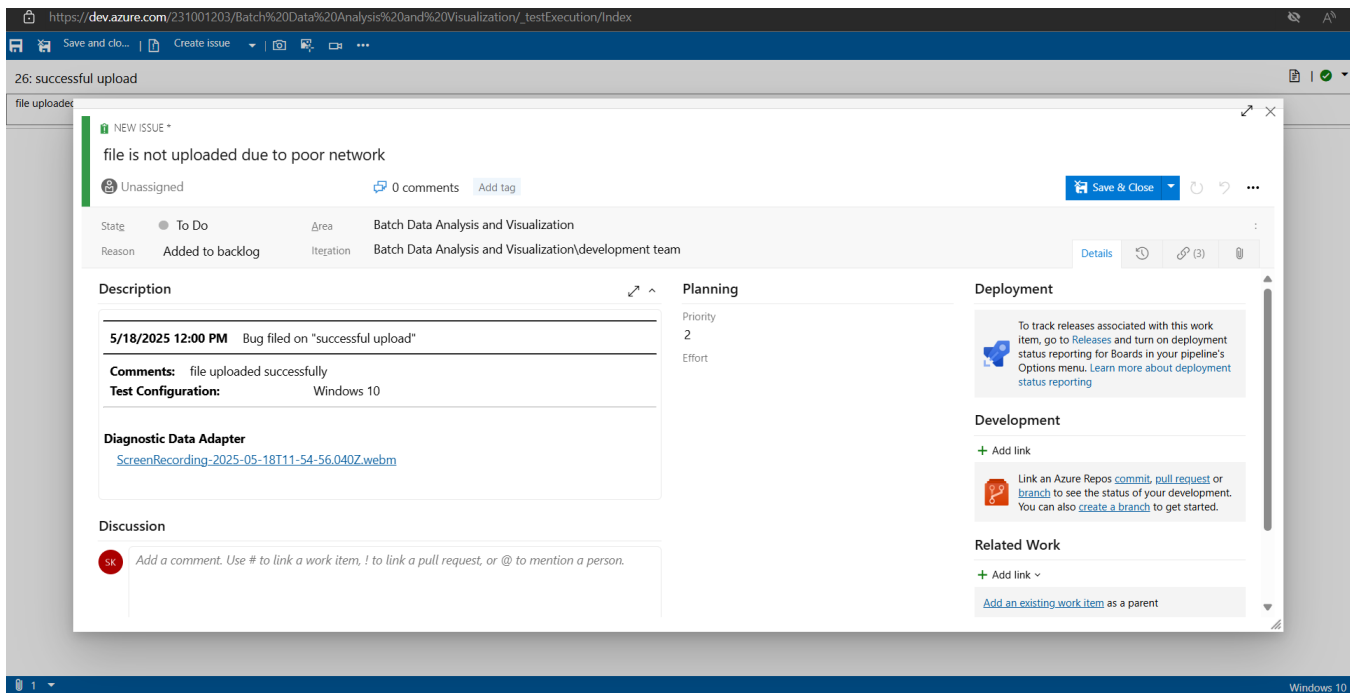
5. Recording the test case



Windows 10

6. Creating the bug





7. Test case results

The screenshot shows the Azure DevOps interface for a test plan named 'Batch Data Analysis and Visualization'. The left sidebar contains navigation links for Overview, Boards, Repos, Pipelines, Test Plans, Test plans, Progress report, Parameters, Configurations, Runs, and Artifacts. The main area displays the 'Test Suites' section with a filter by name. Below it, the 'Test Points (4 items)' are listed: 'successful upload' (checked), 'andle large file uploads with progress', 'Visualization Dashboard', and 'export file failure'. A modal window titled 'successful upload' is open, showing the 'Test Case Results' table.

Outcome	TimeSta...	Configuration	Run by	Tester	Test
Passed	Just now	Windows 10	Sitheswar K	Sitheswar K	Batc
In Progress	13m ago	Windows 10	Sitheswar K	Sitheswar K	Batc
Passed	8h ago	Windows 10	Sitheswar K	Sitheswar K	Batc

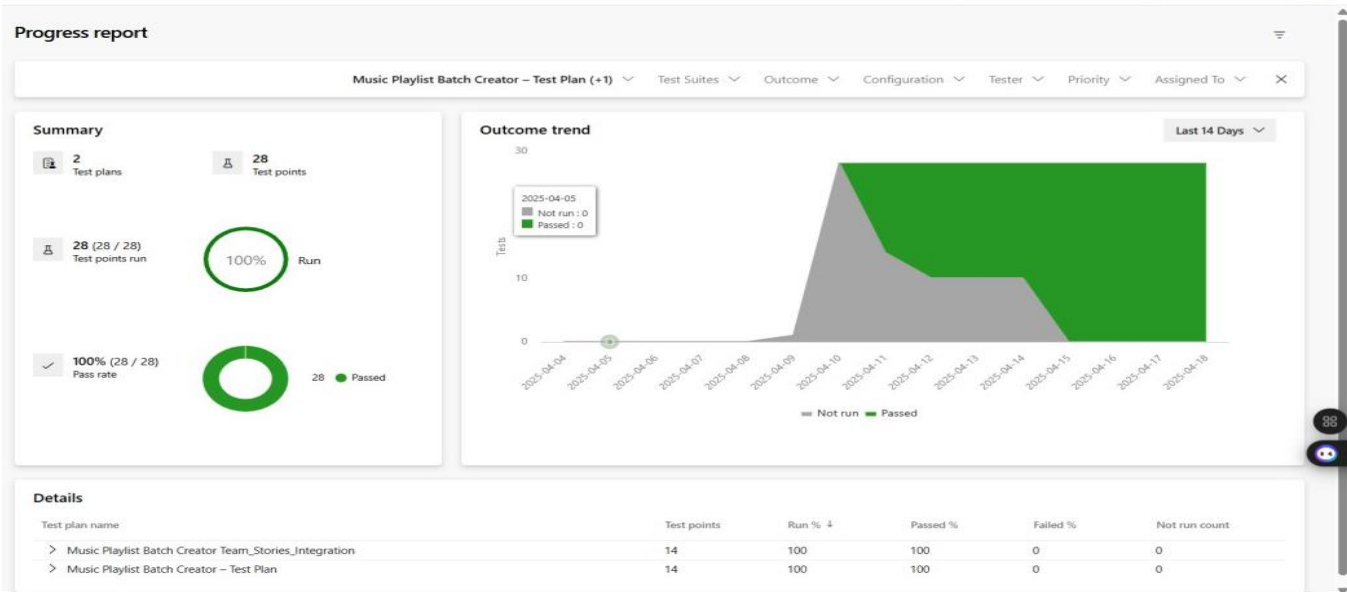
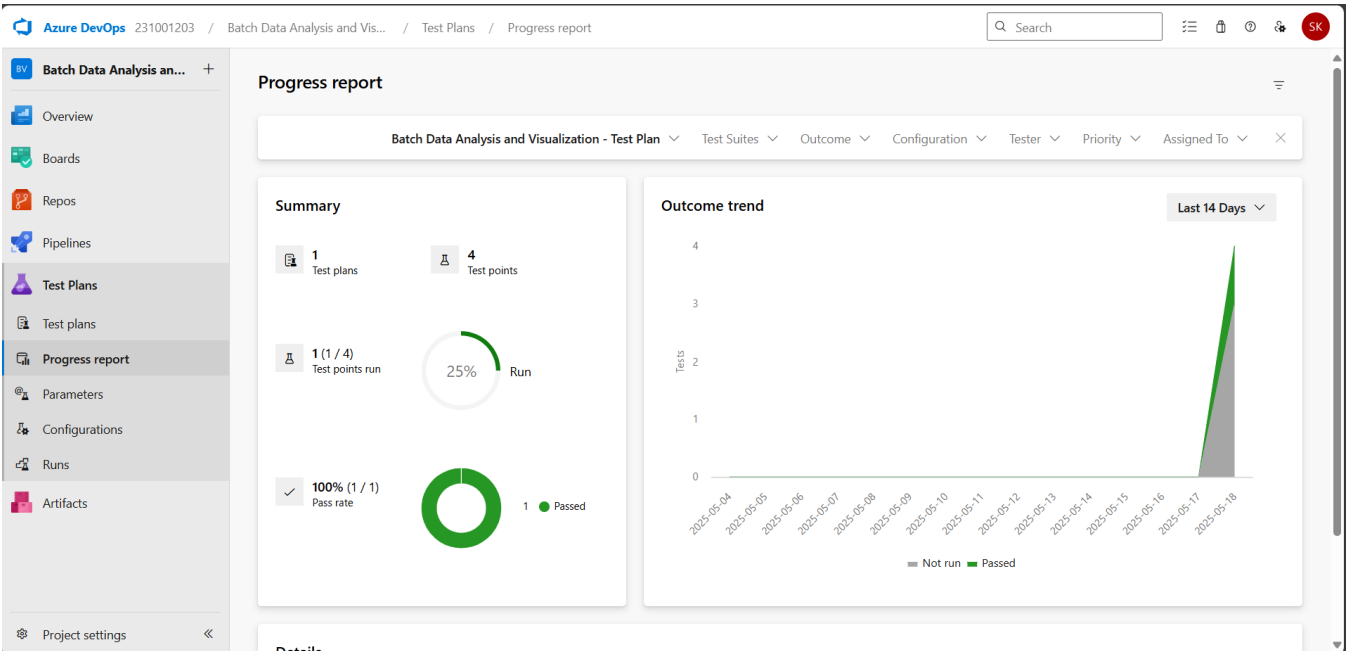
Below the table, there is a link: [Open execution history for current test point](#).

8. Test report summary

The screenshot shows the Azure DevOps interface for a work item titled 'Batch Data Analysis and Visualization'. The left sidebar contains navigation links for Overview, Boards, Work items, Boards, Backlogs, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, and Artifacts. The main area displays the 'Work items' section with a list of items. The selected item is a bug report with the title 'file is not uploaded due to poor network'. The 'State' is 'Done' and the 'Reason' is 'To Do'. The 'Description' field contains the text: '5/18/2025 12:00 PM Bug filed on "successful upload"'. The 'Comments' field contains the text: 'file uploaded successfully'. The 'Test Configuration' field contains the text: 'Windows 10'. The 'Diagnostic Data Adapter' field contains the text: 'ScreenRecording-2025-05-18T11-54-56.040Z.webm'. The 'Planning' section shows the 'Priority' as '2' and the 'Effort' as '0'. The 'Deployment' section contains a link to 'Releases' and a link to 'more about deployment status reporting'. The 'Development' section contains a link to 'Add link' and a link to 'Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.'.

- Assigning bug to the developer and changing state

9. Progress report



10. Changing the test template

Azure DevOps

231001203 / Settings / Process

Q Search

SK

Organization Settin...
231001203

Q Search Settings

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Overview

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Extensions

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Security

Security overview

Policies

Permissions

Boards

Process

Build

All processes

Help

Filter by process name

Processes

Fields

Name	Description	Team proje...
Basic (default)	This template is flexible for any process and great for teams getting started with A...	1
Agile	... This template is flexible and will work great for most teams using Agile planning m...	0
Scrum	This template is for teams who follow the Scrum framework.	0
CMMI	This template is for more formal projects requiring a framework for process impro...	0

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Azure DevOps

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Name	Description	Team proje...
Basic (default)	This template is flexible for any process and great for teams getting started with A...	1
Agile	This template is flexible and will work great for most teams using Agile planning m...	1
231001203 agile		0
agile plus		0
Scrum	This template is for teams who follow the Scrum framework.	0
CMMI	This template is for more formal projects requiring a framework for process impro...	0

Azure DevOps

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Dipelines

System processes cannot be customized. To add customization create an inherited process.

All processes > Agile

Work item types

Backlog levels

Projects

Name	Description
231001203 agile	...

Change the project process

X

Change the process used by the project to another process.

Select a target process

Select a target process

Save

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CS23432

11. View the new test case template

Add a field to Bug

Add a field to store custom, queryable data about your work items.

☐ Use an existing field

Field: Acceptance Criteria

☒ Create a field

Name: type

Type: Text (single line)

Description: Optionally provide a description for the field

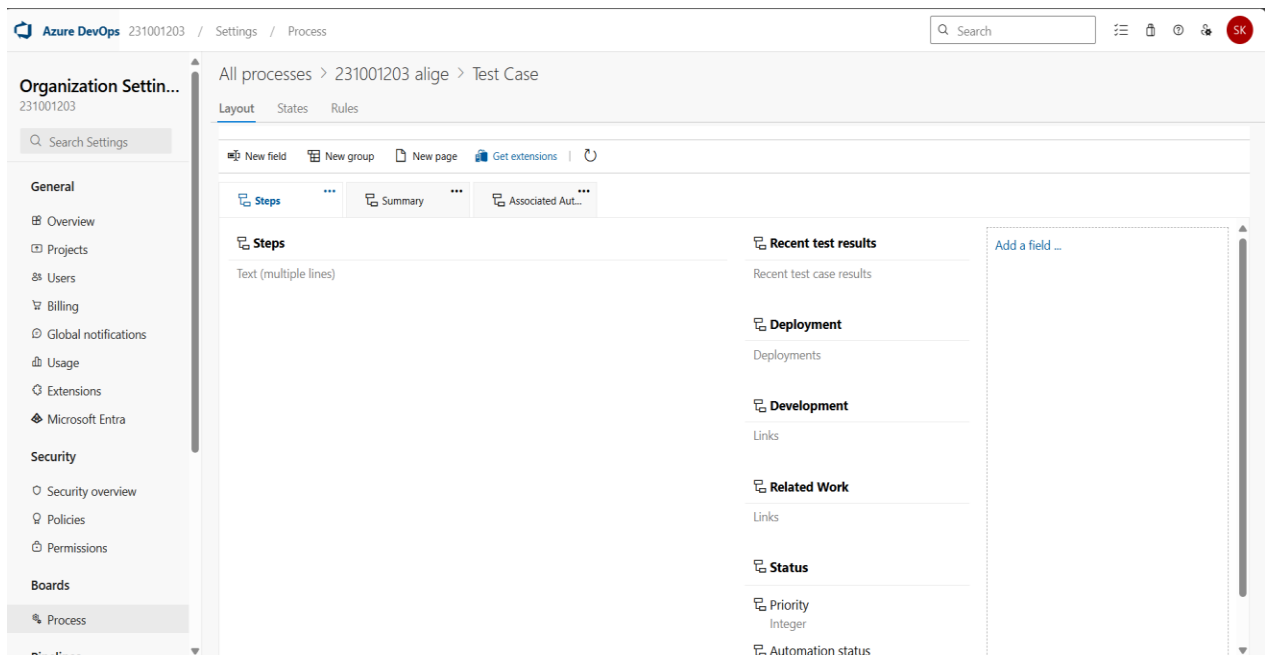
[Learn more](#)

Add field **Cancel**

All processes > Agile

Work item types Backlog levels **Projects**

Name	Description
231001203 agile	...



Result:

The test plans and test cases for the user stories is created in Azure DevOps with Happy Path and Error Path

EXP NO: 9

LOAD TESTING AND PERFORMANCE TESTING

Aim:

To create an Azure Load Testing resource and run a load test to evaluate the performance of a target endpoint.

Load Testing

Steps to Create an Azure Load Testing Resource:

Before you run your first test, you need to create the Azure Load Testing resource:

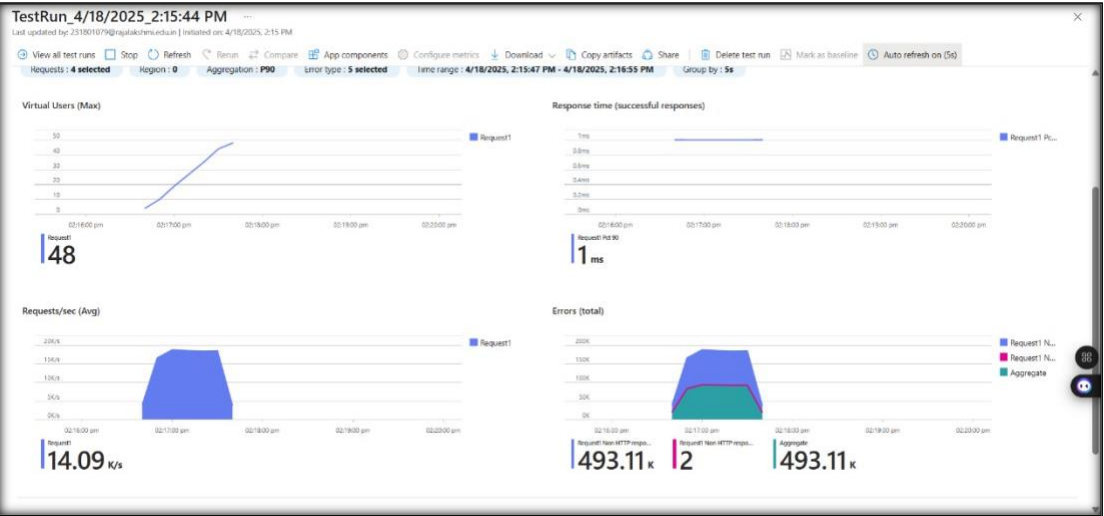
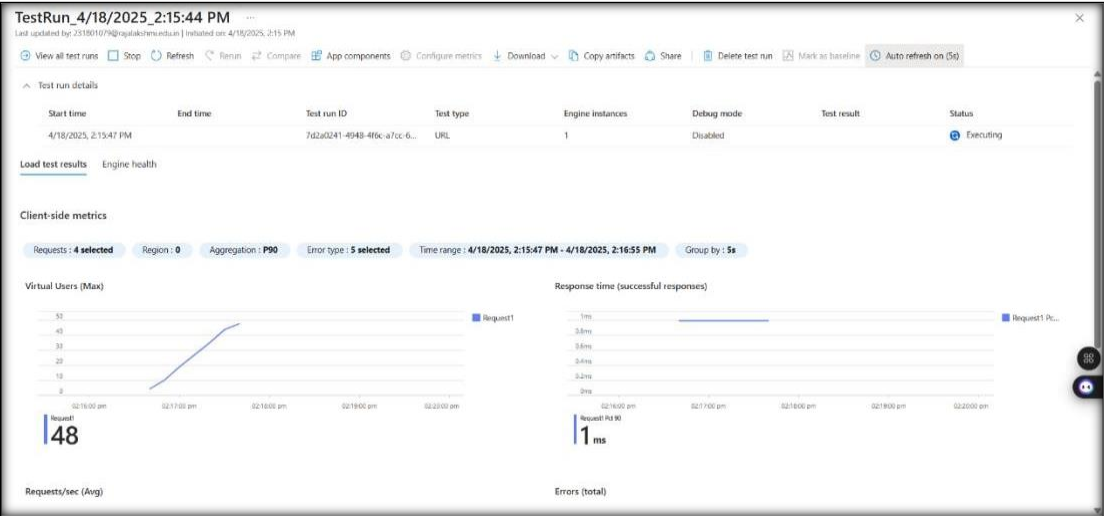
1. Sign in to Azure Portal
Go to <https://portal.azure.com> and log in.
2. Create the Resource
 - Go to *Create a resource* → Search for “Azure Load Testing”.
 - Select Azure Load Testing and click Create.
3. Fill in the Configuration Details
 - *Subscription*: Choose your Azure subscription.
 - *Resource Group*: Create new or select an existing one.
 - *Name*: Provide a unique name (no special characters).
 - *Location*: Choose the region for hosting the resource.
4. (Optional) Configure tags for categorization and billing.
5. Click Review + Create, then Create.
6. Once deployment is complete, click Go to resource.

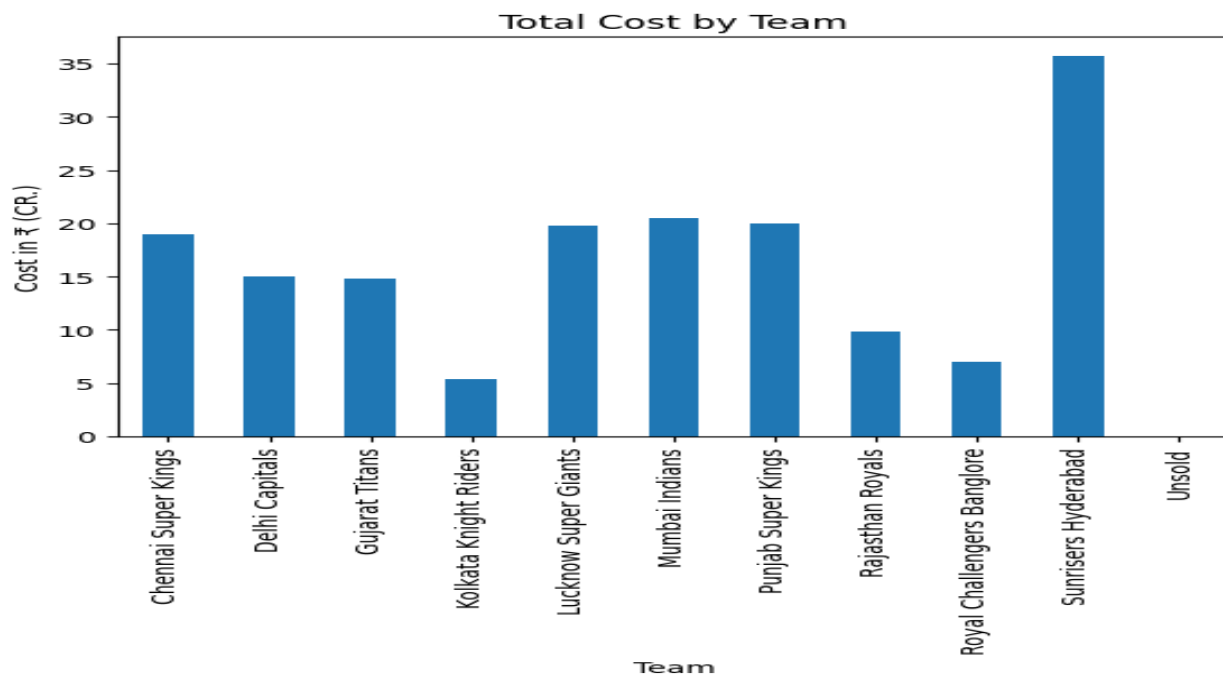
Steps to Create and Run a Load Test:

Once your resource is ready:

1. Go to your Azure Load Testing resource and click Add HTTP requests > Create.
2. Basics Tab
 - *Test Name*: Provide a unique name.
 - *Description*: (Optional) Add test purpose.
 - *Run After Creation*: Keep checked.
3. Load Settings
 - *Test URL*: Enter the target endpoint (e.g., <https://yourapi.com/products>).
4. Click Review + Create → Create to start the test.

Load Testing





Result:

Successfully created the Azure Load Testing resource and executed a load test to assess the performance of the specified endpoint.

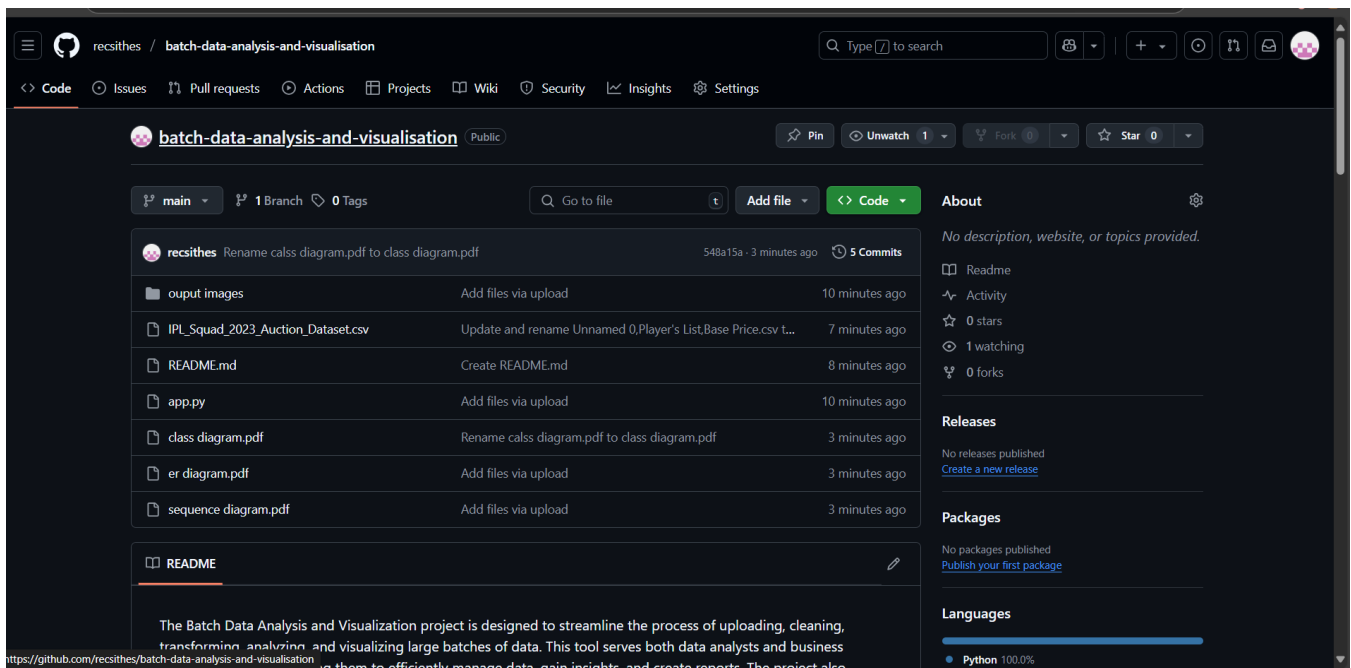
EXP NO: 10

GITHUB: PROJECT STRUCTURE & NAMING CONVENTIONS

Aim:

To provide a clear and organized view of the project's folder structure and file naming conventions, helping contributors and users easily understand, navigate, and extend the Music Playlist Batch Creator project.

GitHub Project Structure



Result:

The GitHub repository clearly displays the organized project structure and consistent naming conventions, making it easy for users and contributors to understand and navigate the codebase.