

EXP NO: 1

AZURE DEVOPS ENVIRONMENT SETUP

Aim:

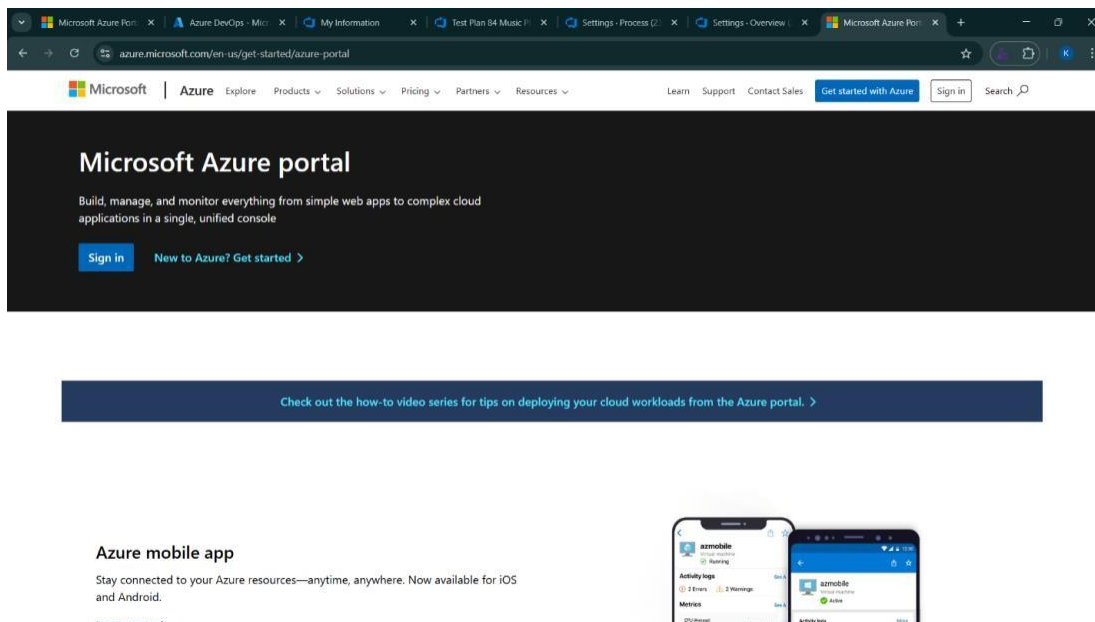
To set up and access the Azure DevOps environment by creating an organization through the Azure portal.

INSTALLATION

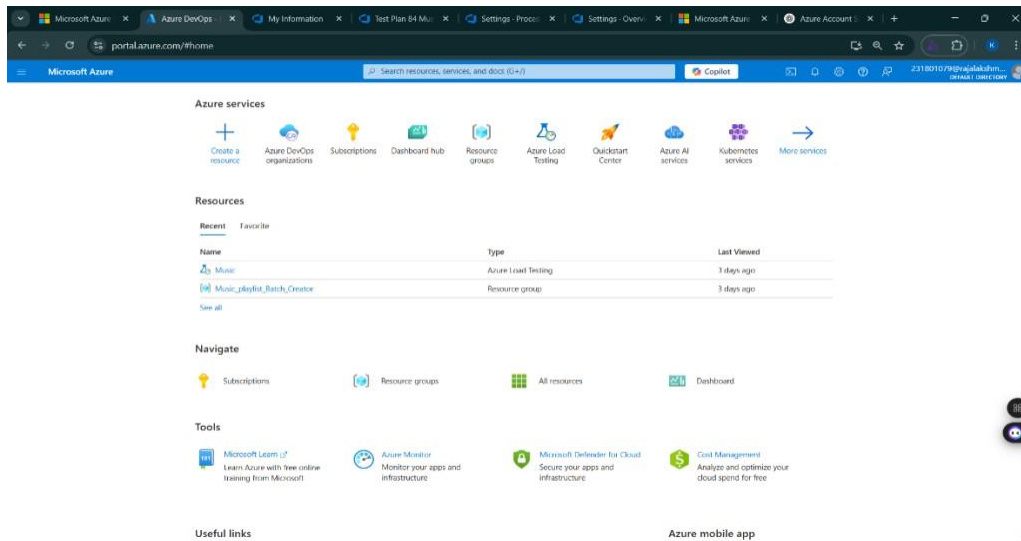
1. Open your web browser and go to the Azure website: <https://azure.microsoft.com/en-us/get-started/azure-portal>.

Sign in using your Microsoft account credentials.

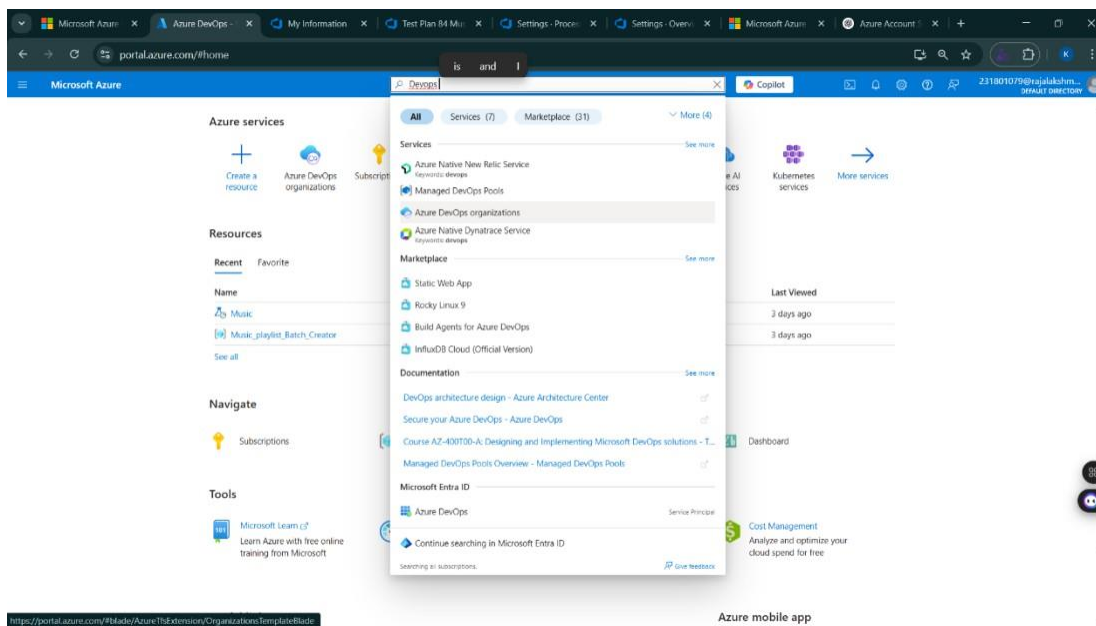
If you don't have a Microsoft account, you can create one here: <https://signup.live.com/?lic=1>



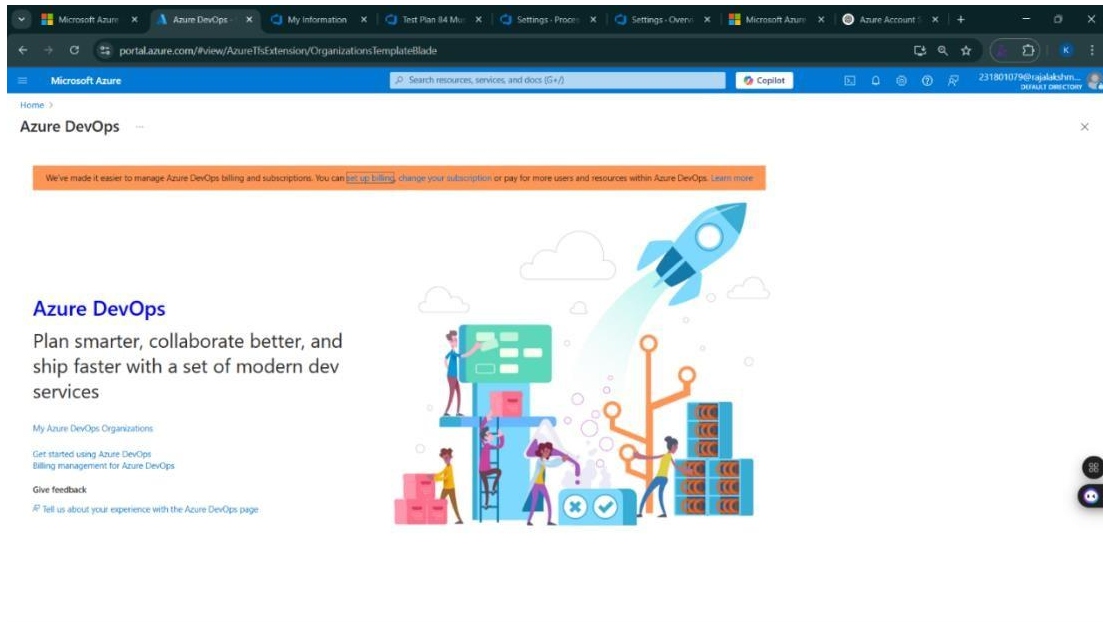
2. Azure home page



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.

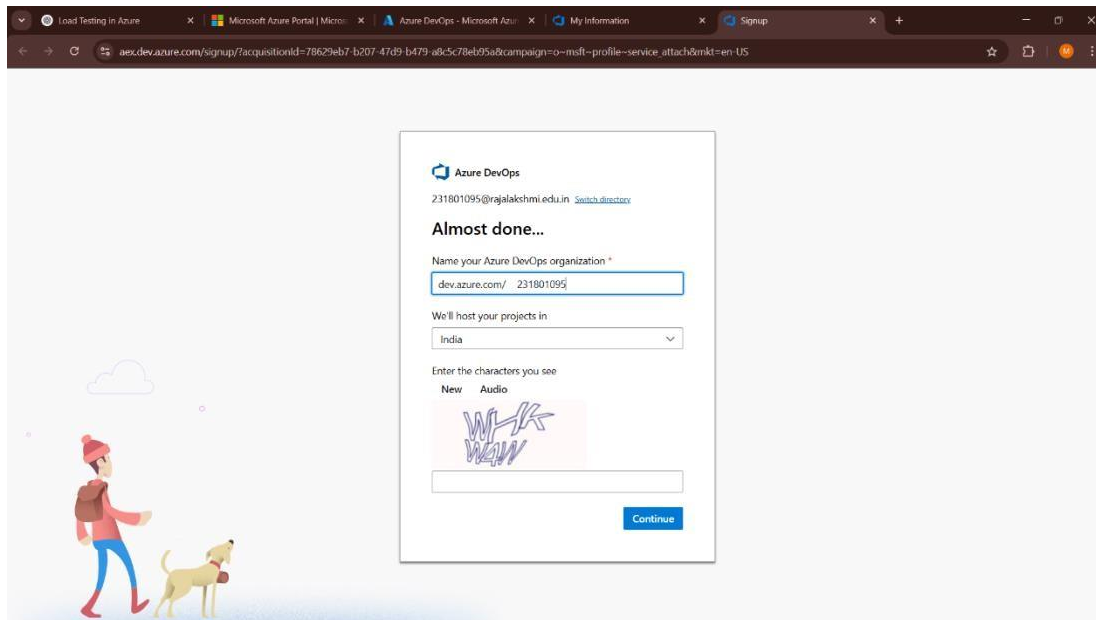
EXP NO: 2

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 *

BLOG_Management

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 ?

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.

Microsoft

Praveen R Sign out

PR

Praveen R

231001153@rajalakshmi.edu.in

Microsoft account

India

231001153@rajalakshmi.edu.in

Visual Studio Dev Essentials

Get everything you need to build and deploy your app on any platform.

Use your benefits

Azure DevOps Organizations

Create new organization

> dev.azure.com/153Newtest (Owner)

> dev.azure.com/231001153 (Owner)

> dev.azure.com/231001160 (Member)

> dev.azure.com/23blog-management (Member)

Projects

BLOG-Management

Actions

Open in Visual Studio

Manage security

Browse extensions

Leave

4. Project dashboard

Azure DevOps

23blog-management / BLOG-Management / Overview / Dashboards

Search

BLOG-Management

BLOG-Management Team - Overview

Edit

Overview

Summary

Dashboards

Wiki

Boards

Pipelines

Artifacts

Project settings

BLOG-Managemen...

Iteration 3

16 April - 7 May

14 days remaining

8

Work assigned to Praveen R

Last time you checked, there were no results.

0

Work

Backlog

Board

Task board

Queries

Burndown

06/05/2025 - 20/05/2025

Completed 0%

Average burndown -0.5

Total Scope Increase 7

Business Value Remaining 7

Items not estimated 6

Welcome

Get started using Azure DevOps to make the most of your team dashboard.

Manage Work

Add work to your board

Collaborate on code

Add code to your repository

Continuously integrate

Automate your builds

Visualize progress

Learn how to add charts

CS23432

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.

The screenshot shows the Azure DevOps interface for the 'BLOG-Management Team'. The left-hand navigation menu is visible, with 'Boards' selected. The main area displays the 'Backlog' view, which is a table of work items. The table has columns for 'Order', 'Work Item Type', 'Title', 'State', 'Effort', 'Busin...', 'Value Area', and 'Tags'. The work items are listed as 'Epic' type items with titles like 'User Authentication & Authorization', 'Blog Creation & Management', 'Content Organization & Categorization', 'User Engagement', 'Performance Optimization & Scalability', 'Analytics & Reporting', and 'Security & Compliance'. All items are in the 'New' state.

Order	Work Item Type	Title	State	Effort	Busin...	Value Area	Tags
+	Epic	> User Authentication & Authorization	New	9	7	Business	
	Epic	> Blog Creation & Management	New			Business	
	Epic	> Content Organization & Categorization	New			Business	
	Epic	> User Engagement	New			Business	
	Epic	> Performance Optimization & Scalability	New			Business	
	Epic	> Analytics & Reporting	New			Business	
	Epic	> Security & Compliance	New			Business	

The screenshot shows a Microsoft account sign-in overlay. The overlay is a white box with a dark blue header containing the Microsoft logo and a 'Sign out' button. Below the header, there is a circular profile picture placeholder with the letters 'PR'. To the right of the profile picture, the name 'Praveen R' is displayed, followed by the email address '231001153@rajalakshmi.edu.in'. Below the email address, there are two links: 'My Microsoft account' and 'Switch directory'. At the bottom of the overlay, there is a button labeled 'Sign in with a different account'.

Result:

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

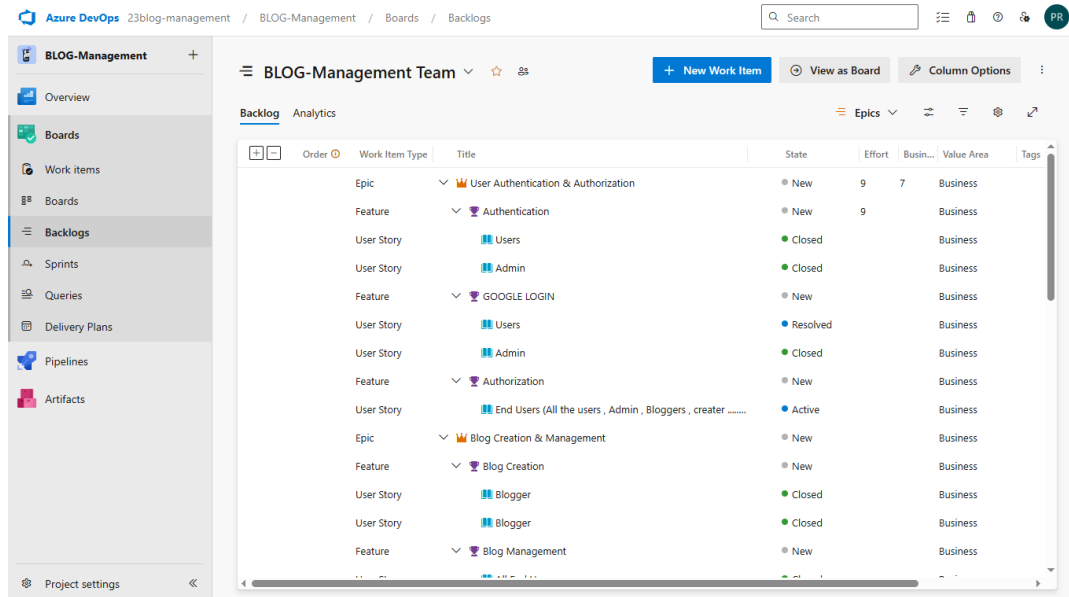
EXP NO: 3

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

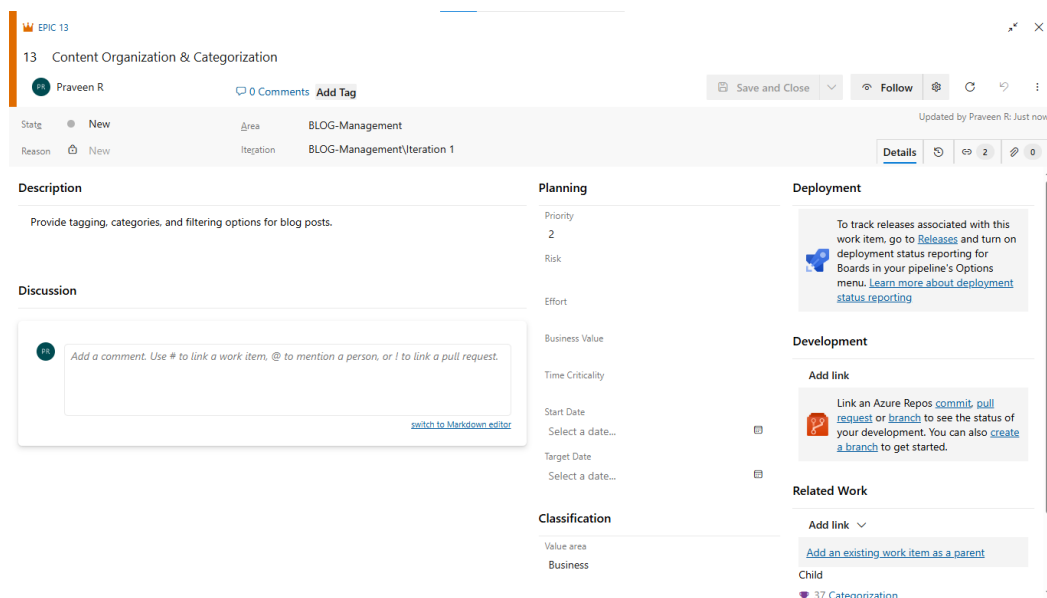
Aim:

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

FEATURE 3

3 Authentication

No one selected0 CommentsAdd Tag

Save and CloseFollow

Updated by Raghu V: Yesterday

Details30

Description

- Secure login and registration
- Role-based access control
- Multi-factor authentication (MFA)

Discussion

PR

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

switch to Markdown editor

Planning

Priority4

Risk1 - High

Effort9

Business Value

Time Criticality

Start Date

Select a date...

Target Date

Select a date...

Classification

Value area

Business

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

Parent

1 User Authentication & Authorization

Updated Yesterday

New

3.Fill in User Story Details

USER STORY 7

7 Users

No one selected0 CommentsAdd Tag

Save and CloseFollow

Updated by Raghu V: 11h ago

Details10

As a user : I want to login with the google account to imp user name or password (separate credentials)

Acceptance Criteria

Click to add Acceptance Criteria.

Discussion

PR

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

switch to Markdown editor

StateResolved

ReasonClosed in error

AreaBLOG-Management

IterationBLOG-Management\Iteration 1

Suggestions

BLOG-Management\Iteration 1

01/03/2025 - 25/03/2025

BLOG-Management

Iteration 1

01/03/2025 - 25/03/2025

Iteration 2

26/03/2025 - 15/04/2025

Iteration 3

16/04/2025 - 07/05/2025

Classification

Value area

Business

Gleek

9|eek_

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

Parent

4 GOOGLE LOGIN

Updated Yesterday

New

CS23432

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 BLOG-management team Creator Project.

Sprint Planning Sprint 1

The screenshot shows the Azure DevOps Sprints interface for the 'BLOG-Management Team'. The left sidebar contains navigation options: Overview, Boards, Work items, Backlogs, Sprints (selected), Queries, and Delivery Plans. The main area displays the 'Taskboard' for 'Iteration 3' (April 16 - May 7, 22 work days). The board has columns for New, Active, Resolved, and Closed. A card for '34 End Users' is visible in the 'New' column, with a dropdown menu showing 'Task' and 'Bug' options. The top navigation bar includes 'Azure DevOps', '23blog-management / BLOG-Management / Boards / Sprints', a search bar, and a 'PR' button.

Sprint 2

The screenshot shows the Azure DevOps Sprints interface for the 'BLOG-Management Team' in 'Sprint 2'. The left sidebar is the same as in Sprint 1. The main area displays the 'Taskboard' for 'Iteration 2'. The board has columns for New and Active. Several cards are visible in the 'New' column, each representing a user story with a count and status (e.g., '11 Blogger', '23 Readers', '27 Creator'). Each card has a dropdown menu with 'Unassigned' and 'Assigned' options. The top navigation bar is identical to the Sprint 1 view.

Sprint 3

The screenshot shows the Azure DevOps interface for a project named '23blog-management'. The left sidebar contains navigation links: Overview, Boards, Work items, Boards, Backlogs, Sprints (selected), Queries, Delivery Plans, Pipelines, and Artifacts. The main area displays the 'BLOG-Management Team' sprint board for 'Iteration 1'. The board has columns for 'New', 'Active', 'Resolved', and 'Closed'. The 'New' column contains four work items: '19 Reader' (Closed, Unassigned), '20 Users' (Closed, Unassigned), '24 Admin' (Closed, Unassigned), and '24 Admin' (Closed, Unassigned). The 'Active' column is empty. The 'Resolved' and 'Closed' columns are also empty. The board is titled 'BLOG-Management Team' and includes a search bar, a 'New Work Item' button, and a 'Column Options' button. The date range is 'March 1 - March 25' with '25 work days' remaining.

Sprint 4

The screenshot shows the Azure DevOps interface for the same project '23blog-management'. The left sidebar is identical to the previous screenshot. The main area displays the 'BLOG-Management Team' sprint board for 'Iteration 4'. The board has columns for 'New', 'Active', 'Resolved', and 'Closed'. The 'New' column contains two work items: '28 Admin' (Closed, Unassigned) and '32 End Users' (Closed, Unassigned). The 'Active', 'Resolved', and 'Closed' columns are empty. The board is titled 'BLOG-Management Team' and includes a search bar, a 'New Work Item' button, and a 'Column Options' button. The date range is 'May 8 - May 29' with '10 work days remaining'.

Result:

The Sprints are created for the BLOG-management Team creator Project.

EXP NO: 5

POKER ESTIMATION

Aim:

Create Poker Estimation for the user stories – BLOG-management System Project.

Poker Estimation

The screenshot displays an Azure DevOps work item interface for a project named 'EPIC 9*'. The work item is titled '9 Blog Creation & Management' and is currently in the 'New' state. It is categorized under the 'BLOG-Management' area and 'BLOG-Management\Iteration 1' iteration. The work item has 0 comments and no tags. The 'Description' field contains the text: 'Allow users to create, edit, delete, and publish blogs.' The 'Discussion' section shows a comment box with the placeholder text: 'Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.' The 'Planning' section includes fields for Priority (3), Risk, Effort (5), Business Value, Time Criticality, Start Date, and Target Date. The 'Deployment' section includes a link to 'Releases' and a note about deployment status reporting. The 'Development' section includes a link to 'Add link' and a note about linking Azure Repos commit, pull request, or branch. The 'Related Work' section is also visible.

EPIC 9*

9 Blog Creation & Management

No one selected 0 Comments Add Tag

Save and Close Follow

Updated by Raghu V: Yesterday

State: New Area: BLOG-Management Reason: New Iteration: BLOG-Management\Iteration 1

Details 2 0

Description

Allow users to create, edit, delete, and publish blogs.

Discussion

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: 3

Risk:

Effort: 5

Business Value:

Time Criticality:

Start Date: Select a date...

Target Date: Select a date...

Classification

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

Result:

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

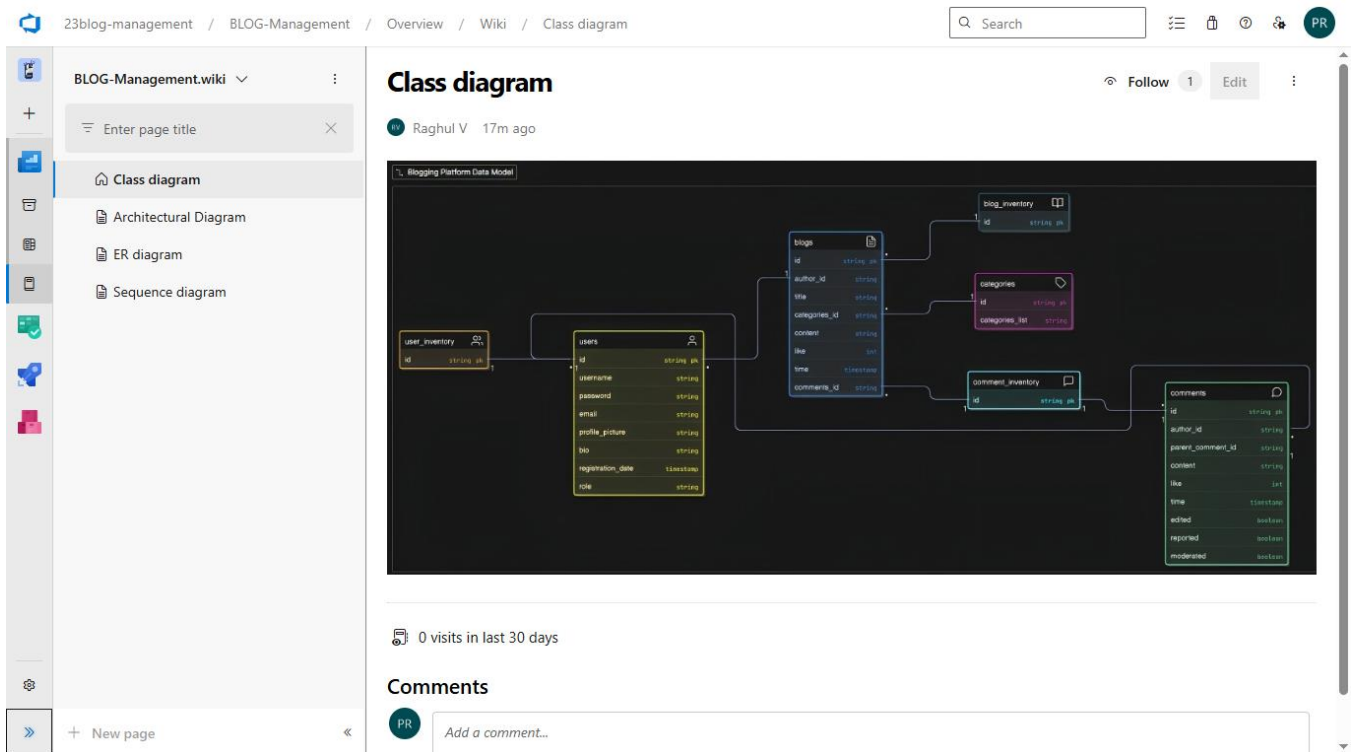
EXP NO: 6

DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR PROJECT ARCHITECTURE

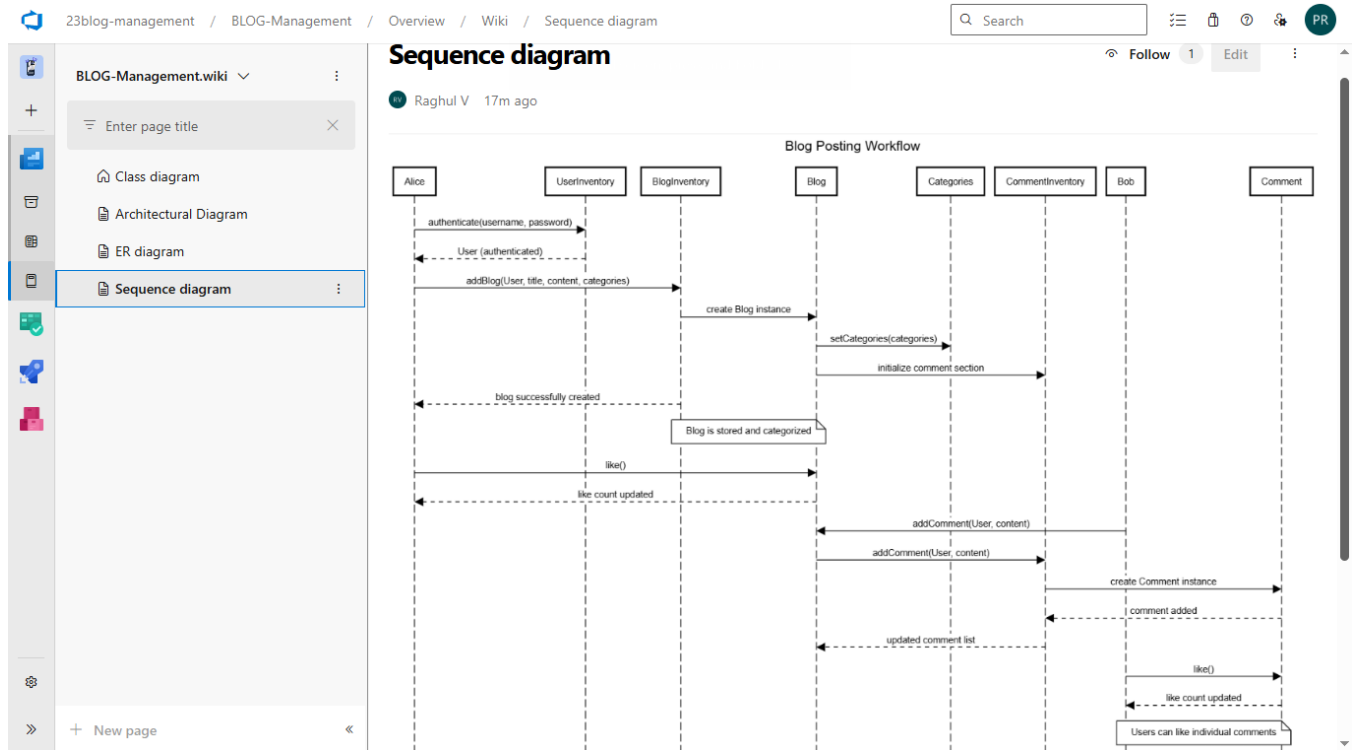
Aim:

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 BLOG management System.

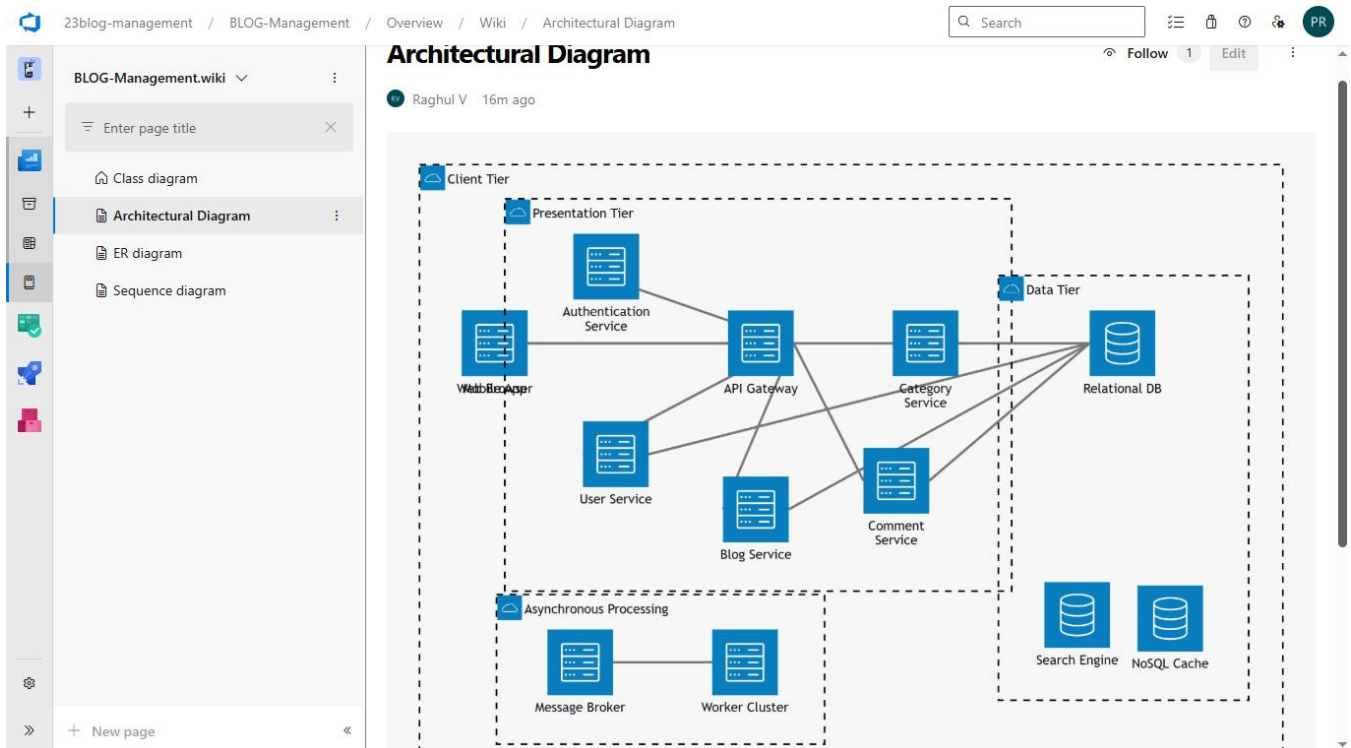
EXP NO: 7

DESIGNING ARCHITECTURAL AND ER DIAGRAMS FOR PROJECT STRUCTURE

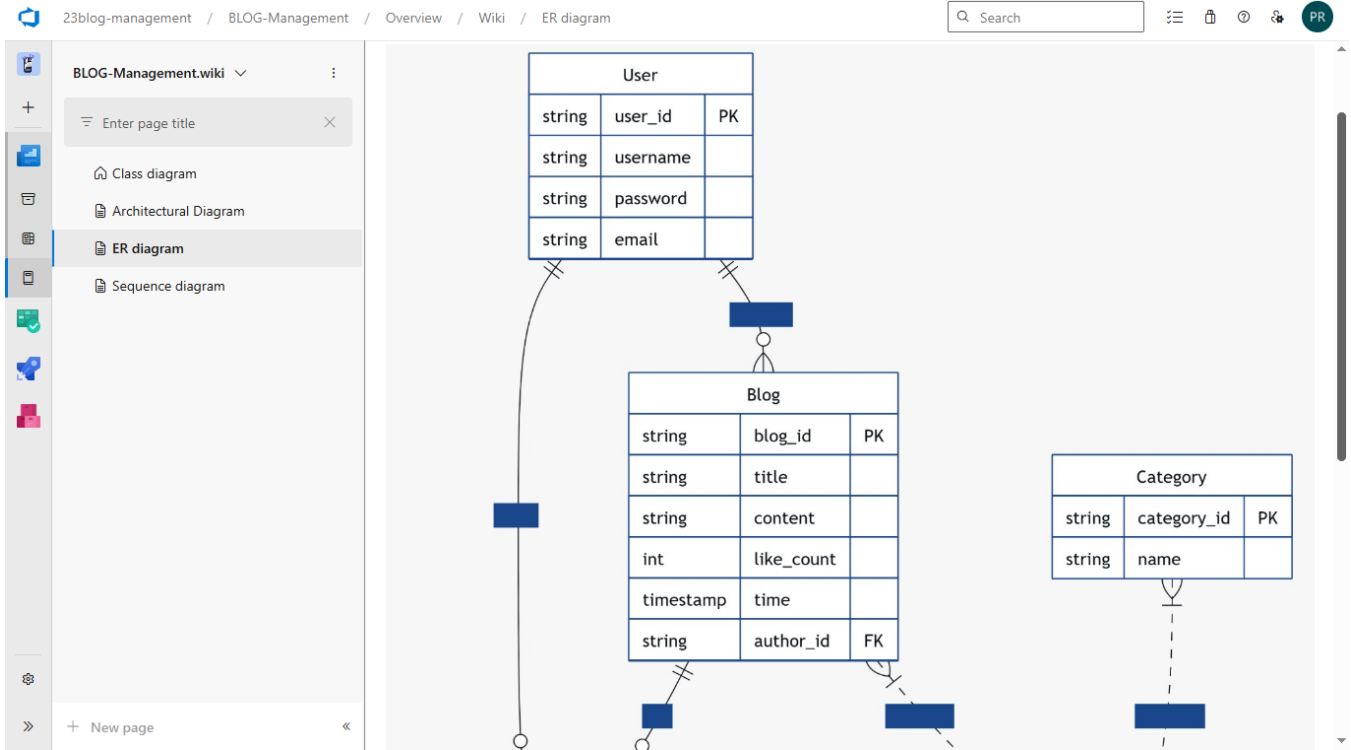
Aim:

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 BLOG -management System.

EXP NO: 8	TESTING – TEST PLANS AND TEST CASES
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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 the Blog (Title, Content, Tags)
- Creating Smart Blog Filters Based on Categories

2. Define User Interactions

- Each test case simulates a real user behavior.

3. Design Happy Path Test Cases

- Focused on validating that all features function as expected under normal conditions
- Example: user logs in, creates a blog post, or filters blogs by category.

4. Design Error Path Test Cases

- Simulate negative or unexpected scenarios to test robustness and error handling.
- Example: login fails with invalid credentials, blog creation fails with empty fields, no blogs found for selected category.

5. Break Down Steps and Expected Results

- Each test case includes clear steps and expected results to ensure accuracy for testers and automation in blog management.

6. Use Clear Naming and IDs

- Test cases are named clearly.
- TC01 – Successful Login, TC05 – Blog Save Fails) to allow quick identification and linking to blog-related user stories or features.

7. Separate Test Suites

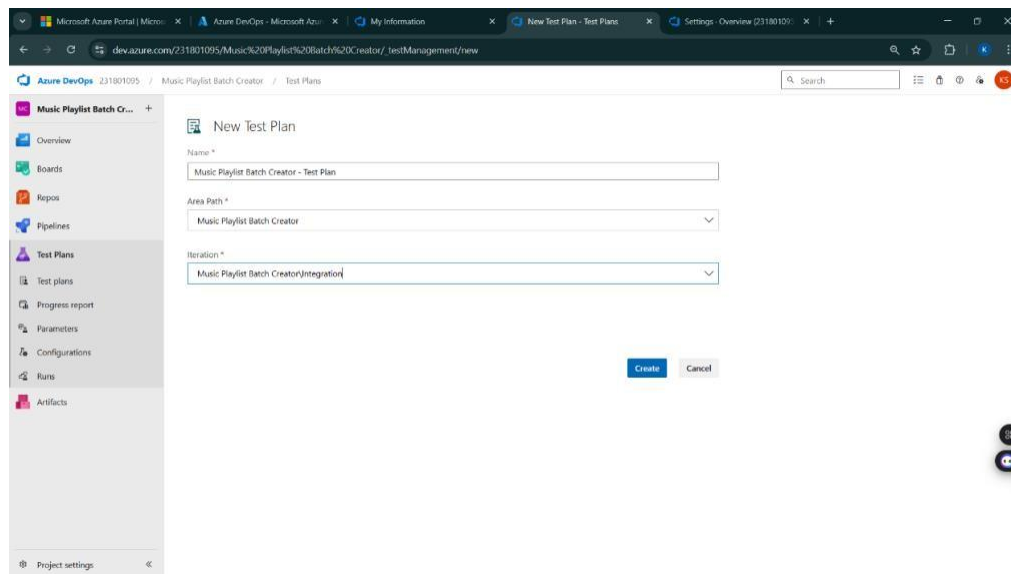
- Test cases are grouped by functionality (e.g., Login, Blog Editing, Category Filtering) for better organization in blog management.

- Improves organization and test execution flow in Azure DevOps.

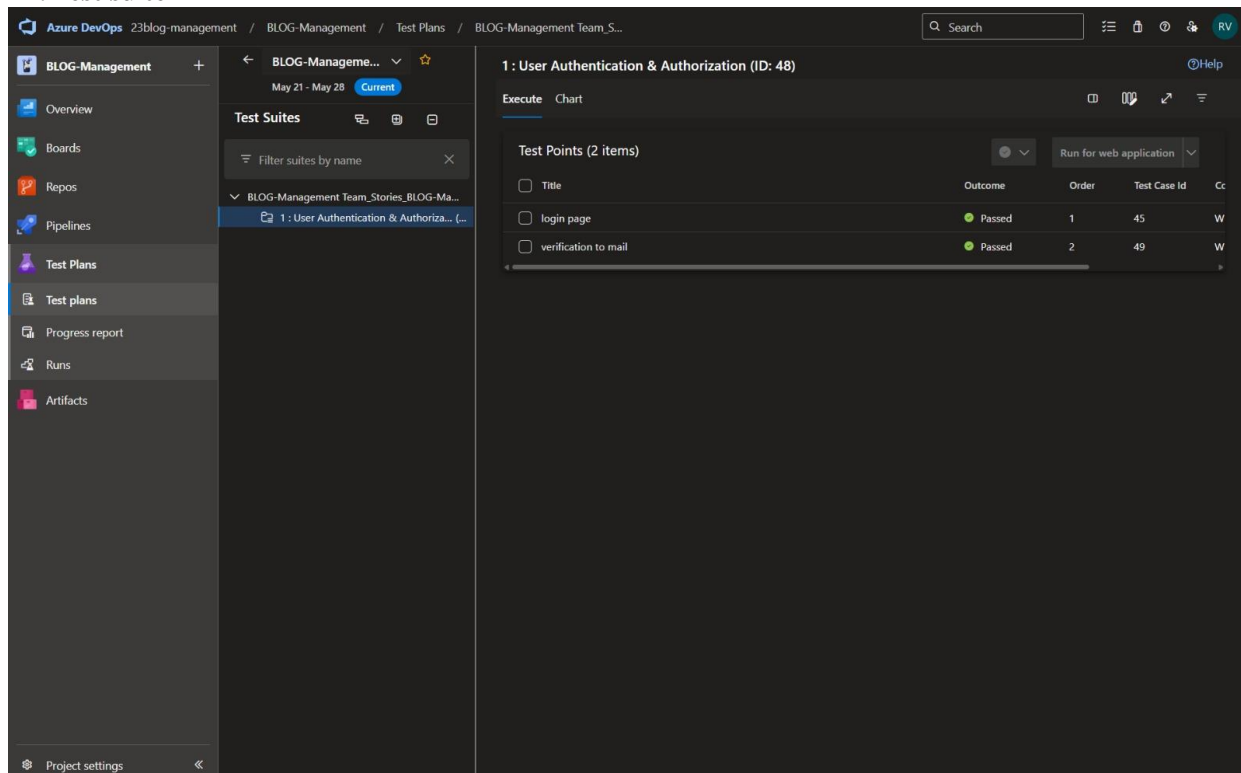
8. Prioritize and Review

- 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 "Home page of Blog" section.
- **Expected Results:**
 - All created playlists are displayed clearly.
- **Type:** Happy Path

2. TC06 – Home page Loading Failure

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

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

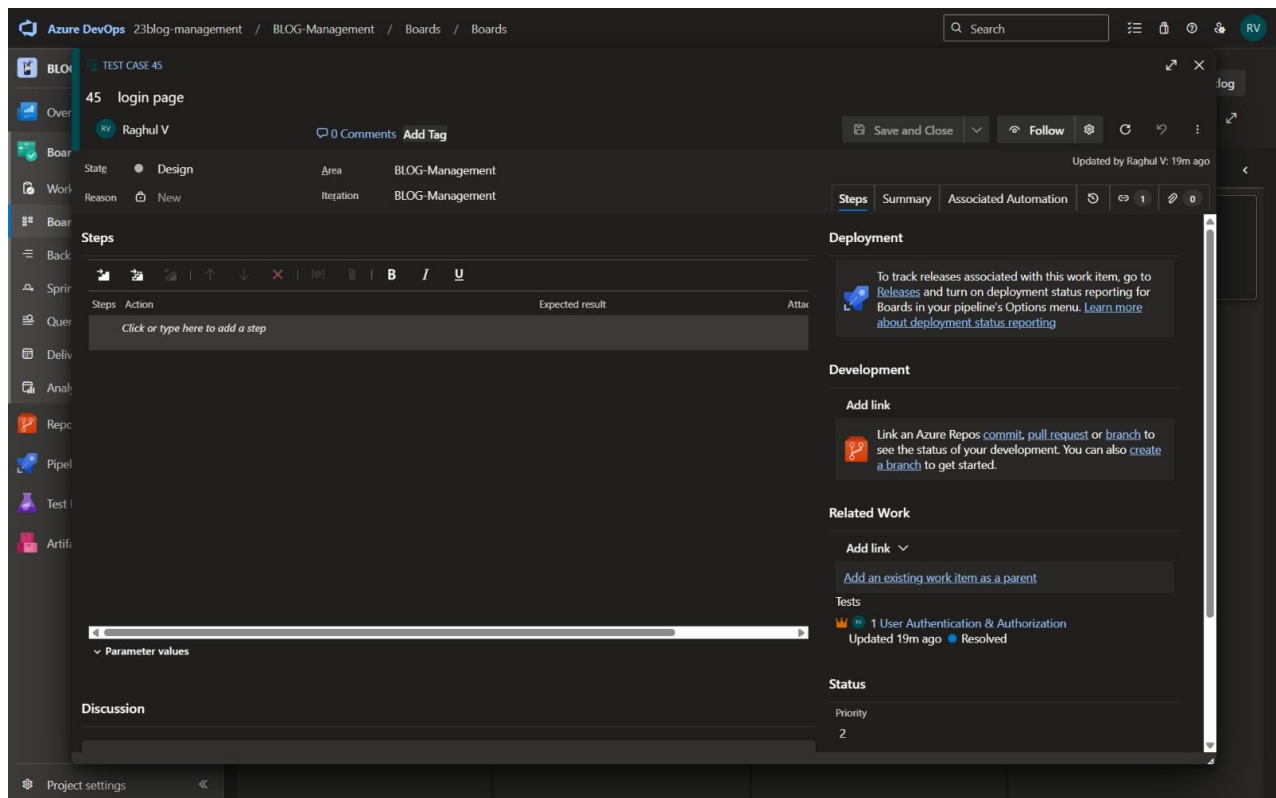
1. TC07 – Real-Time Metadata Display

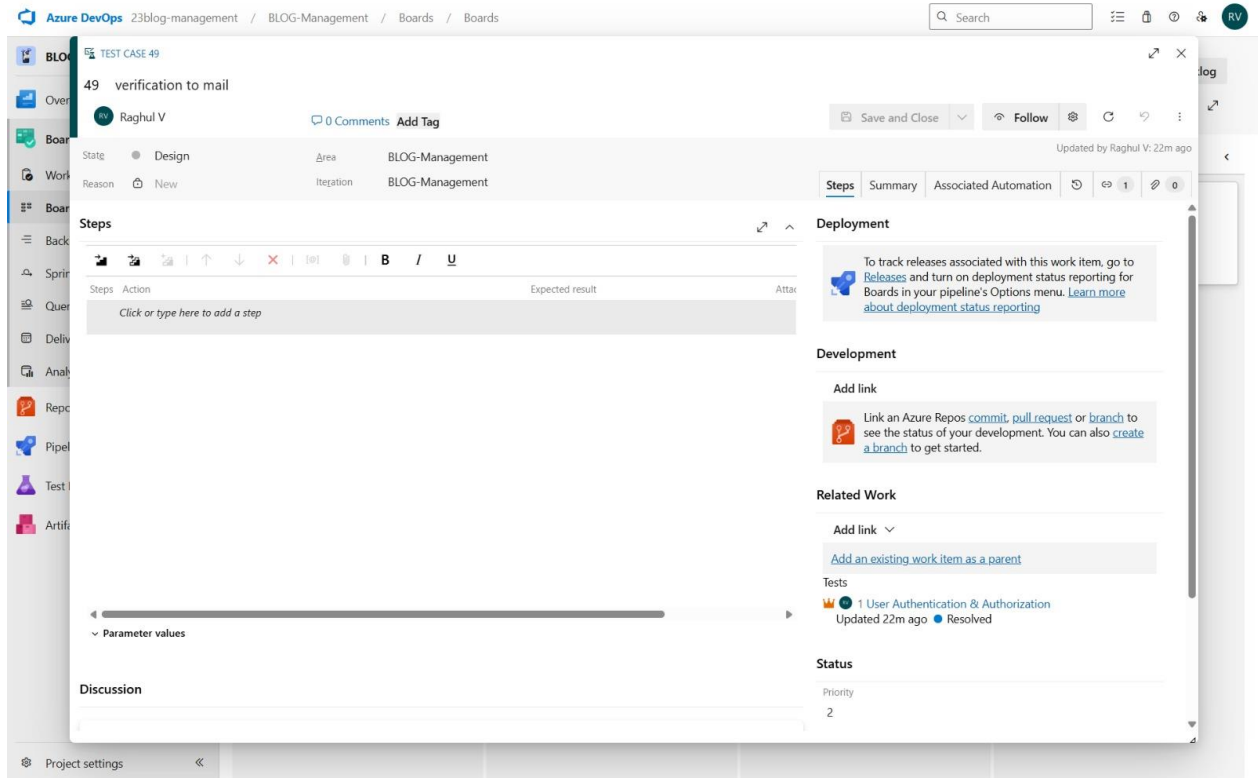
- **Action:**
 - Create blog.
 - Observe the metadata panel.
- **Expected Results:**
 - Metadata is displayed and updates in real time.
- **Type:** Happy Path

2. TC08 – Metadata Not Updating

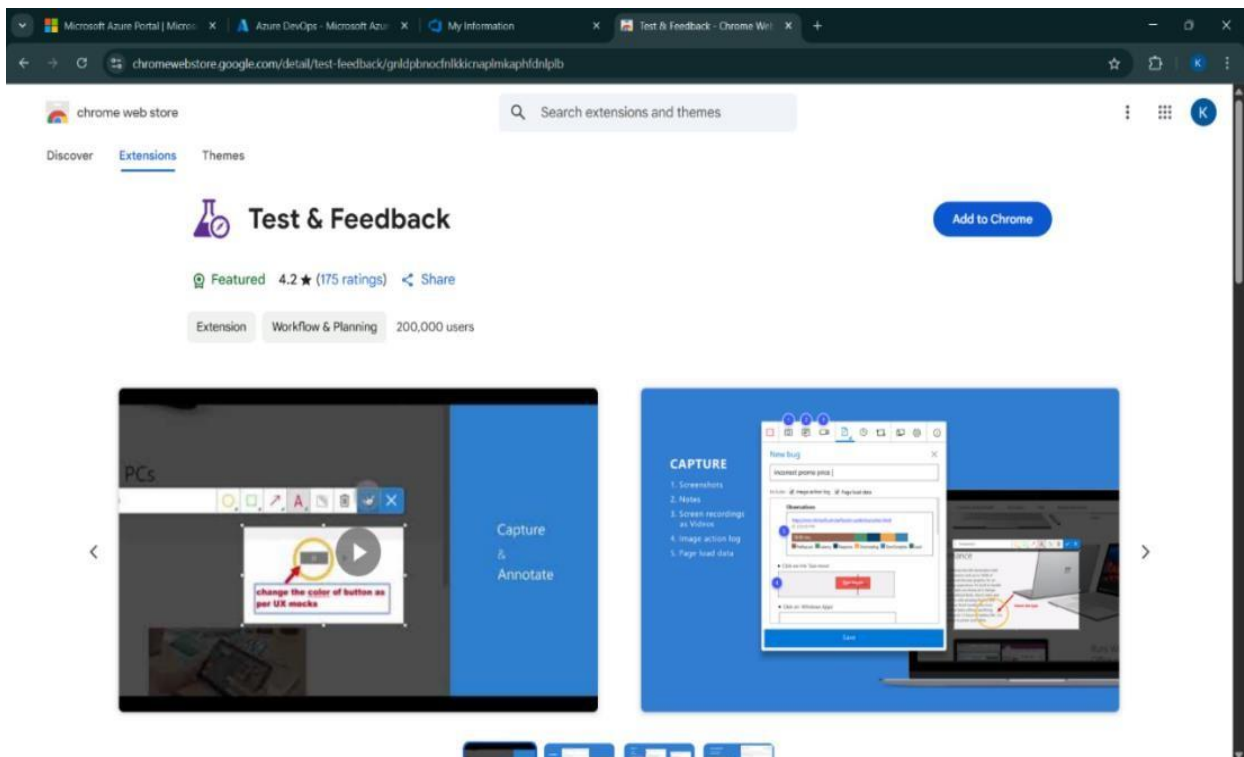
- **Action:**
 - Create a blog.
 - Observe the metadata panel.
- **Expected Results:**
 - Metadata remains static or shows default/fallback message.
- **Type:** Error Path

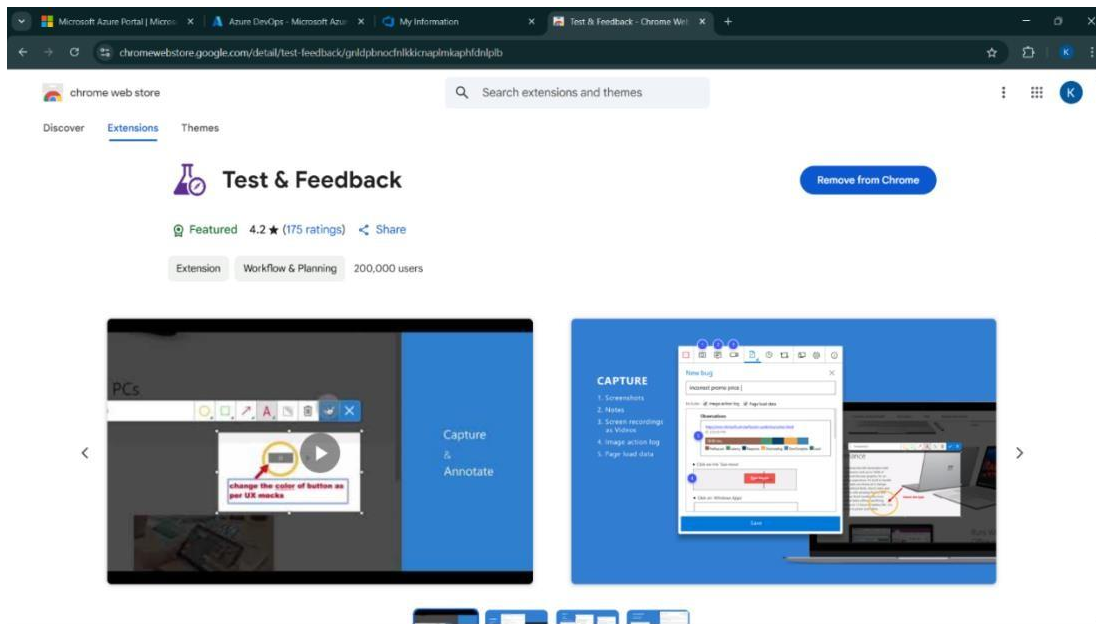
Test Cases





4. Installation of test





Test and feedback
Showing it as an extension

Title	Outcome	Order	Test Case Id	Comments
login page	Passed	1	45	W
verification to mail	Passed	2	49	W

5. Running the test cases

1: User Authentication & Authorization (ID: 48)

Test Points (2 items)

Title	Outcome	Order	Test Case Id	Cc
login page	Passed	1	45	W
verification to mail	Passed	2	49	W

Run for web application

- View execution history
- Mark Outcome
- Run
- Reset test to active
- Edit test case
- View test result

- Run for web application
- Run for desktop application
- Run with options

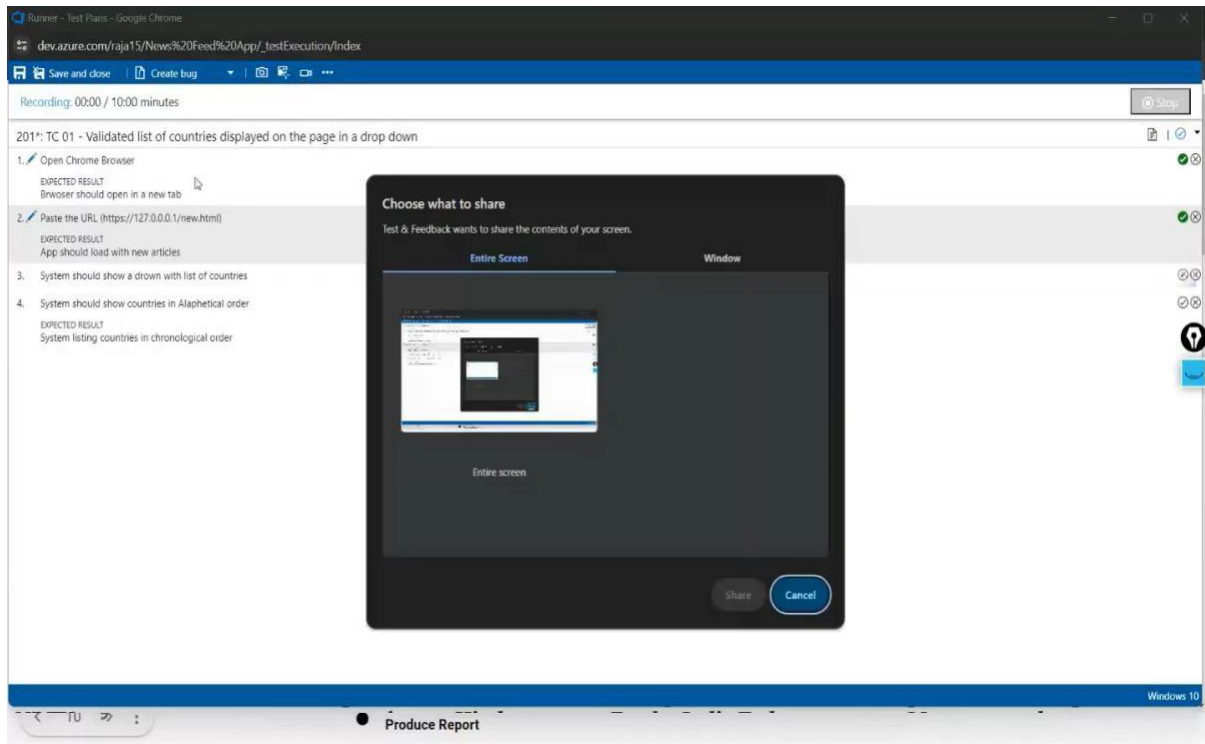
Runner - Test Plans - Google Chrome

dev.azure.com/23blog-management/BLOG-Management/_testExecution/Index

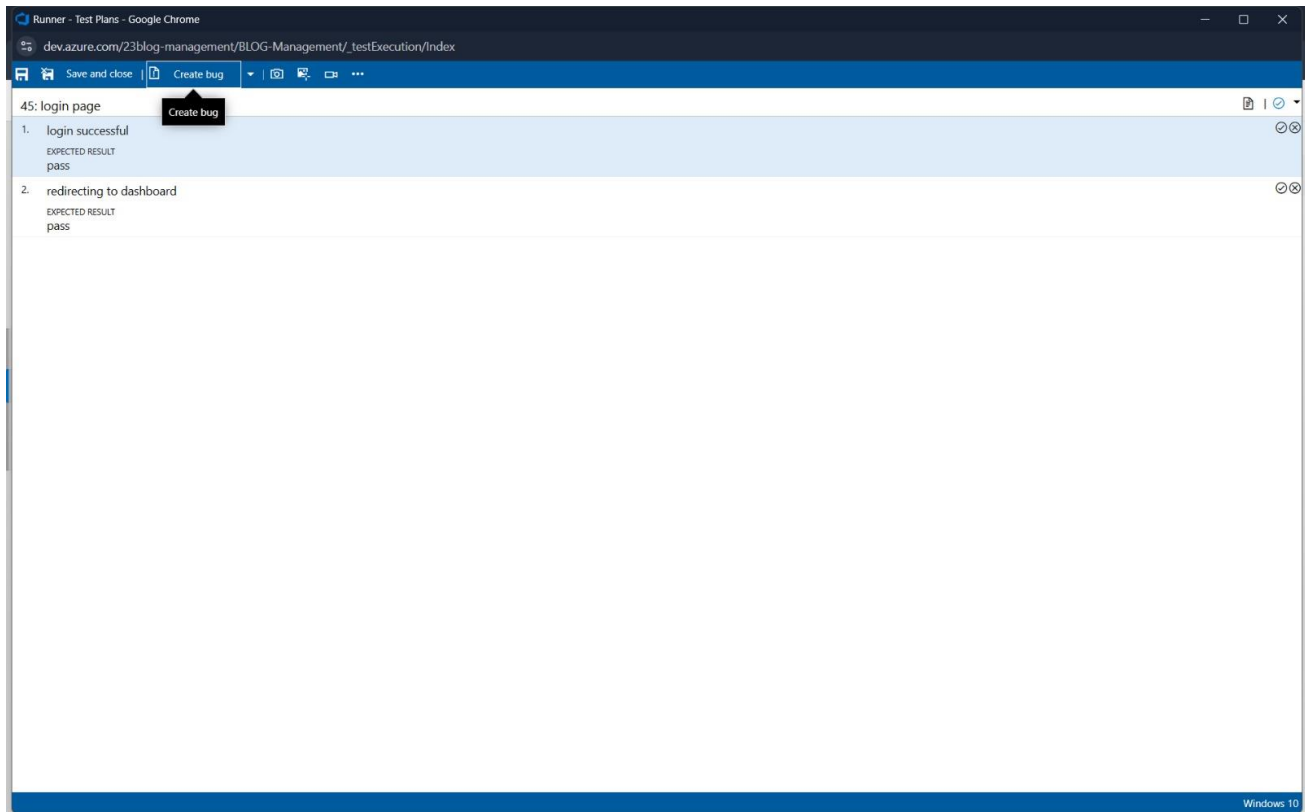
45: login page

Step	Expected Result	Actual Result
1. login successful	pass	pass
2. redirecting to dashboard	pass	pass

6. Recording the test case



7. Creating the bug



Runner - Test Plans - Google Chrome

dev.azure.com/23blog-management/BLOG-Management/_testExecution/Index

45: login page

1. login successful
EXPECTS
pass

2. redirecting to dashboard
EXPECTS
pass

NEW BUG *

Login takes more than 10 seconds

Unassigned 0 comments Add tag Save & Close

State: **New** Area: BLOG-Management Reason: New Iteration: BLOG-Management Details (3)

Repro Steps

5/21/2025 6:00 AM Bug filed on "login page"

Step no.	Result	Title
1.	None	login successful
		Expected Result
		pass
2.	None	redirecting to dashboard
		Expected Result
		pass

Test Configuration: Windows 10

System Info

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

Parent

1 User Authentication & Authorization Updated 3 hours ago, Resolved

Tested By

45 login page Updated 4 minutes ago, Design

Gleek

Windows 10

Runner - Test Plans - Google Chrome

dev.azure.com/23blog-management/BLOG-Management/_testExecution/Index

45: login page

1. login successful
EXPECTS
pass

2. redirecting to dashboard
EXPECTS
pass

NEW BUG *

Login takes more than 10 seconds

Unassigned 0 comments Add tag Save & Close

State: **New** Area: BLOG-Management Reason: New Iteration: BLOG-Management Details (3)

System Info

Browser - Name	Google Chrome 136
Browser - Language	en-GB
Browser - Height	976
Browser - Width	1552
Browser - User agent	Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/136.0.0.0 Safari/537.36
Operating system - Name	Windows NT 10.0; Win64; x64
Operating system - Architecture	x86_64
Operating system - Processor model	12th Gen Intel(R) Core(TM) i7-12700H
Operating system - Number of processors	20
Memory - Available	58320842752
Memory - Capacity	68374552576
Display - Pixels per inch (X axis)	120
Display - Pixels per inch (Y axis)	120
Display - Device pixel ratio	1.25

Discussion

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

Gleek

Updated 4 minutes ago, Design

System Info

Found in Build

Integrated in Build

Windows 10

8. Test case results

The screenshot displays the Azure DevOps interface for a test plan titled '1: User Authentication & Authoriza...'. The left sidebar shows the 'Test Plans' section. The main area shows the 'Test Suites' and 'Test Points' for the selected test plan. The 'Test Points' list includes 'login page' and 'verification to mail'. A modal window titled 'Test Case Results' is open, showing a table of test results for the 'login page' test point.

Outcome	TimeSta...	Configuration	Run by	Tester	Test
Passed	13m ago	Windows 10	Raghul V	Raghul V	BLO
Passed	3h ago	Windows 10	Raghul V	Raghul V	BLO

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

9. Test report summary

The screenshot displays the Azure DevOps interface for a bug report titled '203 BG 01 - Countries Drop down Not Available on the page'. The left sidebar shows the 'Work Items' section. The main area shows the bug details, including the state (New), reason (New), and repro steps. The 'Repro Step' section lists three steps: 1. Open Chrome Browser (Passed), 2. Paste the URL (Passed), and 3. App should load with new articles (Failed). The 'Planning' section shows the resolved reason, story points, priority, severity, and activity. The 'Deployment' section shows the link to the release and the effort (hours).

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	App should load with new articles

Planning

Resolved Reason	Story Points	Priority	Severity	Activity
	2	3 - Medium		

Deployment

Link	Effort (Hours)
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

Microsoft Azure Portal | Azure DevOps - Micro | My Information | Test Plan 84 Music P | Runs - Test Plans | Runs - Test Plans | Settings - Overview | +

dev.azure.com/231801095/Music%20Playlist%20Batch%20Creator/_testManagement/runs?_a=resultSummary&runId=48&resultId=100000

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

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

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

Karthick S 0 comments Add tag

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
2.	Failed	Comments: Page Not loading
		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

2. Navigate to "My Playlists"

10. Progress report

Azure DevOps 23blog-management / BLOG-Management / Test Plans / Progress report

BLOG-Management +

Overview

Boards

Repos

Pipelines

Test Plans

Test plans

Progress report

Runs

Artifacts

Project settings

Progress report

BLOG-Management Team_Stories_BLOG-Manageme... Test Suites Outcome Configuration Tester Priority Assigned To X

Summary

1 Test plans 2 Test points

2 (2 / 2) Test points run 100% Run

100% (2 / 2) Pass rate 2 Passed

Outcome trend

14/05/2025 - 21/05/2025

Tests

2025-05-14 2025-05-15 2025-05-16 2025-05-17 2025-05-18 2025-05-19 2025-05-20 2025-05-21

Passed

Details

Test plan name	Test points	Run %	Passed %	Failed %	Not run count
BLOG-Management Team_Stories_BLOG-Management	2	100	100	0	0
1 : User Authentication & Authorization	2	100	100	0	0

11. Changing the test template

Azure DevOps 23blog-management / Settings / Process

Search

Organization Settings
23blog-management

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
- Parallel jobs
- OAuth configurations

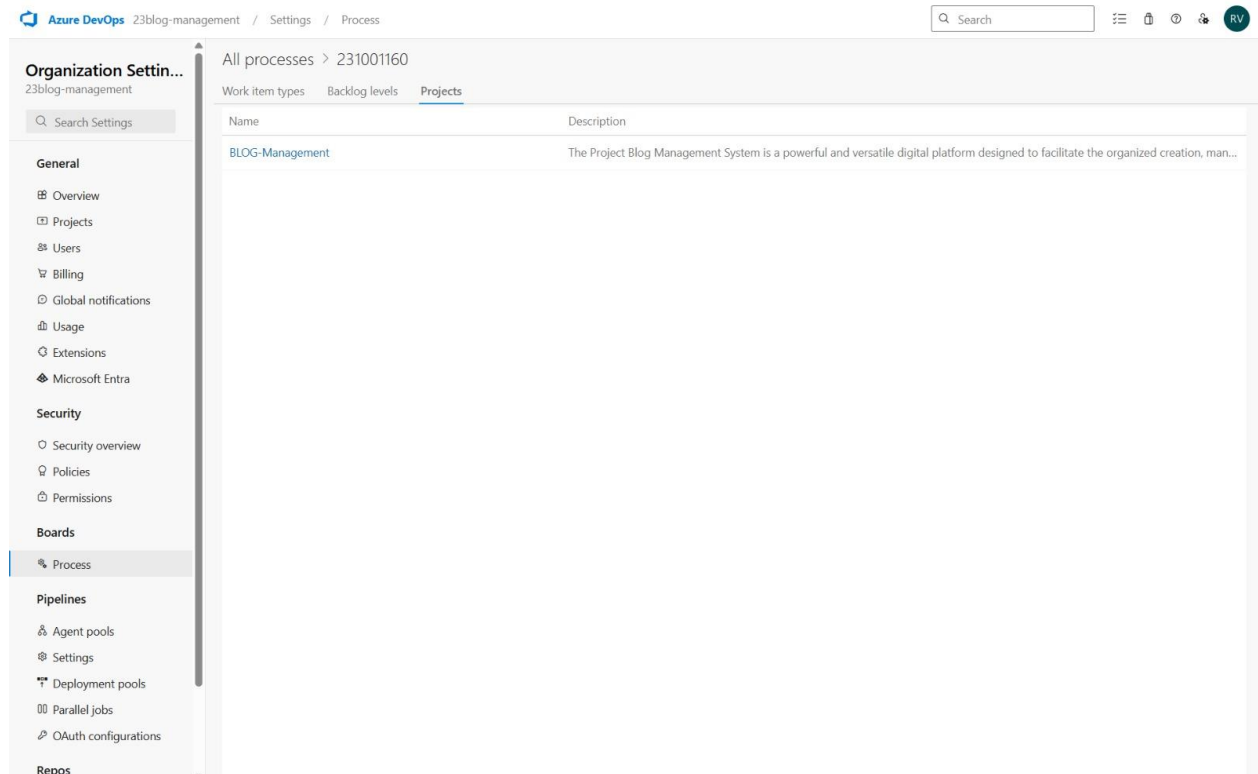
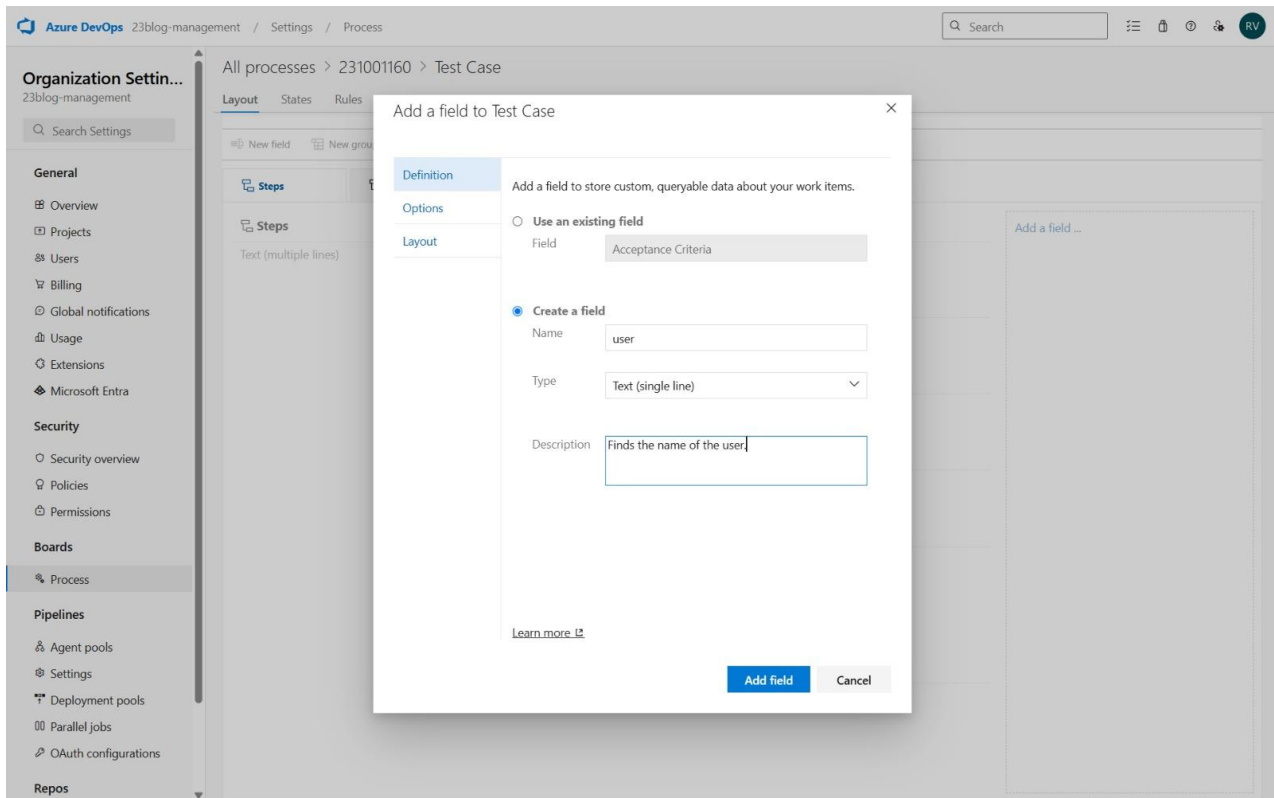
Repos

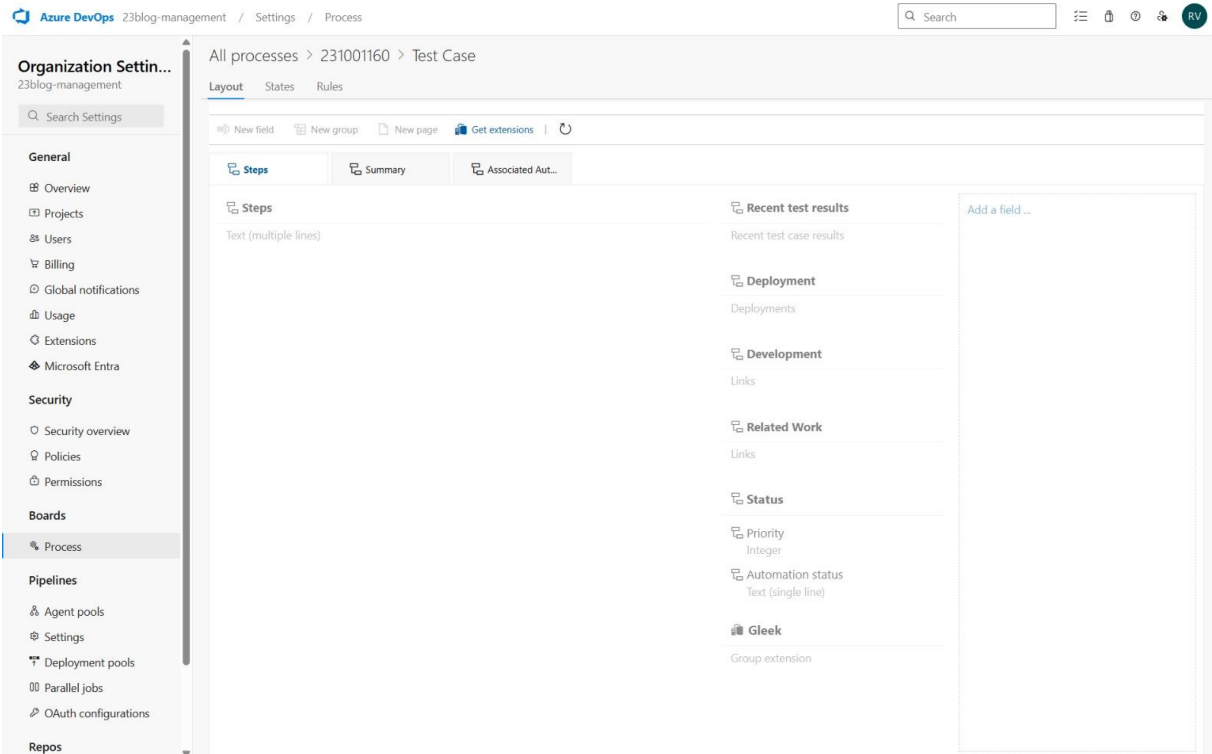
All processes

Help Filter by process name

Name	Description	Team projects
Basic (default)	This template is flexible for any process and great for teams getting started with Az...	1
Agile	This template is flexible and will work great for most teams using Agile planning me...	1
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 improv...	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

TestRun_4/18/2025_2:15:44 PM

Last updated by: 2310010792@opalaohens.edu.cn | Initiated on: 4/18/2025, 2:15 PM

View all test runs Stop Refresh Run Compare App components Configure metrics Download Copy artifacts Share Delete test run Mark as baseline Auto refresh on (5s)

Test run details

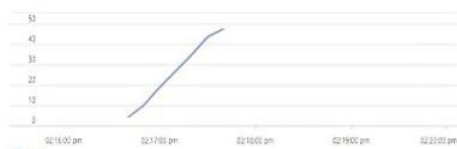
Start time	End time	Test run ID	Test type	Engine instances	Debug mode	Test result	Status
4/18/2025, 2:15:47 PM		7d2a3041-4943-4f6c-a7cc-6...	URL	1	Disabled		Executing

Load test results

Client-side metrics

Requests: 4 selected Region: 0 Aggregation: P90 Error type: 5 selected Time range: 4/18/2025, 2:15:47 PM - 4/18/2025, 2:16:55 PM Group by: 5s

Virtual Users (Max)



Response time (successful responses)



Requests/sec (Avg)

Errors (total)

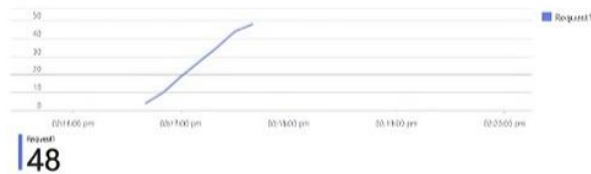
TestRun_4/18/2025_2:15:44 PM

Last updated by: 2310010792@opalaohens.edu.cn | Initiated on: 4/18/2025, 2:15 PM

View all test runs Stop Refresh Run Compare App components Configure metrics Download Copy artifacts Share Delete test run Mark as baseline Auto refresh on (5s)

Requests: 4 selected Region: 0 Aggregation: P90 Error type: 5 selected Time range: 4/18/2025, 2:15:47 PM - 4/18/2025, 2:16:55 PM Group by: 5s

Virtual Users (Max)



Response time (successful responses)



Requests/sec (Avg)



Errors (total)





Result:

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

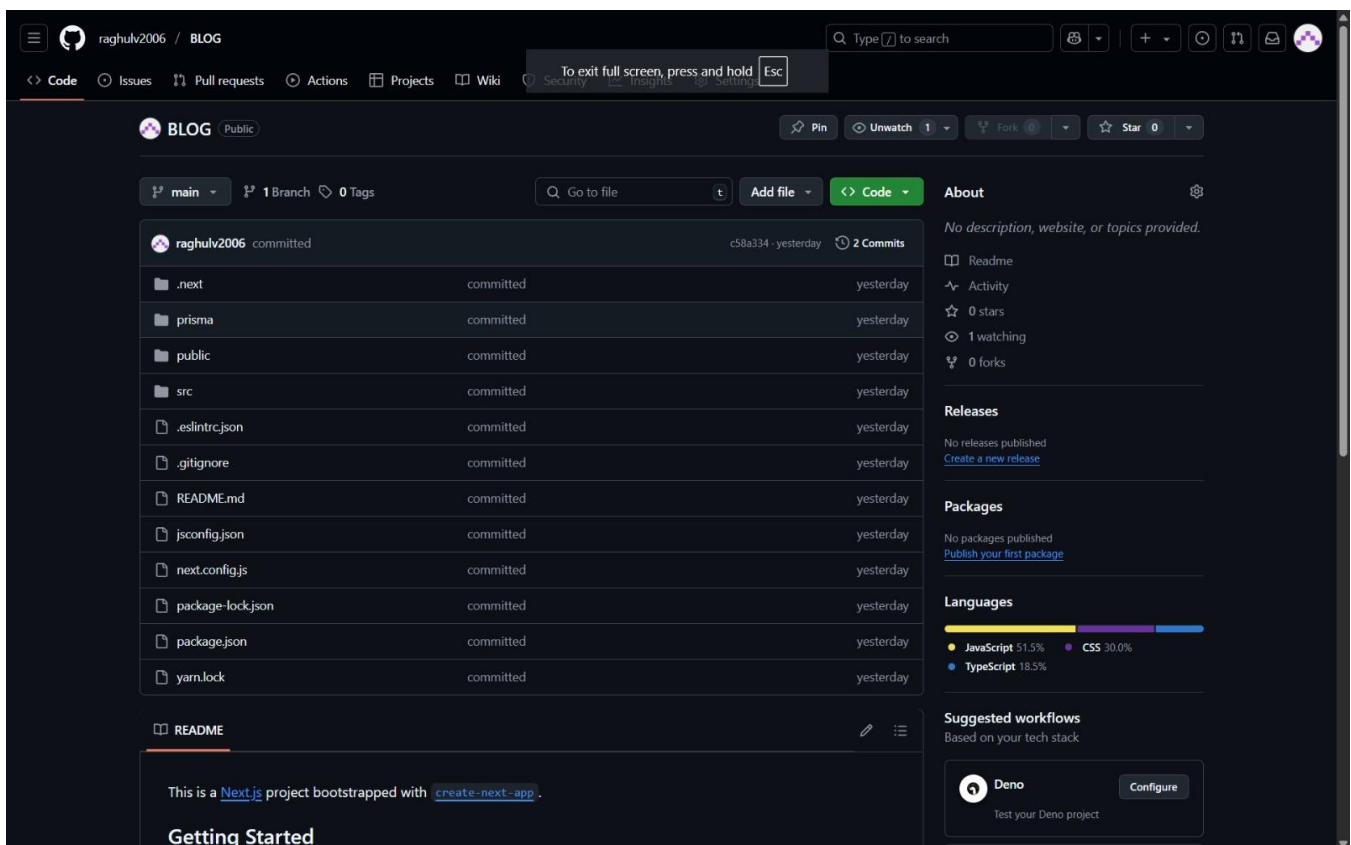
EXP NO: 10

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 BLOG-management 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.