

EXP NO: 1

AZURE DEVOPS ENVIRONMENT SETUP

Aim:

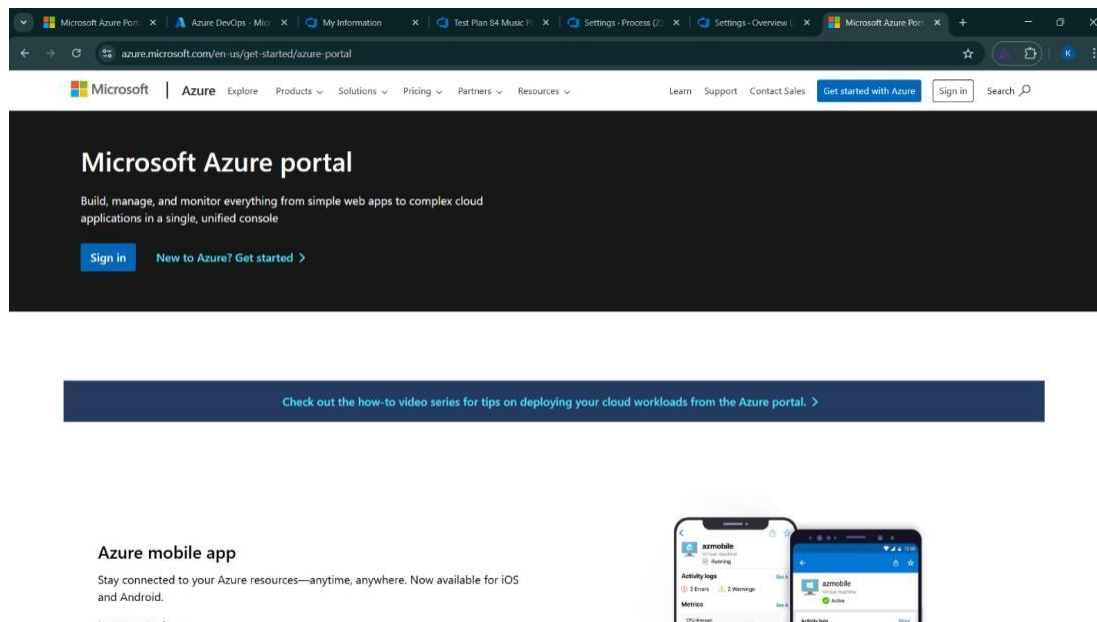
To set up and access the Azure DevOps environment by creating an organization through the Azure portal.

INSTALLATION

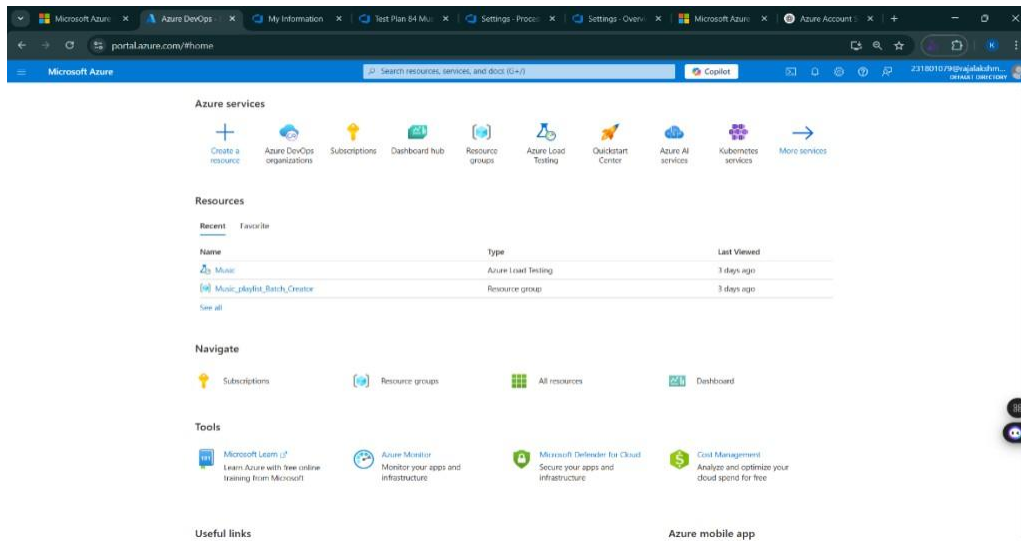
1. Open your web browser and go to the Azure website: <https://azure.microsoft.com/en-us/get-started/azure-portal>.

Sign in using your Microsoft account credentials.

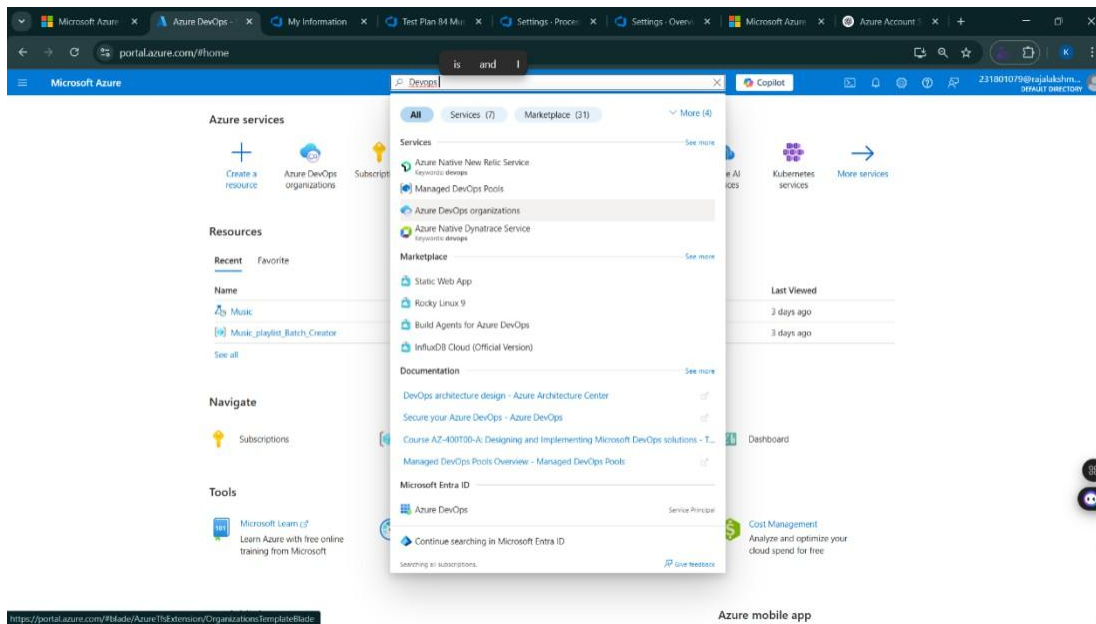
If you don't have a Microsoft account, you can create one here: <https://signup.live.com/?lic=1>



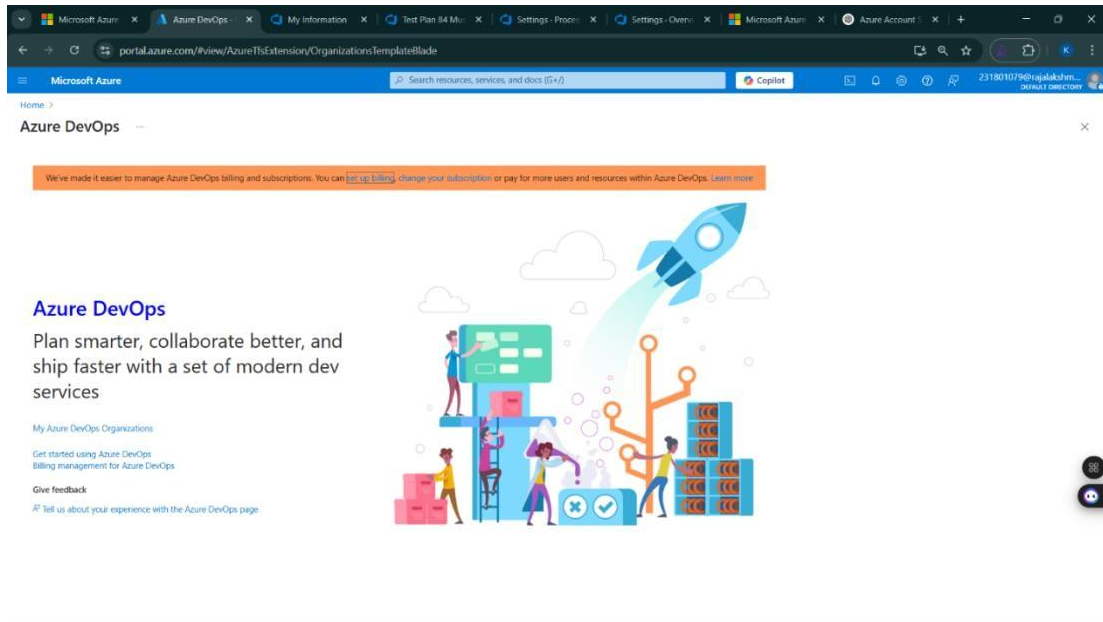
2. Azure home page



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.

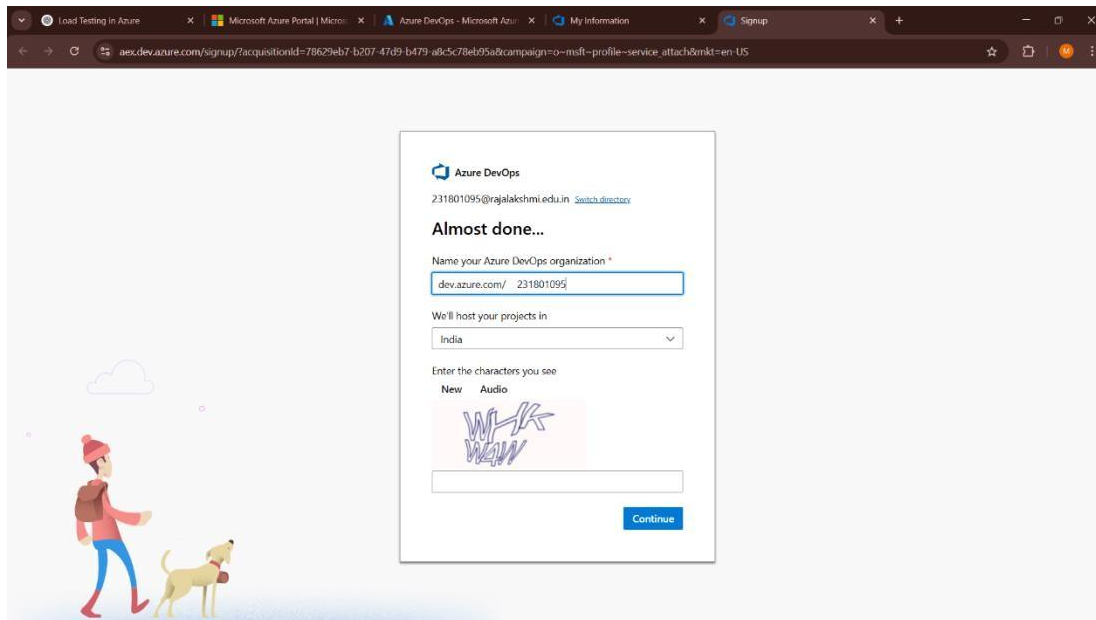
EXP NO: 2

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



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 *

Music Playlist Batch Creator

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.

☐

By creating this project, you agree to the Azure DevOps [code of conduct](#)

^ Advanced

Version control ?

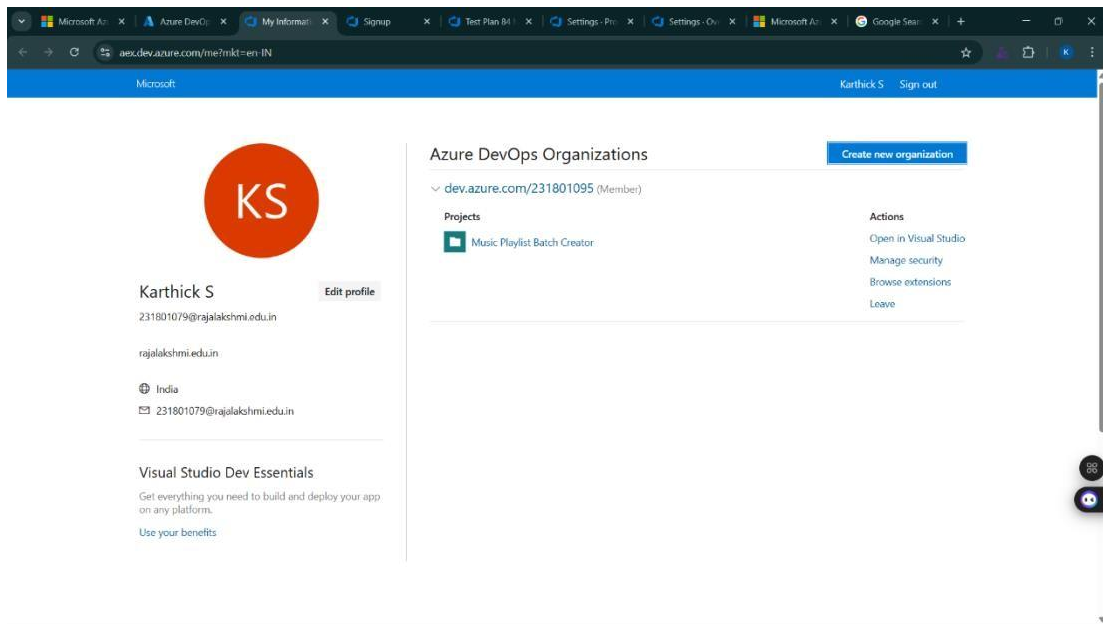
Git

Work item process ?

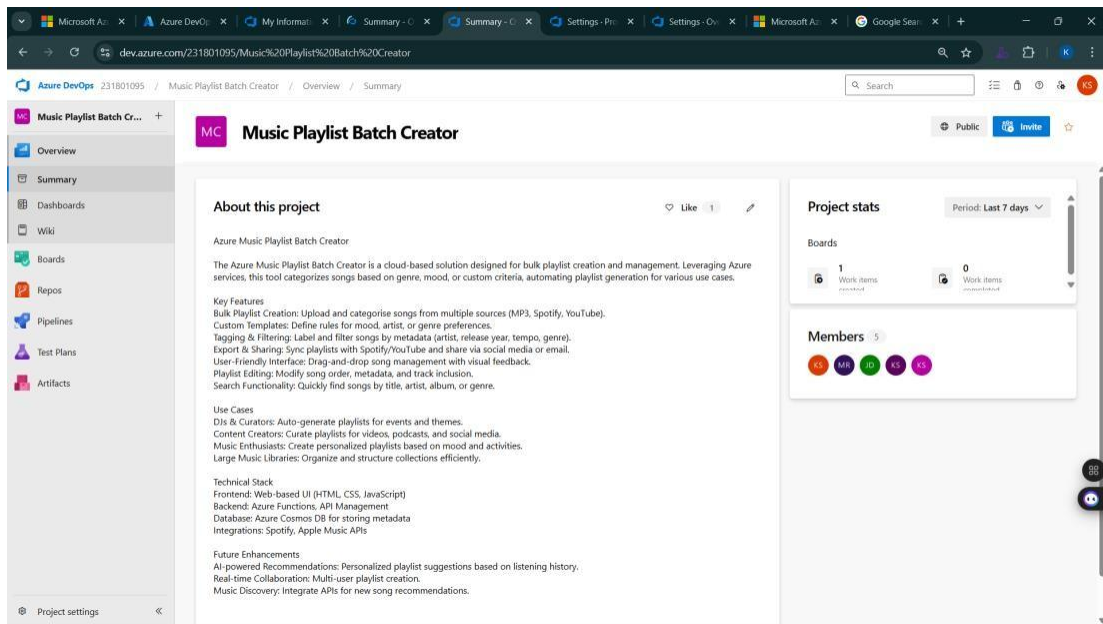
231801095 Agile

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.



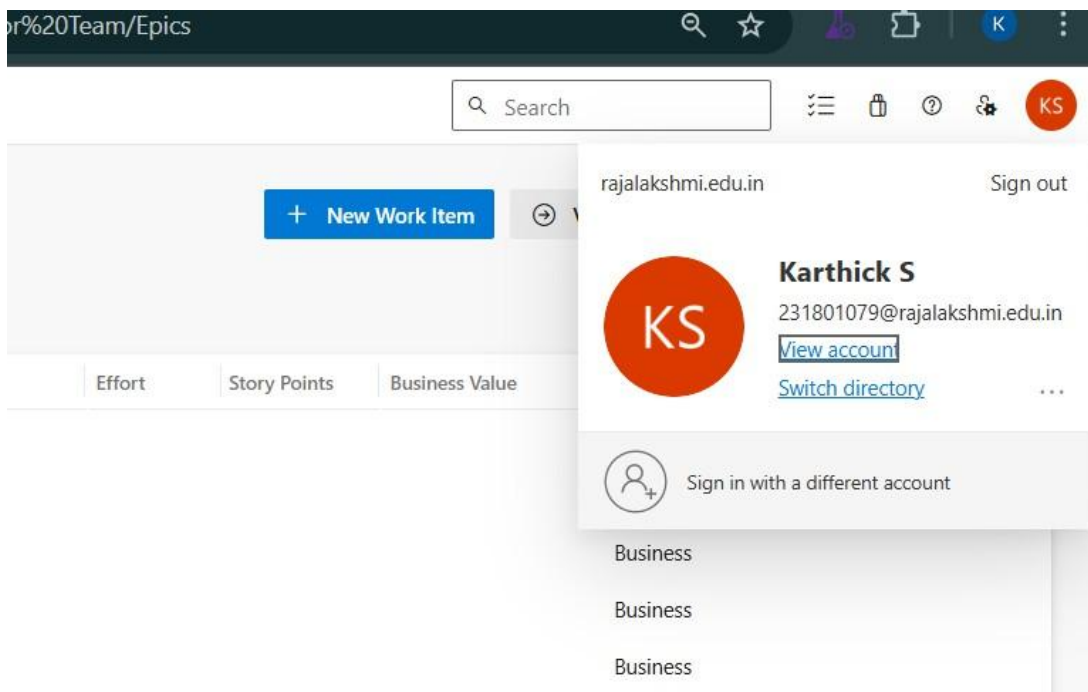
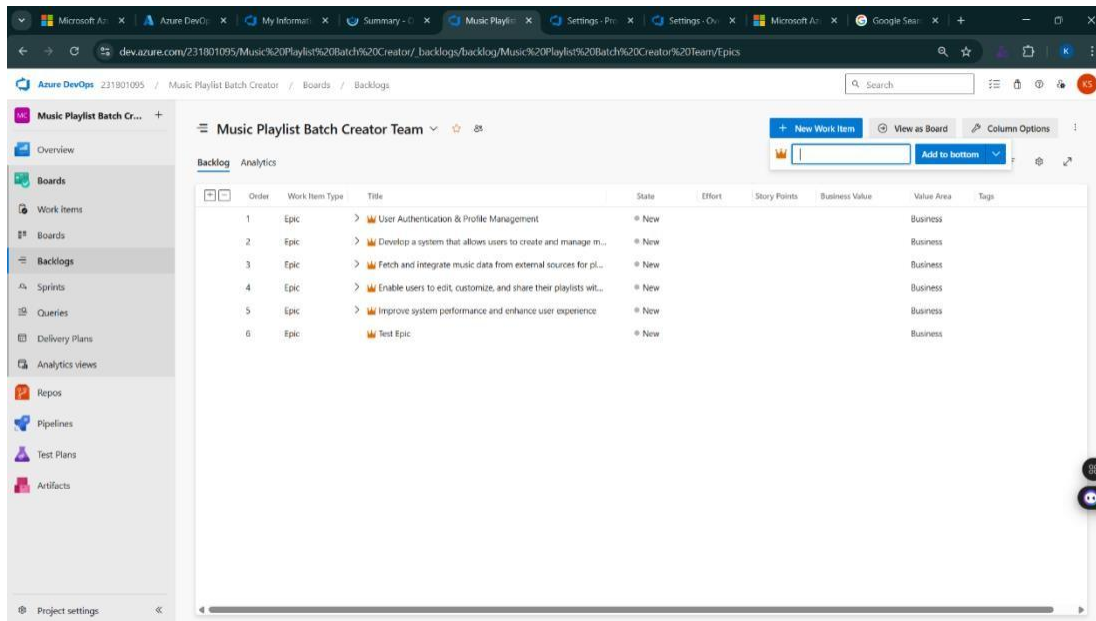
4. Project dashboard



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.



Result:

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

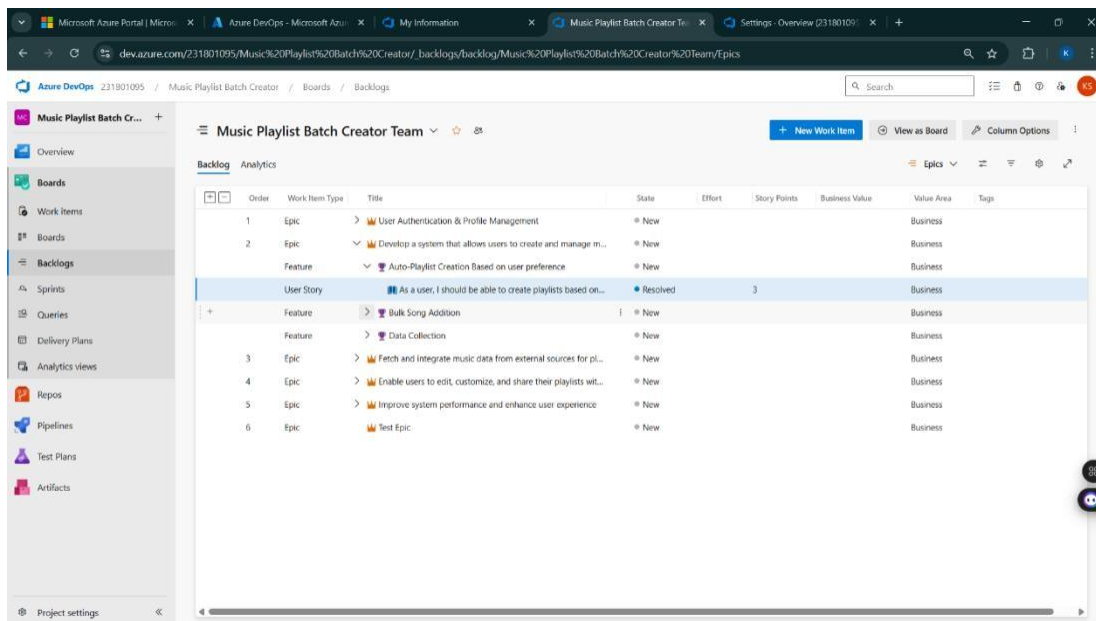
EXP NO: 3

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

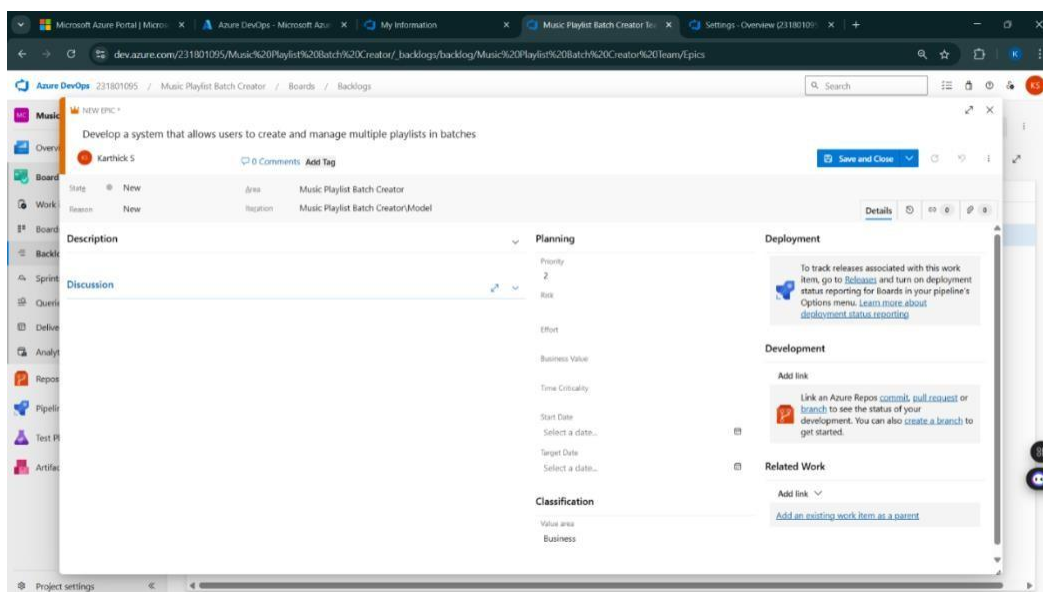
Aim:

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

Create Epic, Features, User Stories, Task



1.Fill in Epics



2.Fill in Features

This screenshot shows the Azure DevOps interface for a work item titled "26 Auto-Playlist Creation Based on user preference". The work item is assigned to "Karthick S" and is in the "New" state. The left sidebar shows the project structure with "Music Playlist Batch Creator" selected. The main content area is divided into several sections: "Description" (with a placeholder "Click to add Description."), "Discussion" (with a placeholder "Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request."), "Planning" (with fields for Priority, Risk, Effort, Business Value, Time Criticality, Start Date, and Target Date), "Classification" (with fields for Value area and Business), "Deployment" (with a placeholder "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" (with a placeholder "Add link" and a note "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."), and "Related Work" (with a placeholder "Add link" and a list of related work items). The work item is updated by "Mallu karthick Saiji Reddy" on Feb 18.

3.Fill in User Story Details

This screenshot shows the Azure DevOps interface for a work item titled "47 As a user, I should be able to create playlists based on various categories (like mood, genre, artist, popularity, lyrics) as I need". The work item is assigned to "Karthick S" and is in the "Resolved" state. The left sidebar shows the project structure with "Music Playlist Batch Creator" selected. The main content area is divided into several sections: "Description" (with a placeholder "Click to add Description."), "Acceptance Criteria" (with a placeholder "Click to add Acceptance Criteria."), "Discussion" (with a placeholder "Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request."), "Planning" (with fields for Story Points, Priority, and Risk), "Classification" (with fields for Value area and Business), "Deployment" (with a placeholder "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" (with a placeholder "Add link" and a note "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."), and "Related Work" (with a placeholder "Add link" and a list of related work items). The work item is updated by "Karthick S" on Apr 10.

Result:

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

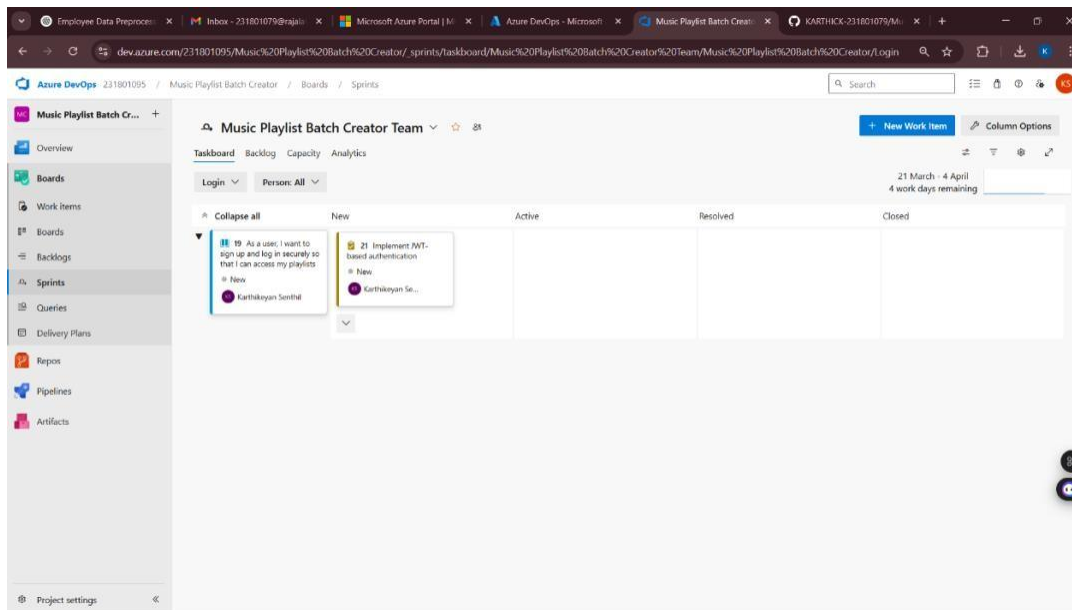
EXP NO: 4

SPRINT PLANNING

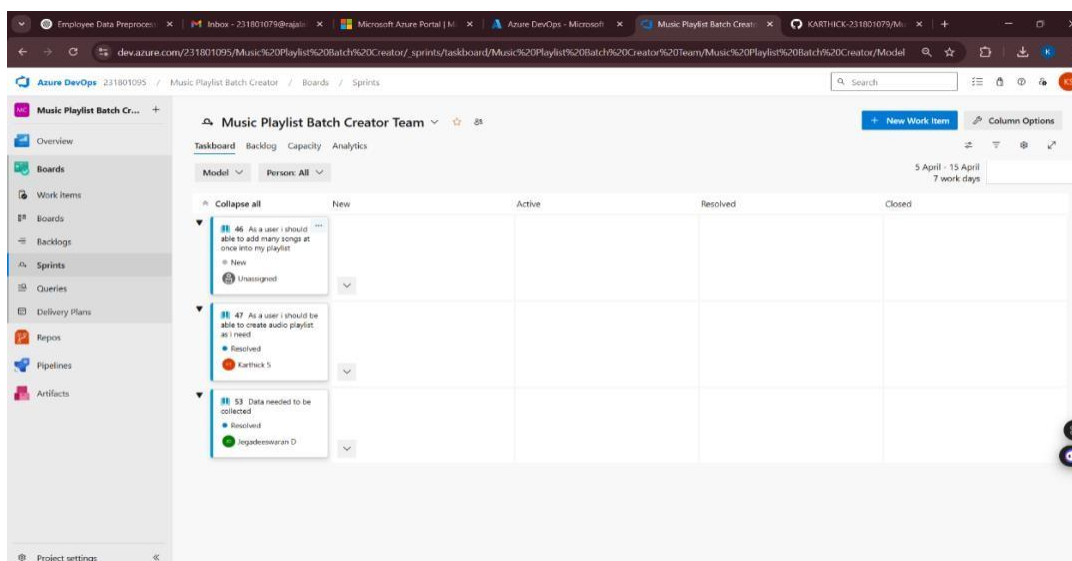
Aim:

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

Sprint Planning Sprint 1



Sprint 2



Sprint 3

The screenshot shows the Azure DevOps Sprints board for the 'Music Playlist Batch Creator Team'. The board is set for the period of 15 April to 30 April, spanning 12 work days. The left sidebar contains navigation links for Overview, Boards, Work Items, Backlogs, Sprints, Queries, Delivery Plans, Repos, Pipelines, and Artifacts. The main area displays a Kanban board with columns for New, Active, Resolved, and Closed. Four work items are currently in the 'New' column:

- Item 48: 'As a user, I Can Connect with my music apps'. Assignee: Mulu karthick Balaji R...
- Item 20: 'As a user, I want to link my Spotify account or any music platforms so that I can import my music preferences'. Assignee: Mulu karthick Balaji R...
- Item 49: 'As a user I need to have real time meta data'. Assignee: Mulu karthick Balaji R...
- Item 50: 'As a user I need see my playlist in one place'. Assignee: Mulu karthick Balaji R...

Sprint 4

The screenshot shows the Azure DevOps Sprints board for the 'Music Playlist Batch Creator Team'. The board is set for the period of 29 April to 30 April, spanning 2 work days. The left sidebar contains navigation links for Overview, Boards, Work Items, Backlogs, Sprints, Queries, Delivery Plans, Repos, Pipelines, and Artifacts. The main area displays a Kanban board with columns for New, Active, Resolved, and Closed. Three work items are currently in the 'New' column:

- Item 23: 'As a user i can able to customize my playlist'. Assignee: Karthick S
- Item 50: 'As a user i should be able to rename ,record and change the playlist'. Assignee: Unassigned
- Item 51: 'As a user i should be able to access a friendly and Modern UI'. Assignee: Keerthna S

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 a user story titled "47 As a user i should be able to create audio playlist as i need" in the Azure DevOps interface. The story is assigned to "Karthick S" and is in the "Resolved" state. The "Planning" section shows a "Story Points" value of 3, a "Priority" of 2, and a "Risk" level. The "Description" field contains the text "Click to add Description." The "Acceptance Criteria" field contains "Click to add Acceptance Criteria." The "Discussion" field is empty. The "Deployment" section includes a link to "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." The "Development" section includes 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." The "Related Work" section shows a link to "26 Auto-Playlist Creation Based on user preference" updated on Feb 18. The browser address bar shows the URL "dev.azure.com/231801095/Music%20Playlist%20Batch%20Creator/_backlog/backlog/Music%20Playlist%20Batch%20Creator%20Team/Epics/workitem--47".

Result:

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

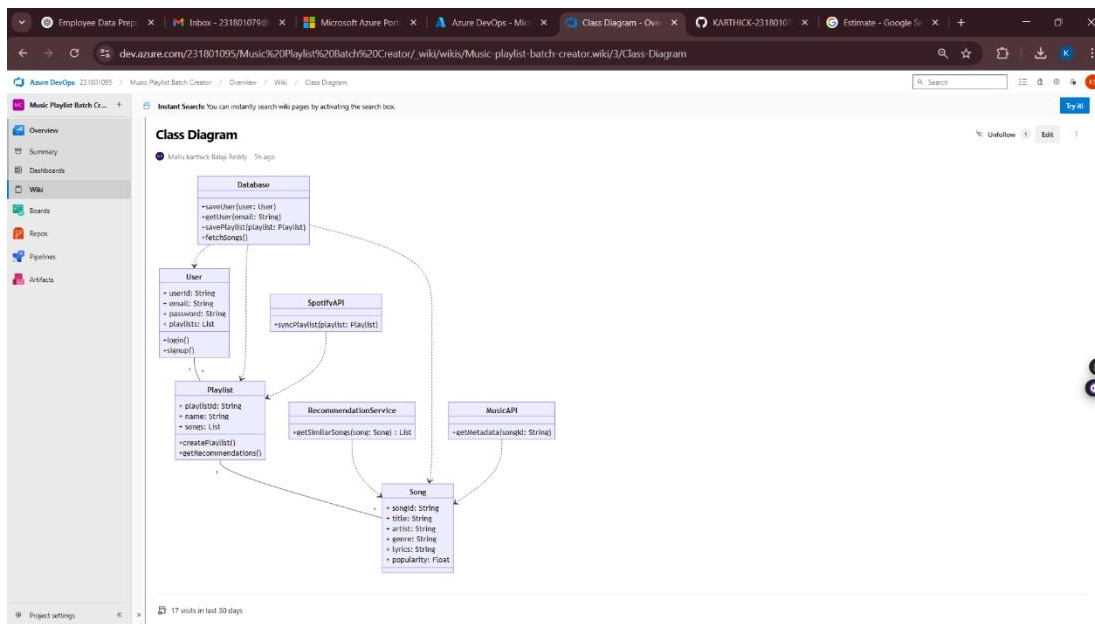
EXP NO: 6	DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR PROJECT ARCHITECTURE
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EXP NO: 6	DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR PROJECT ARCHITECTURE
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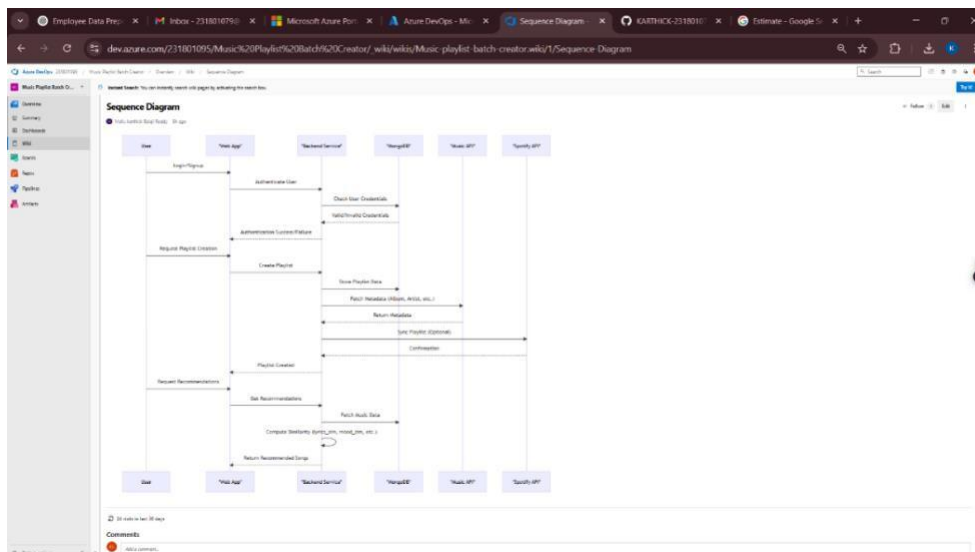
Aim:

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.

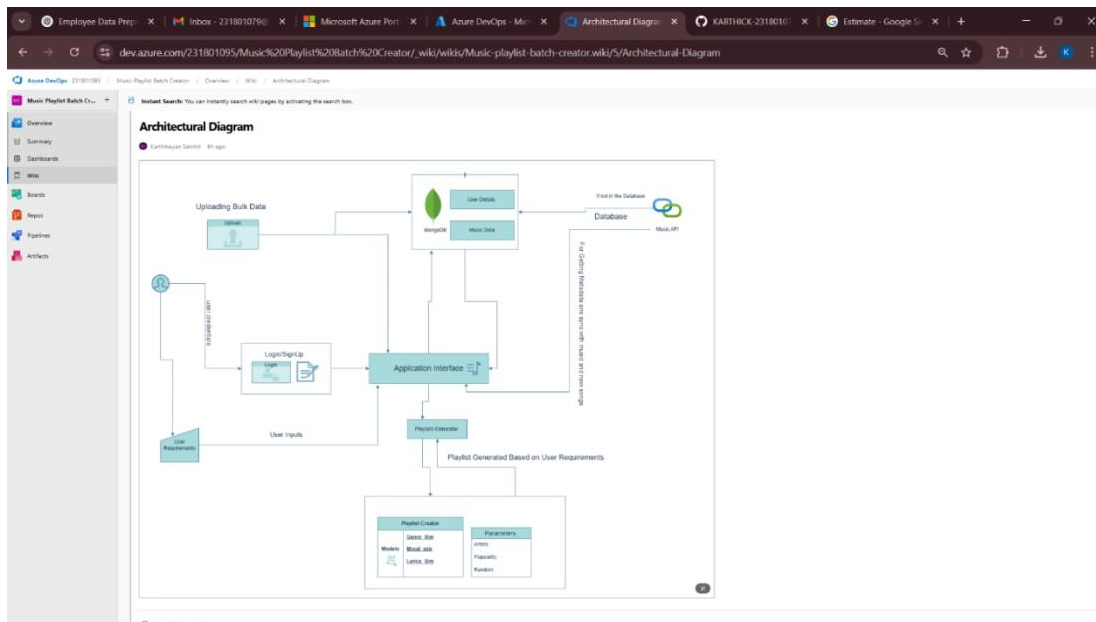
EXP NO: 7

DESIGNING ARCHITECTURAL AND ER DIAGRAMS FOR PROJECT STRUCTURE

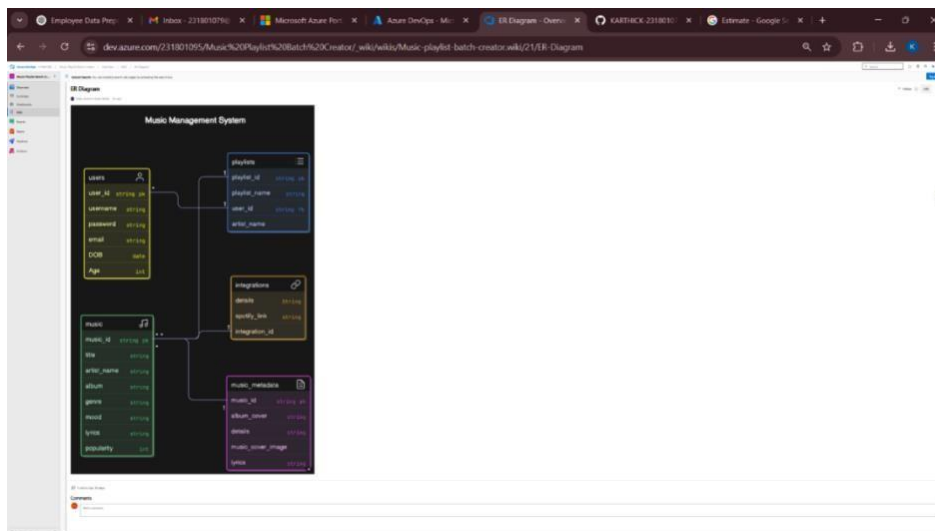
Aim:

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

Test Case Design Procedure

1. Understand Core Features of the Application

- User Signup & Login
- Viewing and Managing Playlists
- Fetching Real-time Metadata
- Editing playlists (rename, reorder, record)
- Creating smart audio playlists based on categories (mood, genre, artist, etc.)

2. Define User Interactions

- Each test case simulates a real user behaviour (e.g., logging in, renaming a playlist, adding a song).

3. Design Happy Path Test Cases

- Focused on validating that all features function as expected under normal conditions.
- Example: User logs in successfully, adds item to playlist, or creates a category-based playlist.

4. Design Error Path Test Cases

- Simulate negative or unexpected scenarios to test robustness and error handling.
- Example: Login fails with invalid credentials, save fails when offline, no recommendations found.

5. Break Down Steps and Expected Results

- Each test case contains step-by-step actions and a corresponding expected outcome.
- Ensures clarity for both testers and automation scripts.

6. Use Clear Naming and IDs

- Test cases are named clearly (e.g., TC01 – Successful Login, TC10 – Save Playlist Fails).
- Helps in quick identification and linking to user stories or features.

7. Separate Test Suites

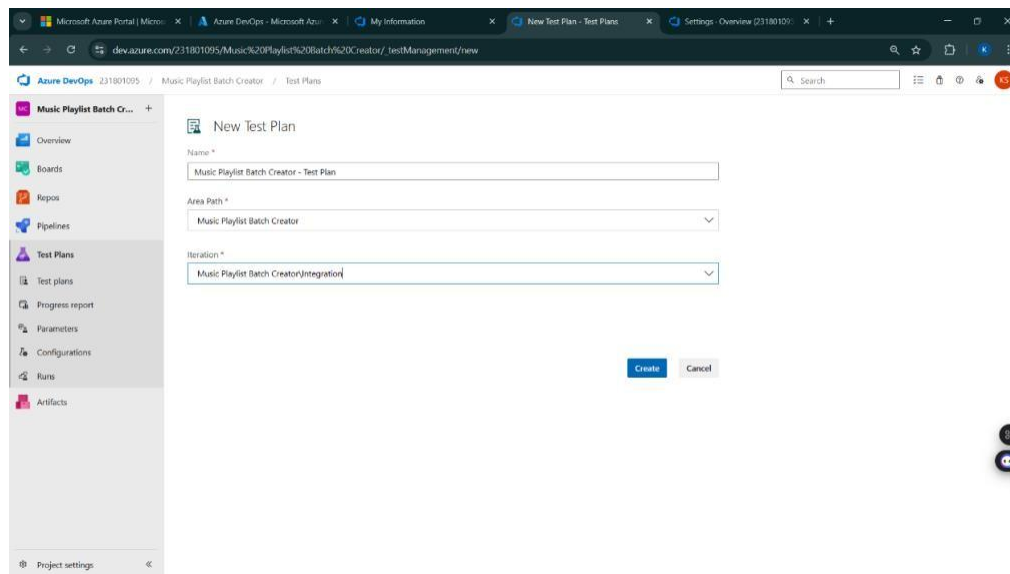
- Grouped test cases based on functionality (e.g., Login, Playlist Editing, Recommendation System).

- Improves organization and test execution flow in Azure DevOps.

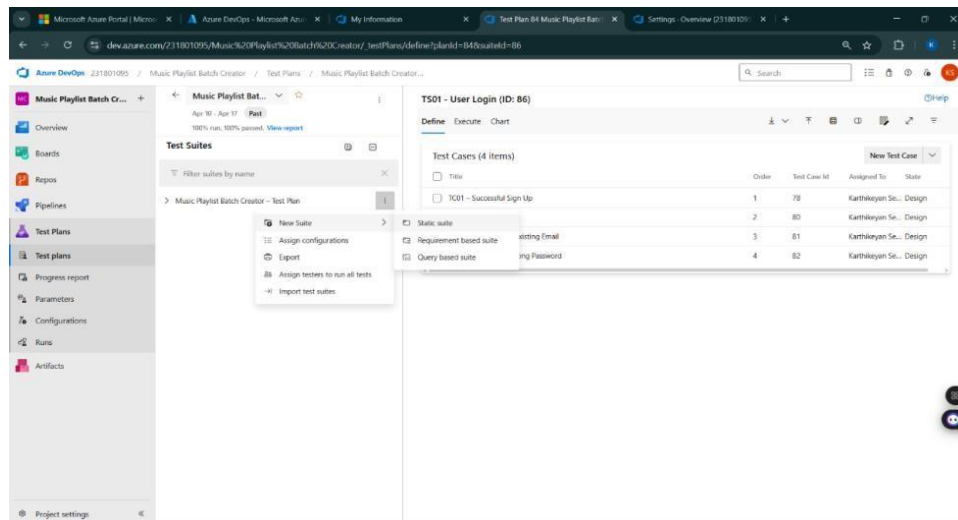
8. Prioritize and Review

- Critical user actions are marked high-priority.
- Reviewed for completeness and traceability against feature requirements.

1.New test plan



2.Test suite



3. Test case

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

Music Playlist Batch Creator – Test Plans

USER STORIES

- As a user, I want to sign up and log in securely so that I can access my playlists (ID: 79).
- As a user, I need to see my playlist in one place (ID: 76).
- As a user, I should be able to create an audio playlist as needed (ID: 73).
- As a user, I should be able to rename, record, and change the playlist (ID: 68).
- As a user, I need to have real-time metadata (ID: 65).

Test Suites

Test Suit: TS01 - User Login (ID: 86)

1. TC01 – Successful Sign Up

- **Action:**
 - Go to the Sign-Up page.
 - Enter valid name, email, and password.
 - Click "Sign Up".
- **Expected Results:**
 - Sign-Up form is displayed.
 - Fields accept values without error.
 - Account is created, and the user is redirected to the dashboard.
- **Type:** Happy Path

2. TC02 – Secure Login

- **Action:**
 - Go to the Login page.
 - Enter valid email and password.
 - Click on "Login".
- **Expected Results:**
 - Login form is displayed.
 - Fields accept data without error.
 - User is logged in and redirected to the dashboard.
- **Type:** Happy Path

3. TC03 – Sign Up with Existing Email

- **Action:**
 - Go to the Sign-Up page.
 - Enter a name and an already registered email.
 - Click on "Sign Up".
- **Expected Results:**

- Fields accept data.
- Error message "Email already registered" is displayed.
- **Type:** Error Path

4. TC04 – Login with Wrong Password

- **Action:**
 - Go to the Login page.
 - Enter valid email and incorrect password.
 - Click on "Login".
- **Expected Results:**
 - Input is accepted.
 - Error message "Invalid username or password" is shown.
- **Type:** Error Path

Test Suit: TS02 - View Playlists (ID: 87)

1. TC05 – View Playlist Page

- **Action:**
 - Log in successfully.
 - Navigate to "My Playlists" section.
- **Expected Results:**
 - All created playlists are displayed clearly.
- **Type:** Happy Path

2. TC06 – Playlist Loading Failure

- **Action:**
 - Disconnect from the internet.
 - Navigate to "My Playlists".
- **Expected Results:**
 - Network is offline.
 - Error message "Unable to load playlists" is shown.
- **Type:** Error Path

Test Suit: TS03 - Real-Time Metadata (ID: 88)

1. TC07 – Real-Time Metadata Display

- **Action:**
 - Play a song.
 - Observe the metadata panel.
- **Expected Results:**
 - Metadata (title, artist, album, duration) is displayed and updates in real time.
- **Type:** Happy Path

2. TC08 – Metadata Not Updating

- **Action:**

- Play a different song.
 - Observe the metadata panel.
- **Expected Results:**
 - Metadata remains static or shows default/fallback message.
- **Type:** Error Path

Test Suit: TS04 - Playlist Editing (ID: 89)

1. TC09 – Rename Playlist Successfully

- **Action:**
 - Navigate to "My Playlists".
 - Click "Rename" next to a playlist.
 - Enter a new name and click "Save".
- **Expected Results:**
 - Playlist name updates successfully.
- **Type:** Happy Path

2. TC10 – Rename with Blank Name

- **Action:**
 - Click "Rename" on a playlist.
 - Leave the field blank.
 - Click "Save".
- **Expected Results:**
 - Error message "Playlist name cannot be empty" is shown.
- **Type:** Error Path

3. TC11 – Change Playlist Order

- **Action:**
 - Open a playlist.
 - Drag and drop songs to reorder.
 - Click "Save".
- **Expected Results:**
 - Playlist order is updated and saved.
- **Type:** Happy Path

4. TC12 – Change Playlist Order Fails

- **Action:**
 - Login and go to "My Playlists".
 - Select a playlist.
 - Go offline or simulate server error.
 - Reorder songs and click "Save Order".
- **Expected Results:**
 - Error message: "Failed to update order. Please check your connection".
- **Type:** Error Path

Test Suit: TS05 - Smart Playlist Creation (ID: 90)

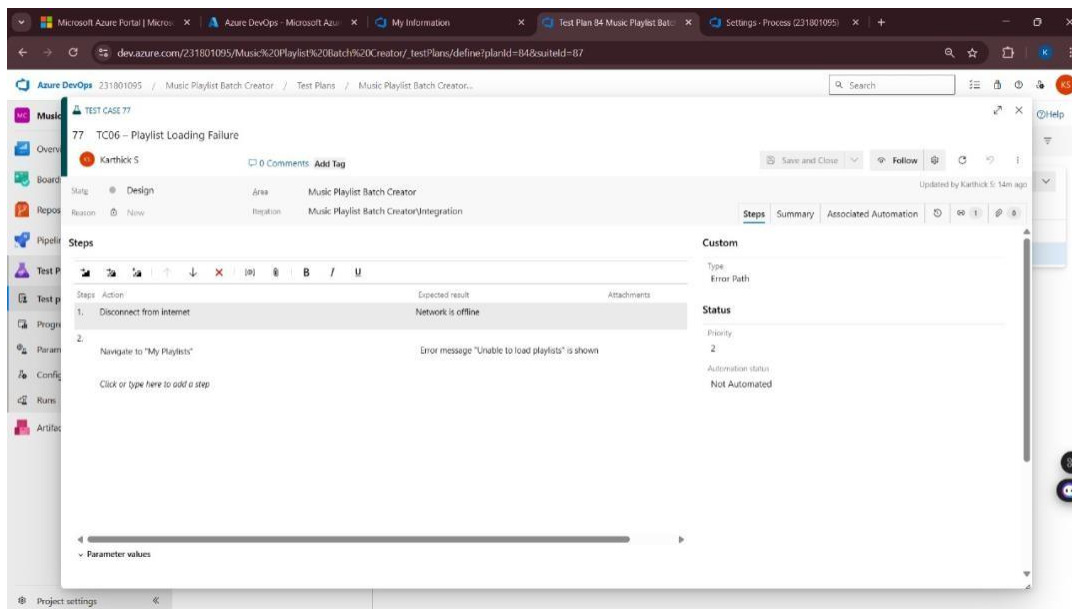
1. TC13 – Generate Playlist Based on Various Categories

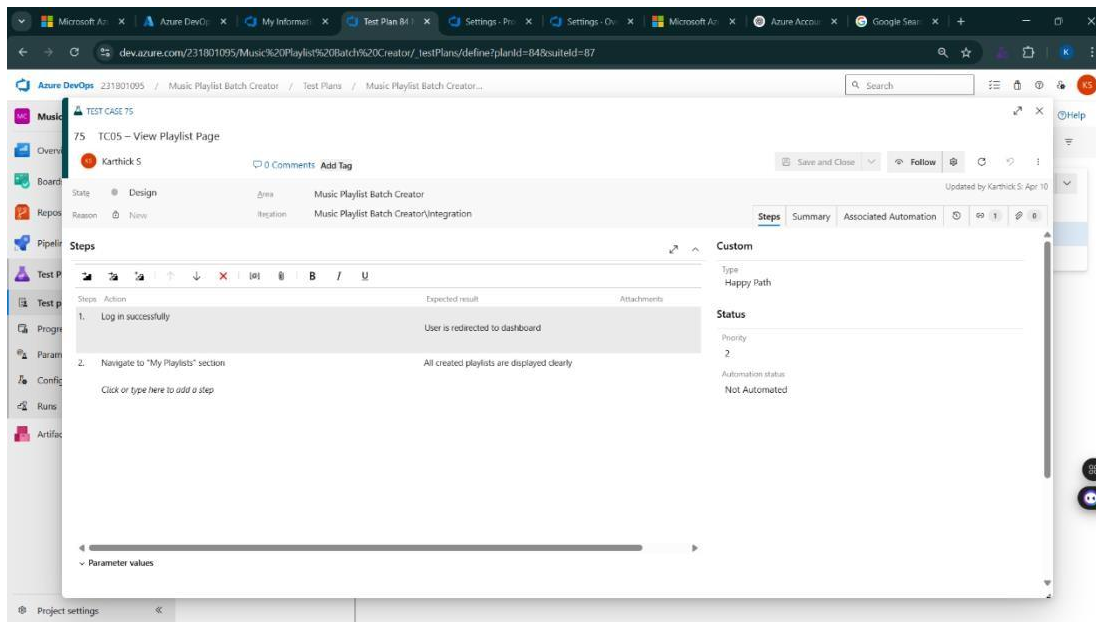
- **Action:**
 - Login with valid credentials.
 - Click on "Generate Playlist".
 - Select categories.
 - Click "Generate Playlist".
- **Expected Results:**
 - Playlist is generated based on selected mood and categories.
- **Type:** Happy Path

2. TC14 – Fail to Generate Playlist Due to Missing Category Selection or Invalid Input

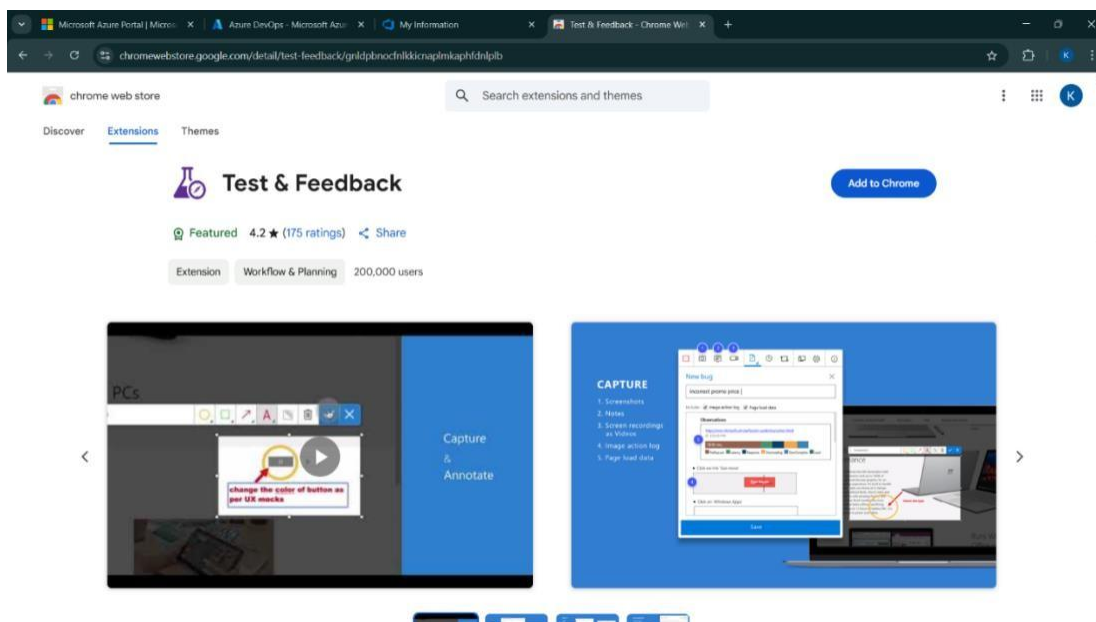
- **Action:**
 - Login with valid credentials.
 - Click on "Generate Playlist".
 - Select categories.
 - Click "Generate Playlist".
- **Expected Results:**
 - Error message: "Please select at least one valid category" or "No recommendations found for the selected filters".
- **Type:** Error Path

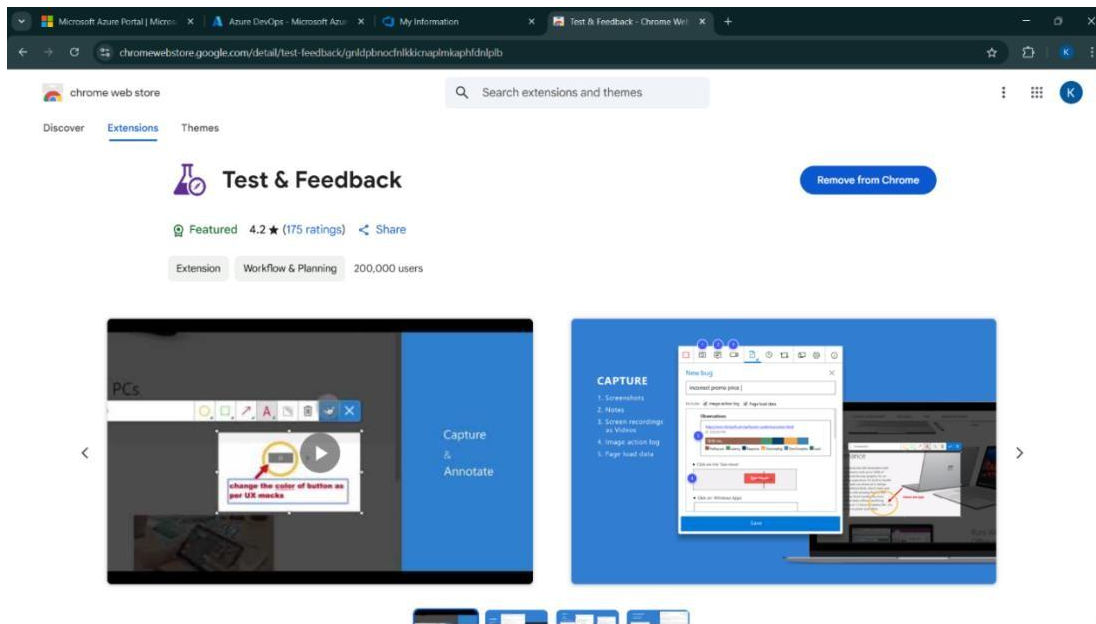
Test Cases



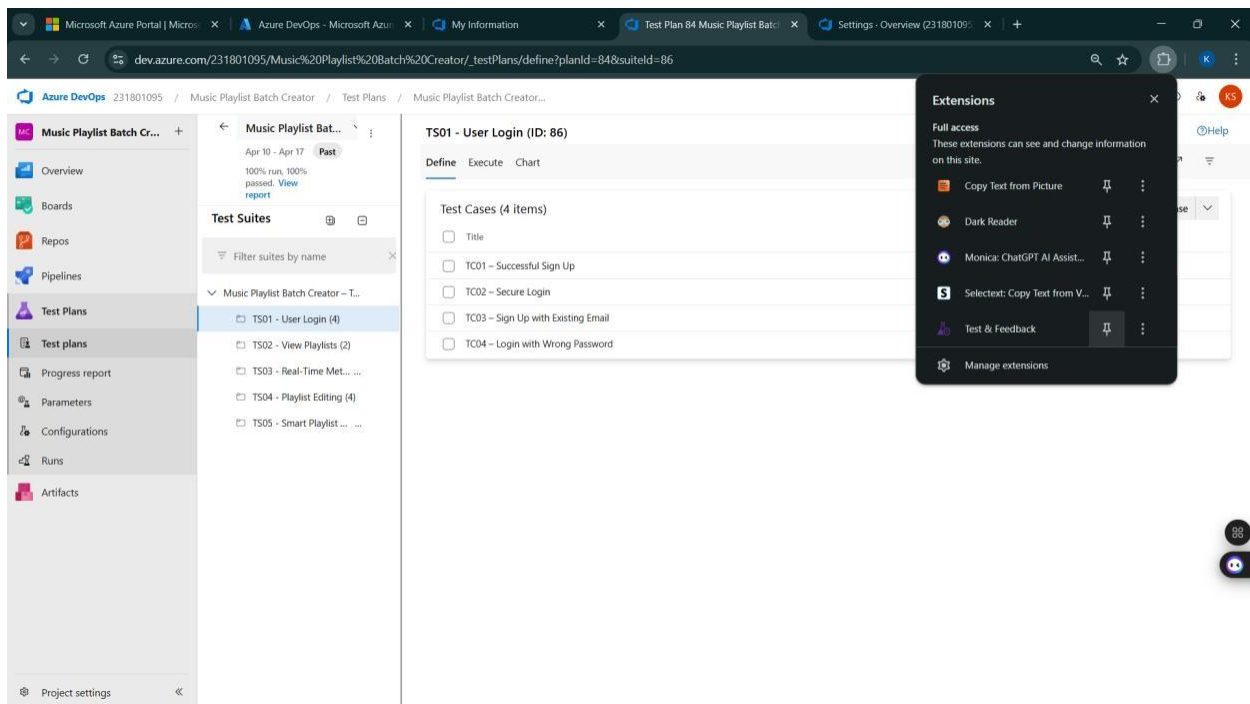


4. Installation of test





Test and feedback
Showing it as an extension



5. Running the test cases

Microsoft Azure Portal | M | Azure DevOps - Microsoft | My Information | Test Plan 84 Music Playlist | Settings - Overview (23180) | Bug Report Playlist Page

dev.azure.com/231801095/Music%20Playlist%20Batch%20Creator/_testPlans/execute?planId=84&suiteId=87

Azure DevOps 231801095 / Music Playlist Batch Creator / Test Plans / Music Playlist Batch Creator...

Music Playlist Batch Cr... +

Overview

Boards

Repos

Pipelines

Test Plans

Test plans

Progress report

Parameters

Configurations

Runs

Artifacts

Project settings

Music Playlist Bat... : Apr 10 - Apr 17 Past 100% run, 100% passed. View report

Test Suites

Filter suites by name

Music Playlist Batch Creator - T...

TS01 - User Login (4)

TS02 - View Playlists (2)

TS03 - Real-Time Met... ..

TS04 - Playlist Editing (4)

TS05 - Smart Playlist

TS02 - View Playlists (ID: 87)

Define Execute Chart

Test Points (2 items)

Title	Outcome	Order	Test Case Id	Configuration	Tester
TC05 - View Playlist Page	Passed	1	75	Windows 10	Mallu karthick B...
TC06 - Playlist Loading Failure	Passed	2	77	Windows 10	Mallu karthick B...

View execution history

Mark Outcome

Run

Reset test to active

Edit test case

Assign tester

View test result

Run for web application

Run for desktop application

Run with options

Runner - Test Plans - Google Chrome

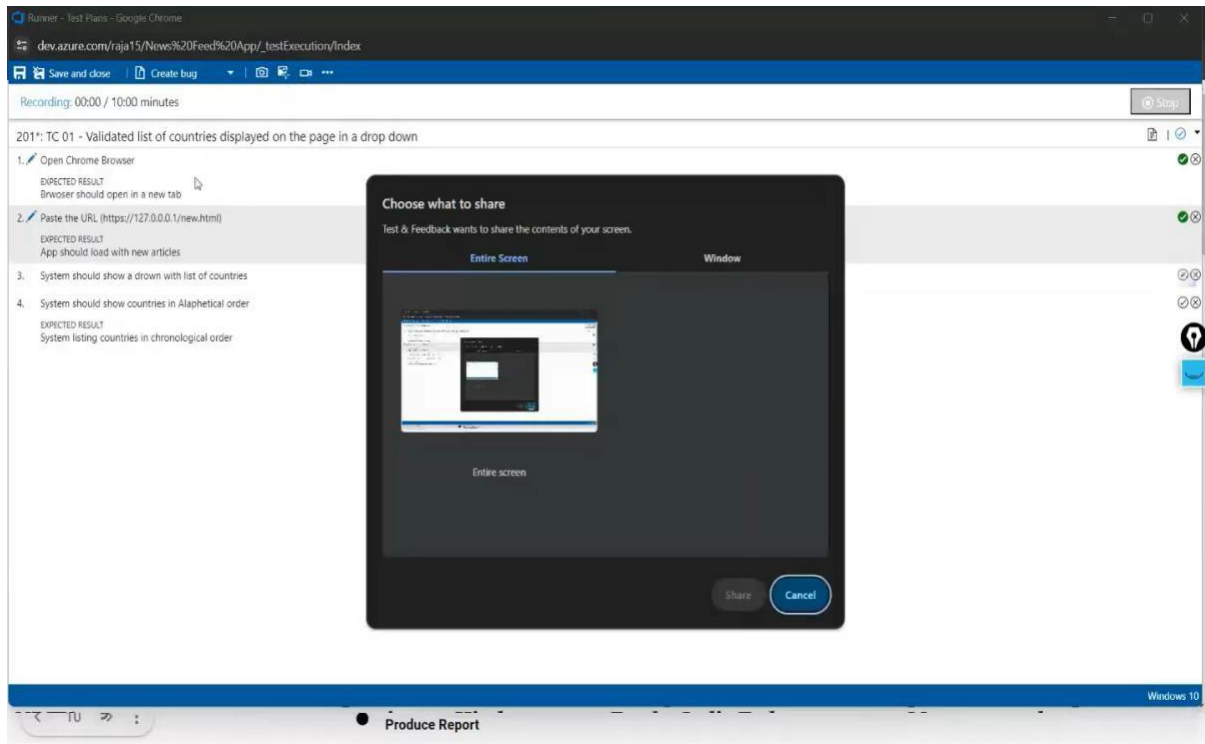
dev.azure.com/231801095/Music%20Playlist%20Batch%20Creator/_testExecution/Index

Save and close | Create bug

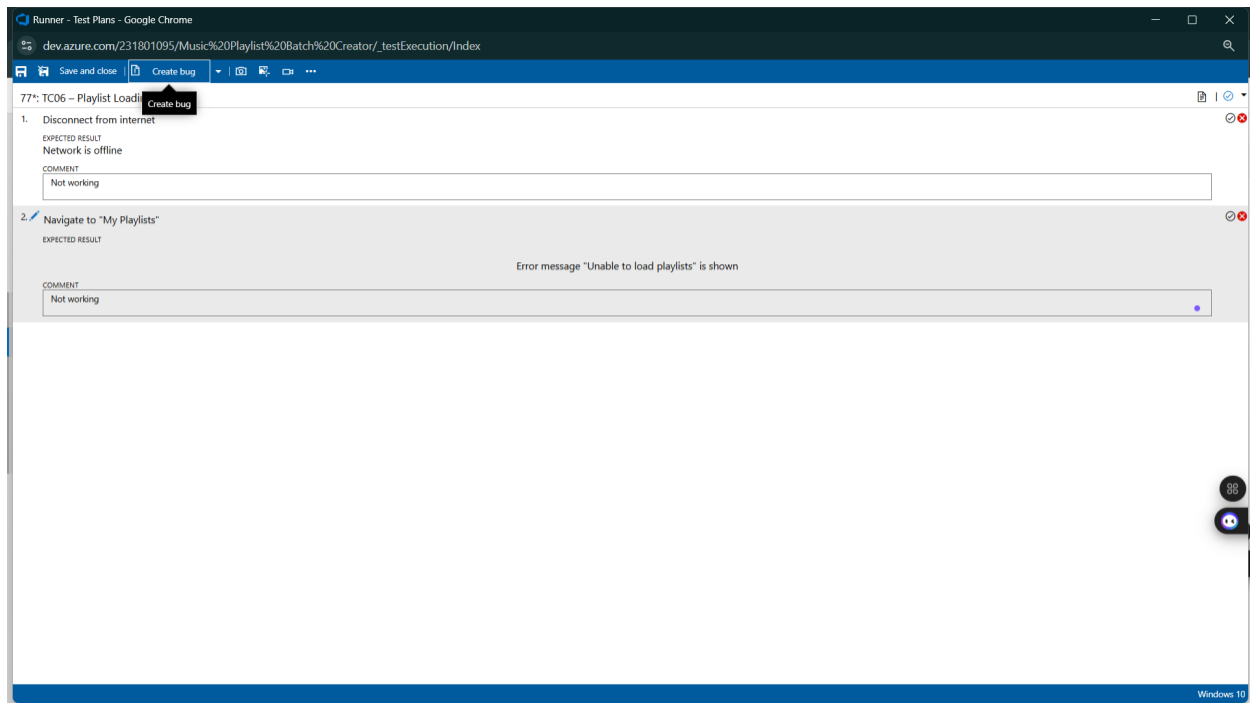
75: TC05 - View Playlist Page

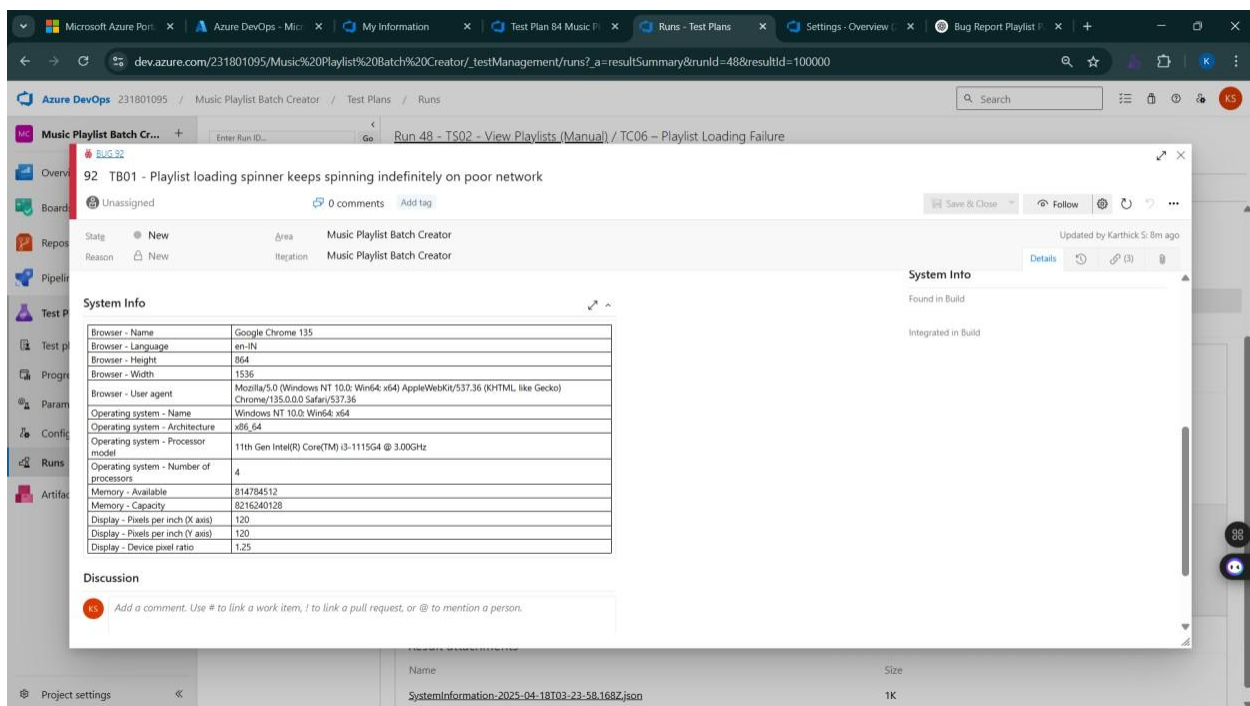
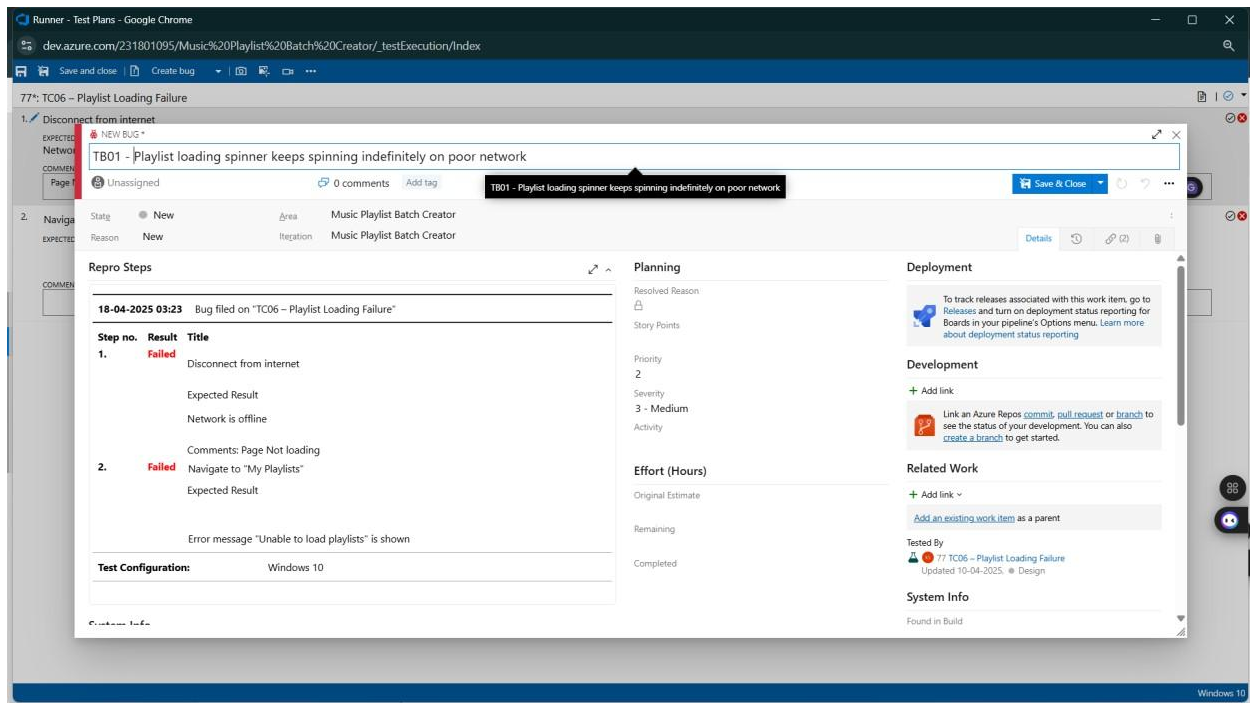
1. Log in successfully
EXPECTED RESULT
User is redirected to dashboard
2. Navigate to "My Playlists" section
EXPECTED RESULT
All created playlists are displayed clearly

6. Recording the test case



7. Creating the bug





8. Test case results

The screenshot shows the Azure DevOps interface for a test plan. The left sidebar contains navigation options like Overview, Boards, Repos, Pipelines, Test Plans, Progress report, Parameters, Configurations, Runs, and Artifacts. The main area displays 'Test Suites' and 'Test Points'. A modal window titled 'TC05 - View Playlist Page' is open, showing 'Test Case Results'.

Outcome	TimeStamp	Configuration	Run by	Tester	Test PI
Passed	4m ago	Windows 10	Karthick S	Mallu karthick Balaji ...	Music
Passed	12m ago	Windows 10	Karthick S	Mallu karthick Balaji ...	Music
Not Applicable	12m ago	Windows 10	Karthick S	Mallu karthick Balaji ...	Music
Passed	14m ago	Windows 10	Karthick S	Mallu karthick Balaji ...	Music
Passed	Tuesday	Windows 10	Karthikeyan Senthil	Mallu karthick Balaji ...	Music
Passed	Saturday	Windows 10	Mallu karthick Balaji ...	Mallu karthick Balaji ...	Music
Failed	Saturday	Windows 10	Mallu karthick Balaji ...	Mallu karthick Balaji ...	Music
Passed	Apr 11	Windows 10	Karthick S	Mallu karthick Balaji ...	Music
Passed	Apr 11	Windows 10	Karthick S	Mallu karthick Balaji ...	Music

9. Test report summary

The screenshot shows the Azure DevOps Work Items page for a bug report. The bug is titled 'BG 01 - Countries Drop down Not Available on the page' and is assigned to 'rajesh prabhu'. The state is 'New'. The repro steps are listed, and the last step is 'Produce Report'.

Repro Step

Step no.	Result	Title
1.	Passed	Open Chrome Browser
2.	Passed	Paste the URL (https://127.0.0.1/new.html)
3.	Failed	Section should show a form with list of countries

Produce Report

- Assigning bug to the developer and changing state

Microsoft Azure Portal | Music Playlist Batch Creator | Test Plans | Runs

Run 48 - TS02 - View Playlists (Manual) / TC06 - Playlist Loading Failure

92 TB01 - Playlist loading spinner keeps spinning indefinitely on poor network

Karthick S

Save & Close

Follow

Details

Updated by Karthick S 33m ago

Repro Steps

18-04-2025 03:23 Bug filed on "TC06 - Playlist Loading Failure"

Step no. Result Title

1. Failed Disconnect from internet

Expected Result

Network is offline

Comments: Page Not loading

2. Failed Navigate to "My Playlists"

Expected Result

Error message "Unable to load playlists" is shown

Test Configuration: Windows 10

Planning

Resolved Reason

Story Points

Priority

2

Severity

3 - Medium

Activity

Effort (Hours)

Original Estimate

Remaining

Completed

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

Tested By

77 TC06 - Playlist Loading Failure

Updated 10-04-2025. # Design

System Info

Comment Page Not loading

Project settings

2. Navigate to "My Playlists"

10. Progress report

Microsoft Azure Portal | Music Playlist Batch Creator | Test Plans | Progress report

dev.azure.com/231801095/Music%20Playlist%20Batch%20Creator/_testManagement/analytics/progressreport

Azure DevOps 231801095 / Music Playlist Batch Creator / Test Plans / Progress report

Music Playlist Batch Creator - Test Plan

Summary

1 Test plans

14 Test points

14 (14 / 14) Test points run

100% Run

100% (14 / 14) Pass rate

14 Passed

Outcome trend

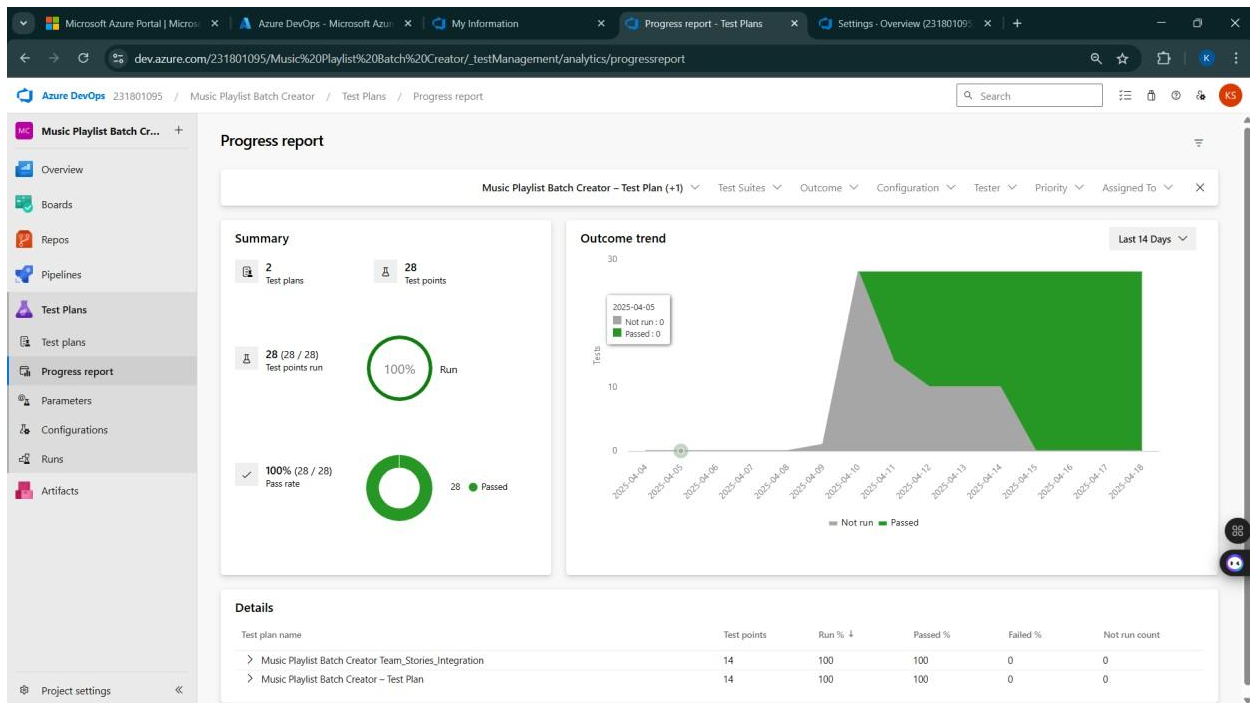
Last 14 Days

Not run

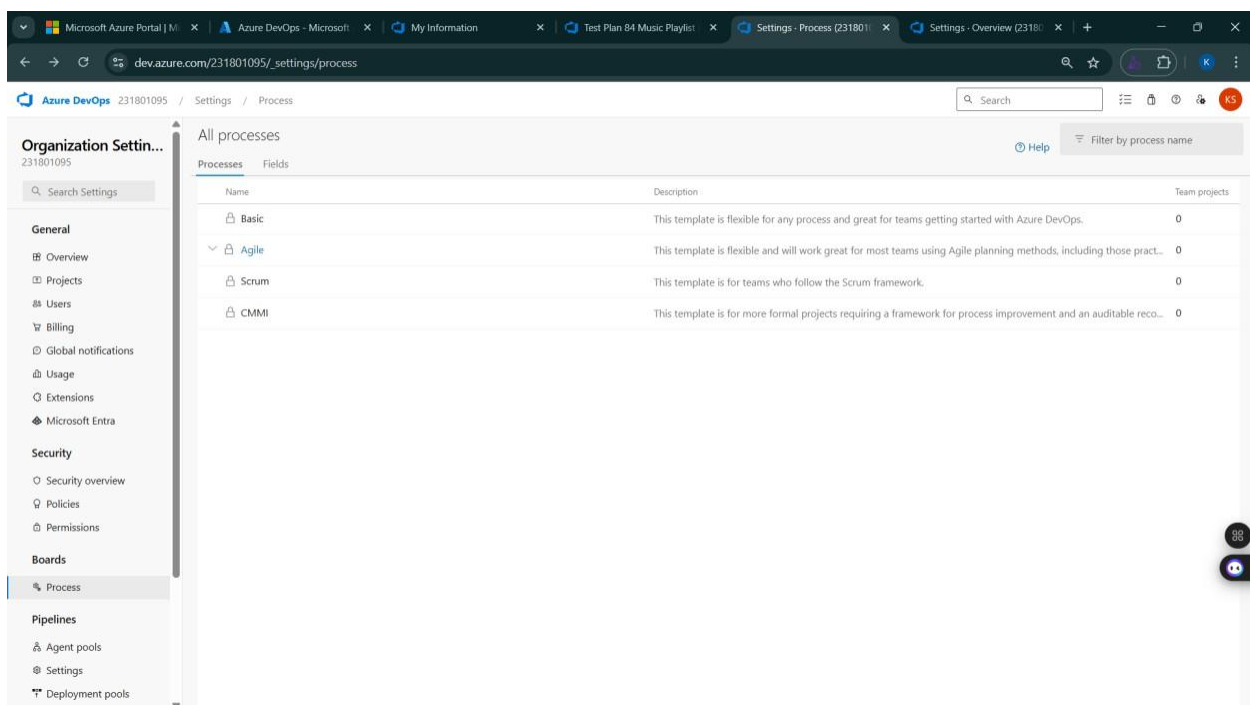
Passed

Details

Test plan name	Test points	Run %	Passed %	Failed %	Not run count
Music Playlist Batch Creator - Test Plan	14	100	100	0	0
TS01 - User Login	4	100	100	0	0
TS02 - View Playlists	2	100	100	0	0
TS03 - Real-Time Metadata	2	100	100	0	0
TS04 - Playlist Editing	4	100	100	0	0
TS05 - Smart Playlist Creation	2	100	100	0	0



11. Changing the test template



Microsoft Azure Portal | M | Azure DevOps - Microsoft | My Information | Test Plan 84 Music Playlist | Settings - Process (231801095) | Settings - Overview (231801095) | +

dev.azure.com/231801095/_settings/process

Azure DevOps 231801095 / Settings / Process

Organization Settings 231801095

Search Settings

General

- Overview
- Projects
- Users
- Billing
- Global notifications
- Usage
- Extensions
- Microsoft Entra

Security

- Security overview
- Policies
- Permissions

Boards

- Process

Pipelines

- Agent pools
- Settings
- Deployment pools

All processes

Processes Fields

Help Filter by process name

Name	Description	Team projects
Basic	This template is flexible for any process and great for teams getting started with Azure DevOps.	0
Agile	This template is flexible and will work great for most teams using Agile planning methods, including those practicing Scrum.	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 improvement and an auditable record.	0

Microsoft Azure Portal | M | Azure DevOps - Microsoft | My Information | Test Plan 84 Music Playlist | Settings - Process (231801095) | Settings - Overview (231801095) | +

dev.azure.com/231801095/_settings/process

Azure DevOps 231801095 / Settings / Process

Organization Settings 231801095

Search Settings

General

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- Process

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- Deployment pools

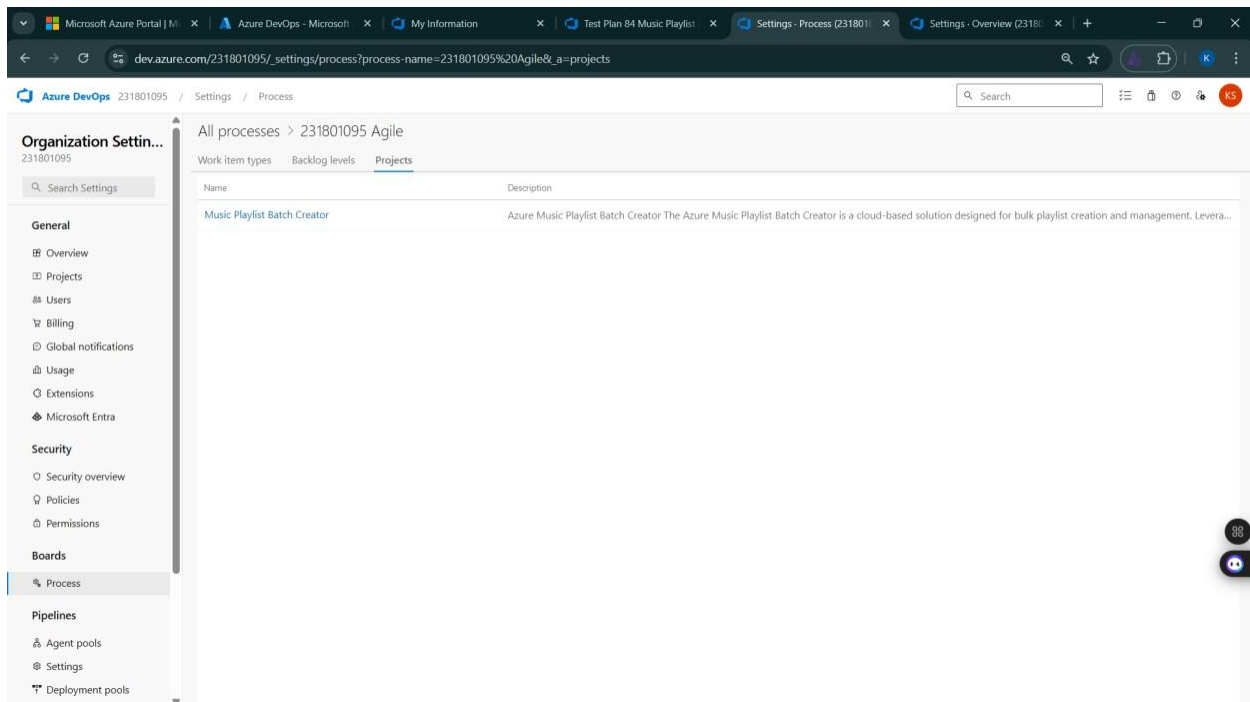
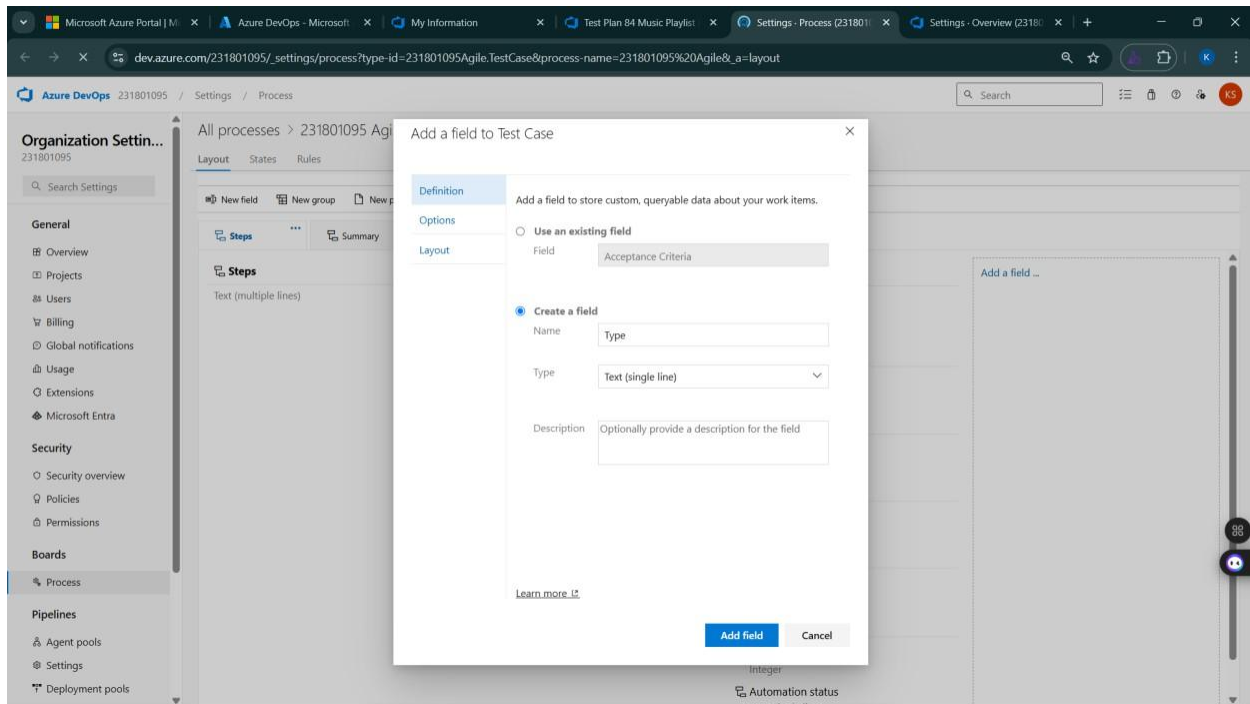
All processes

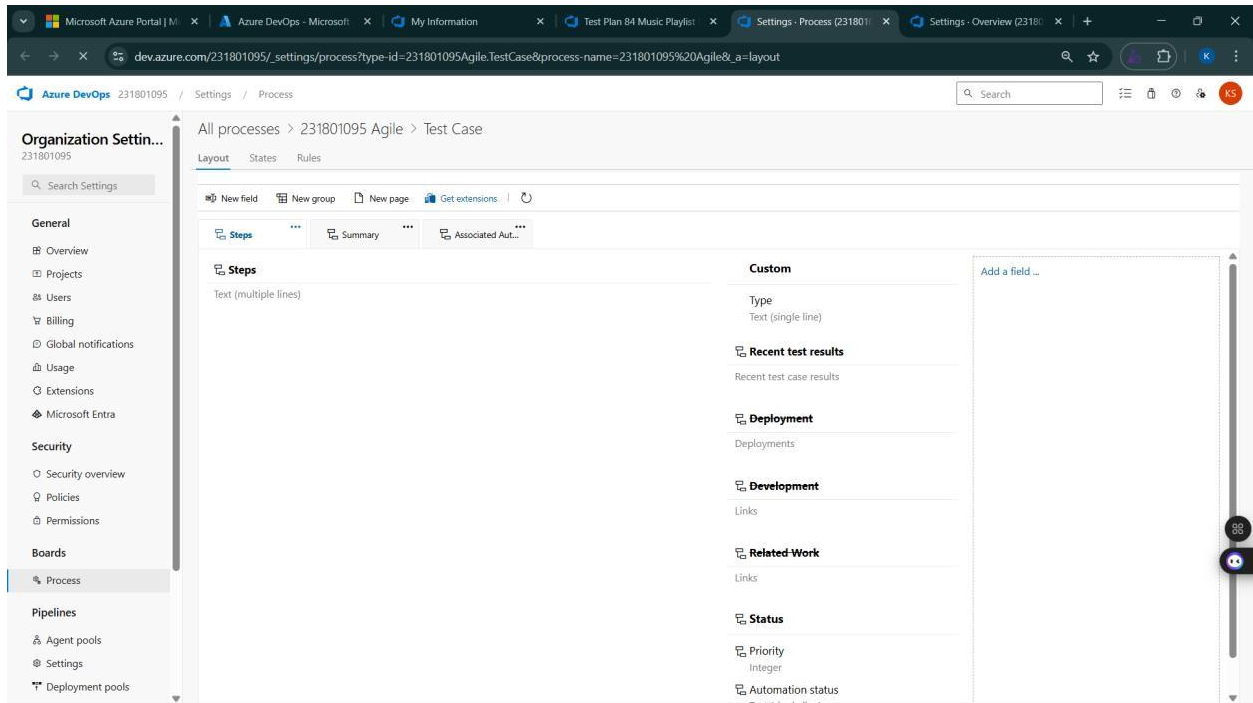
Processes Fields

Help Filter by process name

Name	Description	Team projects
Basic	This template is flexible for any process and great for teams getting started with Azure DevOps.	0
Agile	This template is flexible and will work great for most teams using Agile planning methods, including those practicing Scrum.	0
231801095 Agile (default)		1
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 improvement and an auditable record.	0

12. View the new test case template





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:

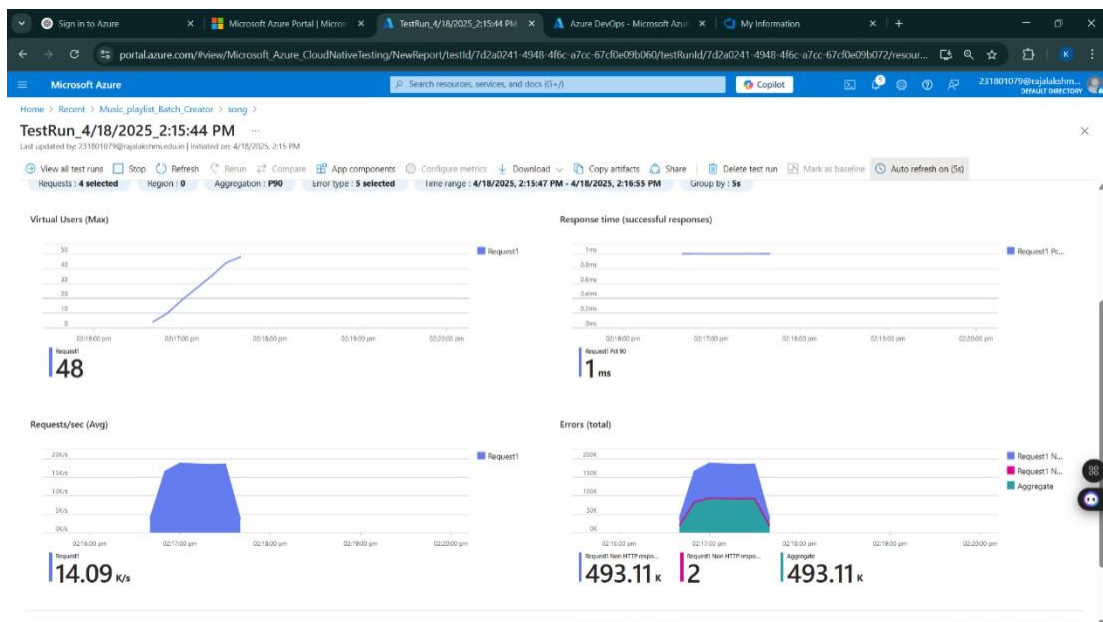
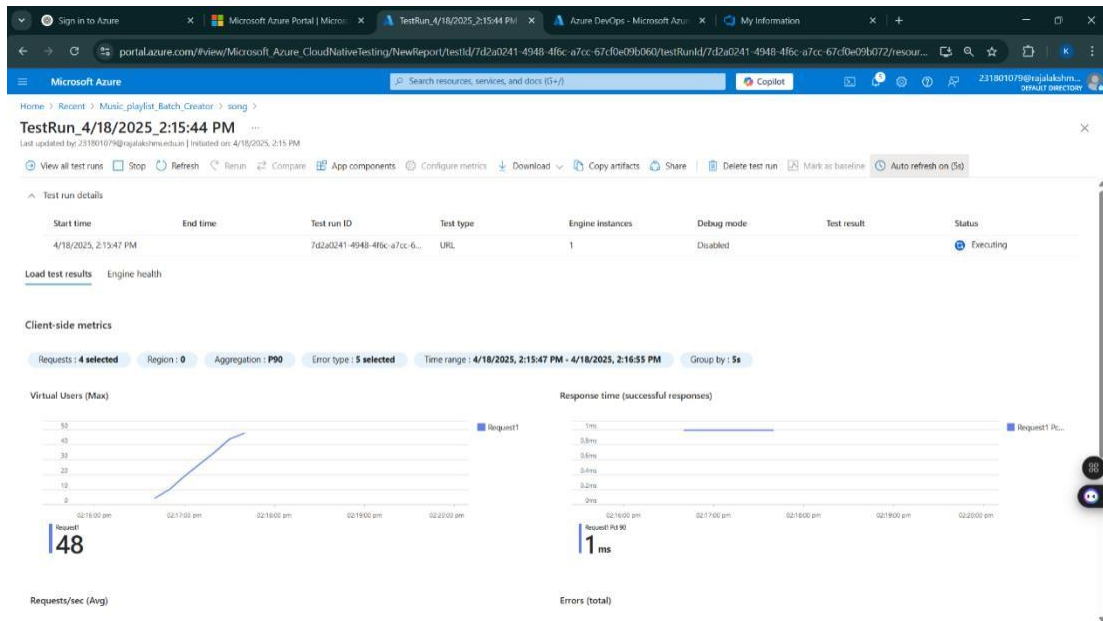
1. Sign in to Azure Portal
Go to <https://portal.azure.com> and log in.
2. Create the Resource
 - Go to *Create a resource* → Search for “Azure Load Testing”.
 - Select Azure Load Testing and click Create.
3. Fill in the Configuration Details
 - *Subscription*: Choose your Azure subscription.
 - *Resource 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.

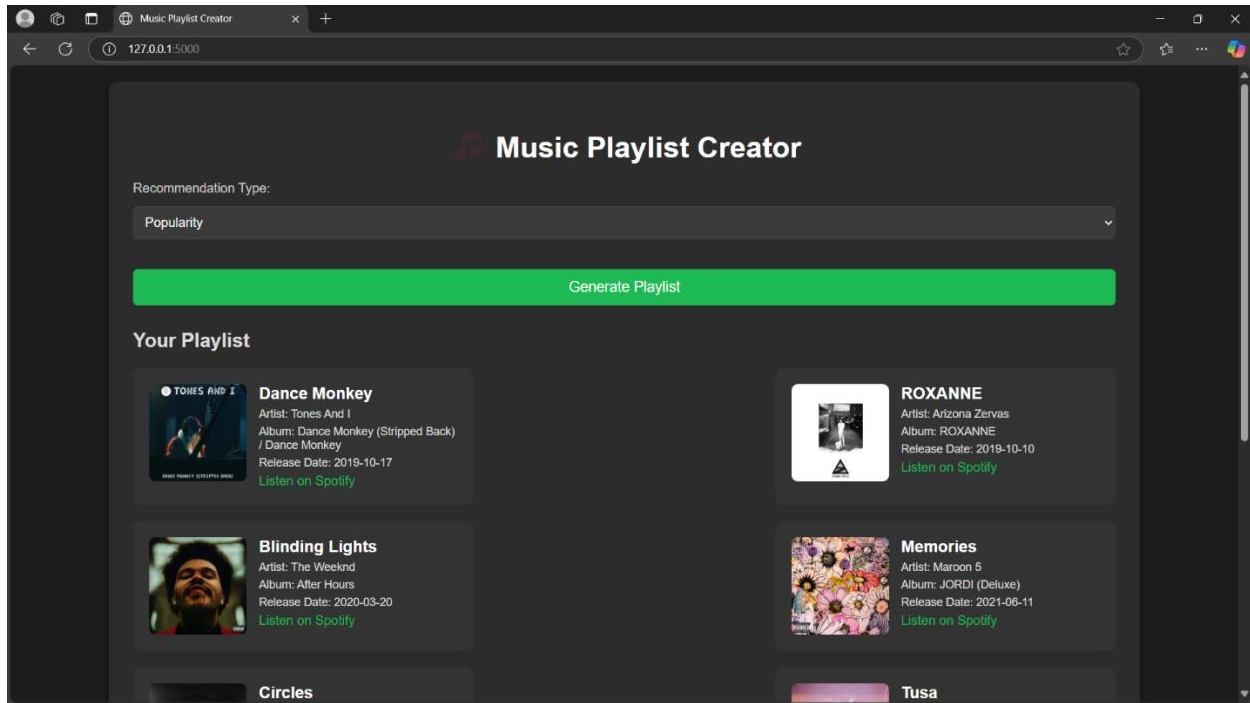
Steps to Create and Run a Load Test:

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.

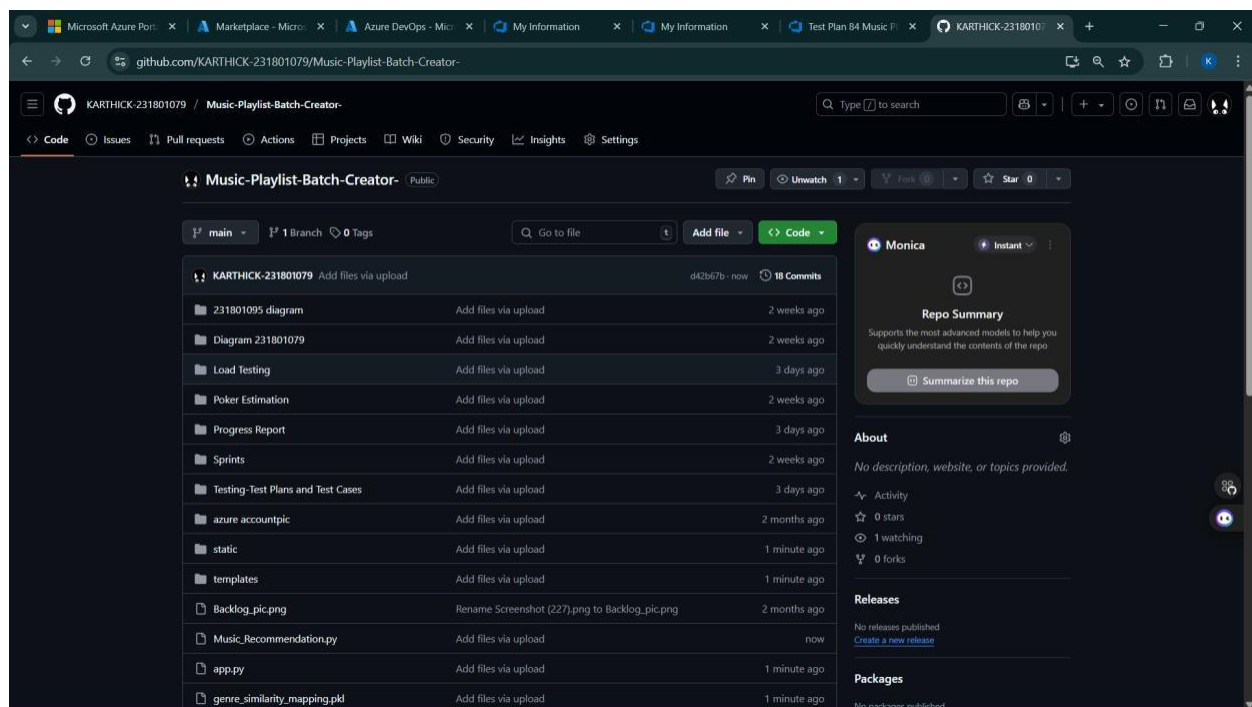
EXP NO: 10

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.