

EXP NO: 1

AZURE DEVOPS ENVIRONMENT SETUP

Aim:

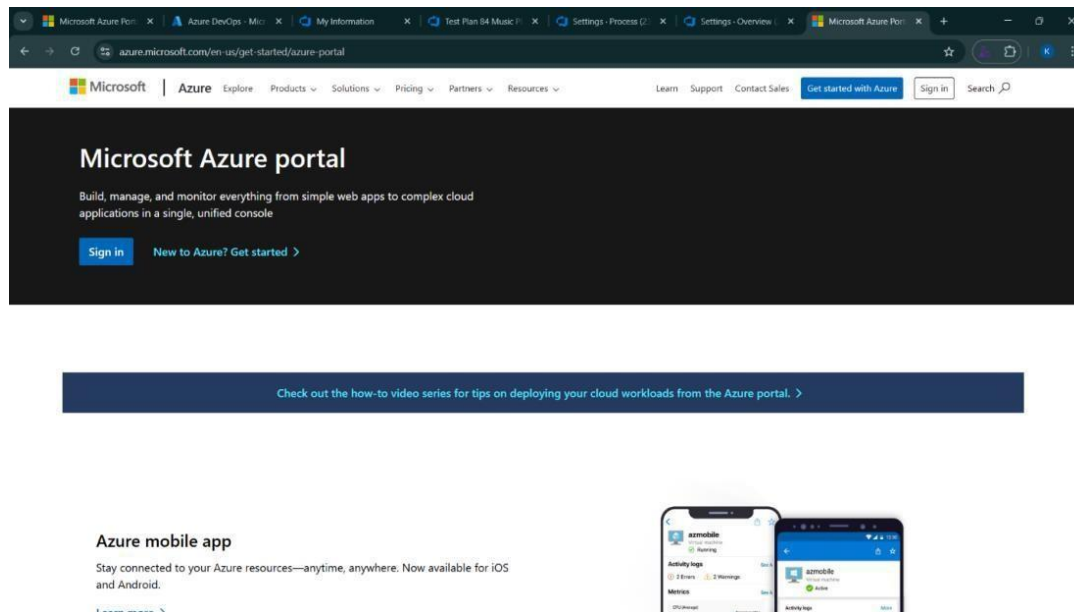
To set up and access the Azure DevOps environment by creating an organization through the Azure portal.

INSTALLATION

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

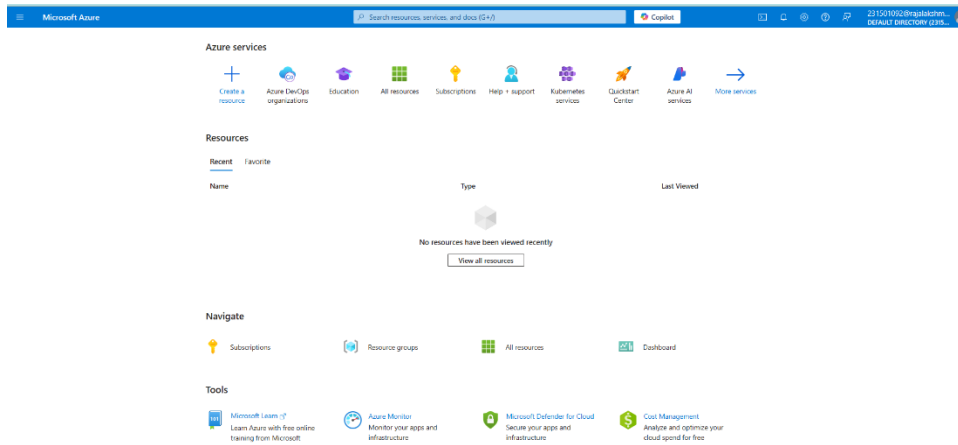
Sign in using your Microsoft account credentials.

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

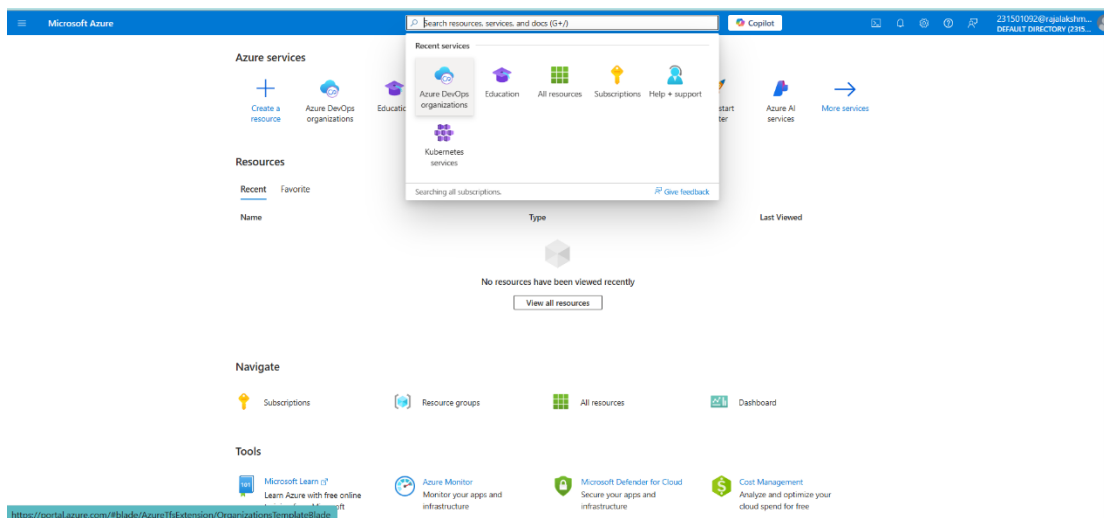


2. Azure home page

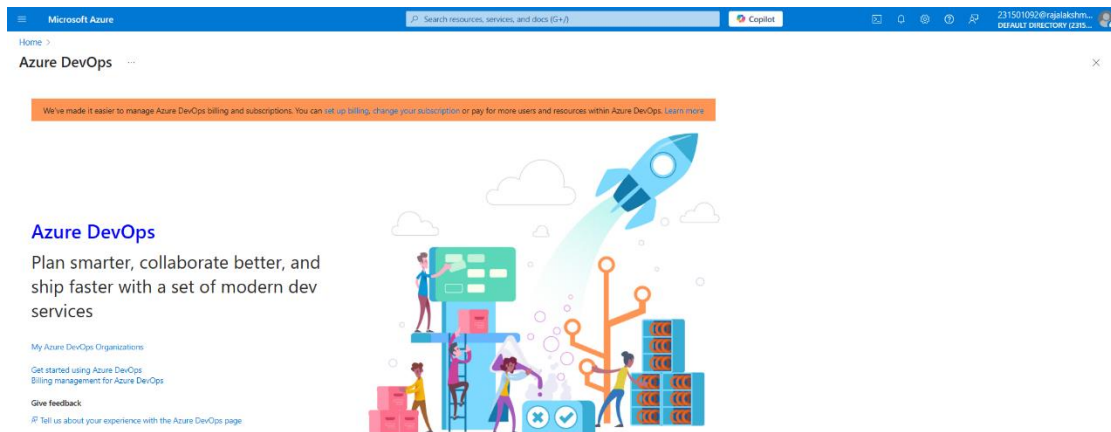
3. Open DevOps environment in the Azure platform by typing *Azure DevOps Organizations* in the search



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.

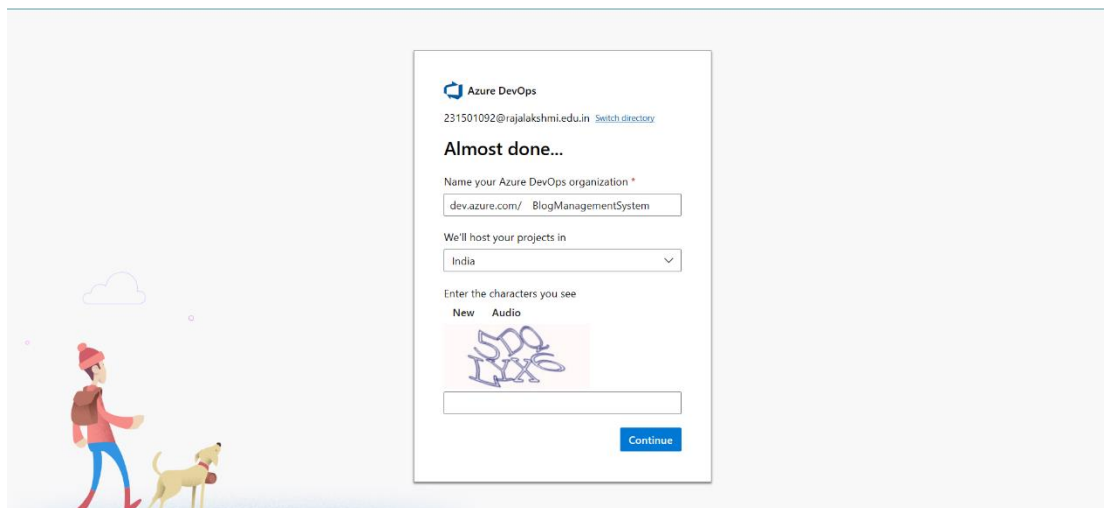
EXP NO: 2

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 System

Description

A blog management system is a platform that allows users to create, edit, organize, and publish blog posts. It typically includes features for content scheduling, user management, and analytics tracking.

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

Maresh kumar J R Sign out

MR

Maresh kumar J R

231501092@rajalakshmi.edu.in

Microsoft account

India

231501092@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/BlogMS (Owner)

Projects

SC - BLOG MANAGEMENT SYSTEM

New project

Actions

Open in Visual Studio

dev.azure.com/OnlineQuizSystem (Member)

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.

ID	Title	Assigned To	State	Area Path	Tags	Comments	Activity Date
66	As a user, I want to search blog posts by keyword so that I can q...	Mahesh kumar J R	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:16
40	User Authentication and Authorization	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:12
97	As an admin, I want to flag and review reported comments so that I c...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:08
96	As a blogger, I want to delete inappropriate comments so that my blo...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:08
95	As a reader, I want to view other users' comments so that I can partici...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:07
94	As a reader, I want to post a comment on a blog so that I can share m...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:07
93	As a user, I want to preview media files in the library so that I can cho...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
92	As an admin, I want to view system uptime stats so that I can ensure f...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
91	As a blogger, I want to browse my previously uploaded media so that...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
90	As a user, I want to receive an error message if my file type is unsupp...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
89	As a developer, I want to log backend errors so that I can fix bugs mo...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
88	As a user, I want to upload images to use in my blog posts so that my...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
87	As a project manager, I want to automate deployment through a pipe...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06
86	As a developer, I want to deploy the system to Azure so that it is acce...	Unassigned	New	SC - BLOG MANAGEMENT SYS...			4/30/2025 9:06

Assigned To	State	Area Path	Tags
Mahesh kumar J R	New	SC - BLOG MANAGEMENT SYS...	
Unassigned	New	SC - BLOG MANAGEMENT SYS...	
Unassigned	New	SC - BLOG MANAGEMENT SYS...	
Unassigned	New	SC - BLOG MANAGEMENT SYS...	
Unassigned	New	SC - BLOG MANAGEMENT SYS...	
Unassigned	New	SC - BLOG MANAGEMENT SYS...	

Result:

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

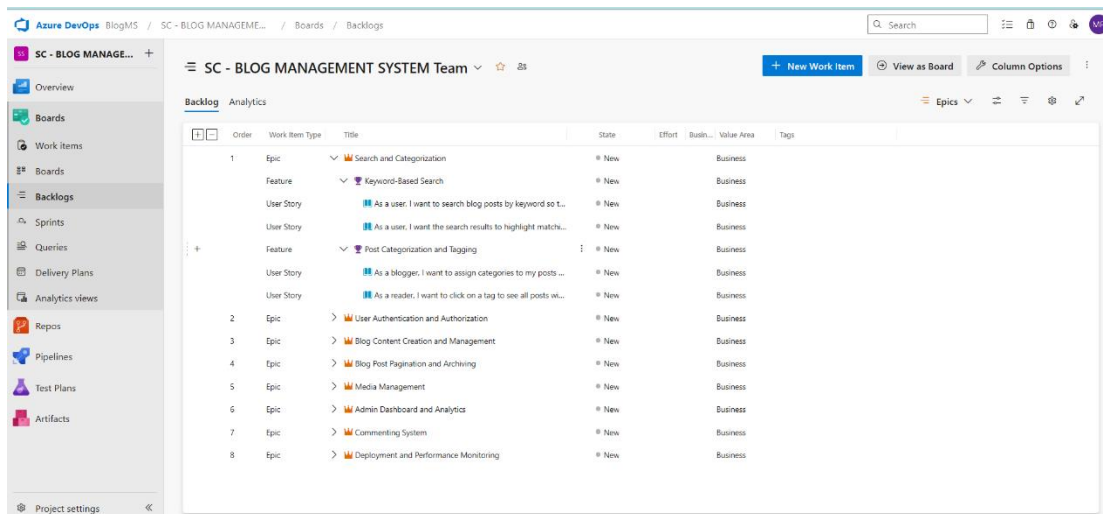
EXP NO: 3

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

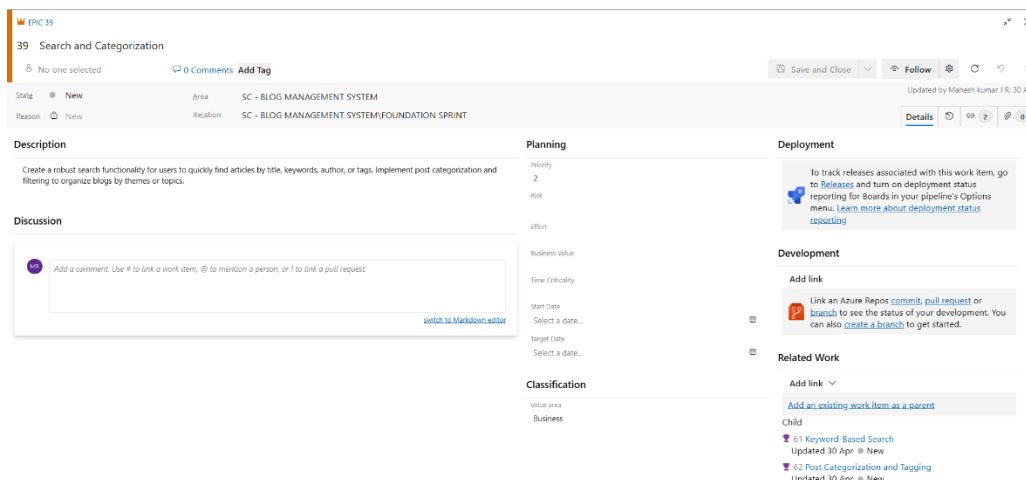
Aim:

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 61

61 Keyword-Based Search

No one selected0 CommentsAdd Tag

Save and CloseFollow

Updated by Mahesh kumar J R: 30 Apr

Details

StateNew

AreaSC - BLOG MANAGEMENT SYSTEM

ReasonNew

IterationSC - BLOG MANAGEMENT SYSTEM

Description

Let users search blog posts by title, tags, or keywords.

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

Priority2

Risk

Effort

Business Value

Time Criticality

Start DateSelect a date...

Target DateSelect a date...

Classification

Value areaBusiness

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

- 39 Search and CategorizationUpdated 30 Apr @ New

Child

- 67 As a user, I want the search results to highlight matc...Updated 30 Apr @ New

3.Fill in User Story Details

USER STORY 66

66 As a user, I want to search blog posts by keyword so that I can quickly find relevant content.

Mahesh kumar J R0 CommentsAdd Tag

Save and CloseFollow

Updated by Kaviyam MS: 30 Apr

Details

StateNew

AreaSC - BLOG MANAGEMENT SYSTEM

ReasonMoved to the backlog

IterationSC - BLOG MANAGEMENT SYSTEM\FOUNDATION SPRINT

Description

Click to add Description.

Acceptance Criteria

Click to add Acceptance Criteria.

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

Story Points

Priority2

Risk

Classification

Value areaBusiness

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

- 61 Keyword-Based SearchUpdated 30 Apr @ New

2116231501092

CS23432

Result:

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

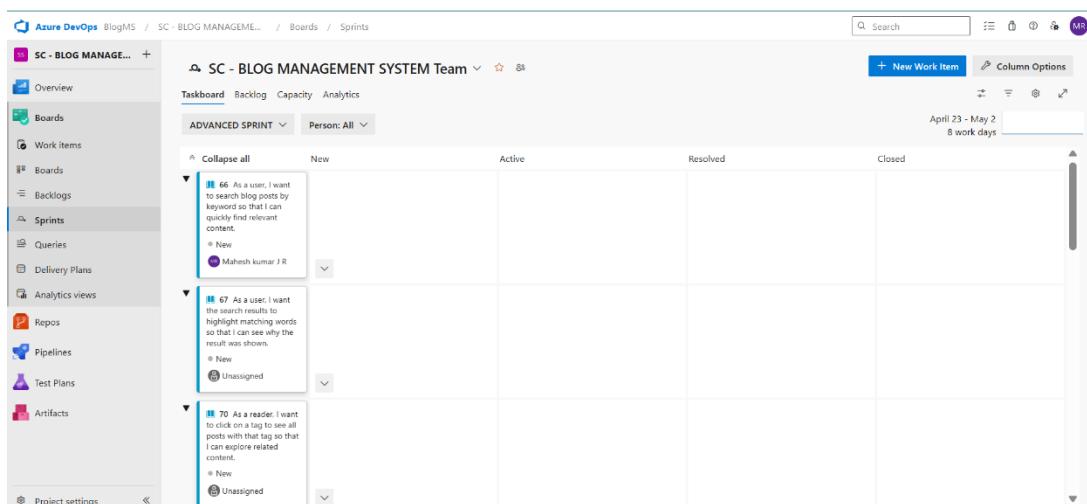
EXP NO: 4

SPRINT PLANNING

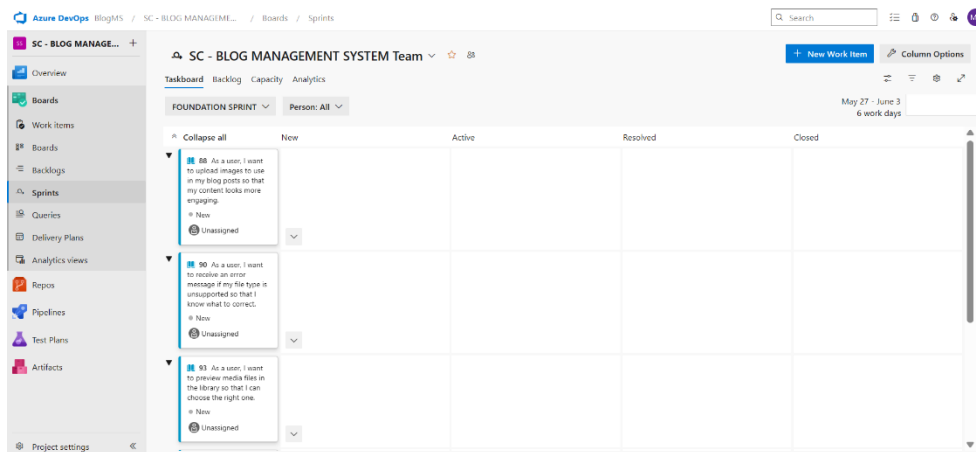
Aim:

To assign user story to specific sprint for the Project Online Quiz System.

Sprint Planning Sprint 1



Sprint 2



Sprint 3

The screenshot shows the Azure DevOps interface for a project named "SC - BLOG MANAGEMENT SYSTEM Team". The left sidebar contains navigation links: Overview, Boards, Work items, Backlogs, Sprints (selected), Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, and Artifacts. The main area displays the "Sprints" view for the "MAIN SPRINT" (April 23 - May 2, 8 work days). The board is organized into columns: New, Active, Resolved, and Closed. Three work items are visible in the "New" column, all marked as "New" and "Unassigned".

Item ID	Description	Category	Status
S1	As a blogger, I want to browse my previously uploaded media so that I can reuse images in multiple posts.	New	Unassigned
S2	As an admin, I want to view system uptime stats so that I can ensure high availability.	New	Unassigned
S4	As a reader, I want to post a comment on a blog so that I can share my thoughts or ask questions.	New	Unassigned

Result:

The Sprints are created for the Project Online Quiz System.

EXP NO: 5

POKER ESTIMATION

Aim:

Create Poker Estimation for the user stories – Online Quiz System Project.

Poker Estimation

USER STORY 66

66 As a user, I want to search blog posts by keyword so that I can quickly find relevant content.

Mahesh kumar J R 0 Comments Add Tag

Save and Close Follow

State: New Area: SC - BLOG MANAGEMENT SYSTEM Reason: Moved to the backlog Iteration: SC - BLOG MANAGEMENT SYSTEM\MAIN SPRINT Updated by Mahesh kumar J R: 11m ago

Description

Click to add Description.

Acceptance Criteria

Click to add Acceptance Criteria.

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

Story Points: 3
Priority: 1
Risk: 2 - Medium

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

61 Keyword-Based Search
Updated 30 Apr @ New

Result:

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

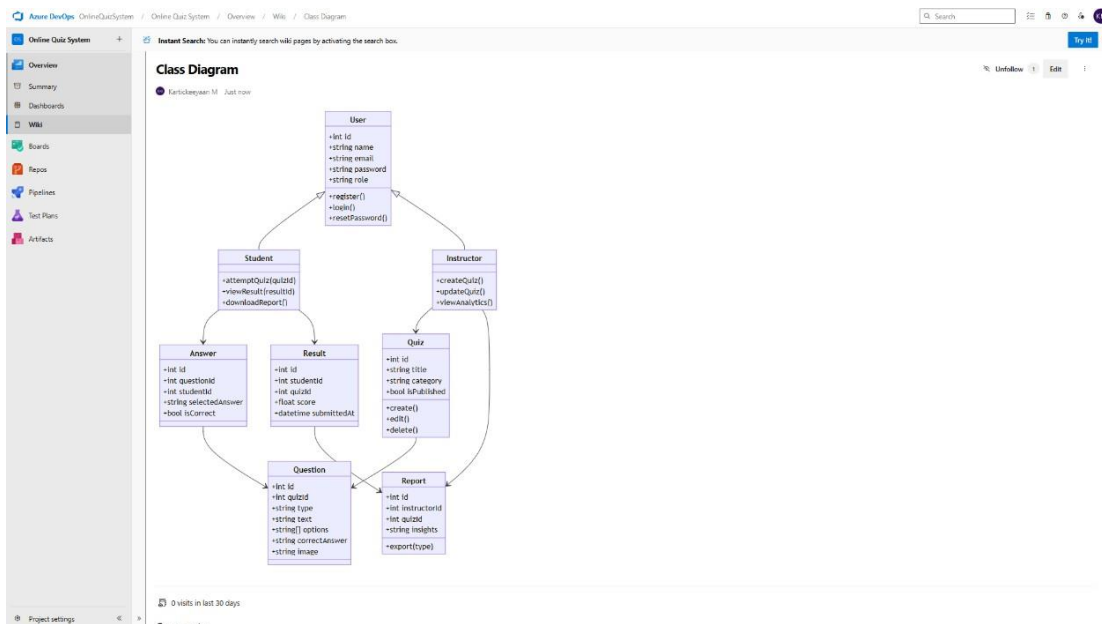
EXP NO: 6

DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR PROJECT ARCHITECTURE

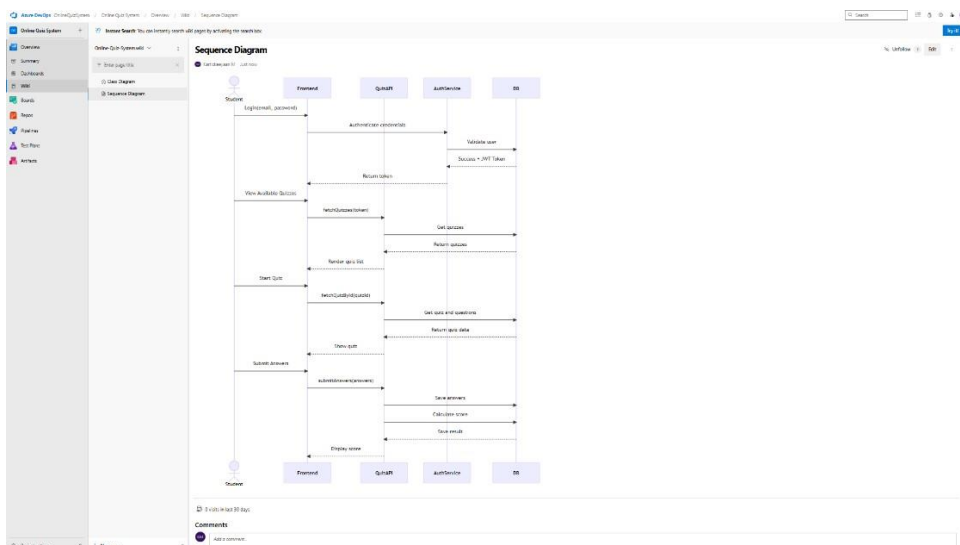
Aim:

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 Project Online Quiz System.

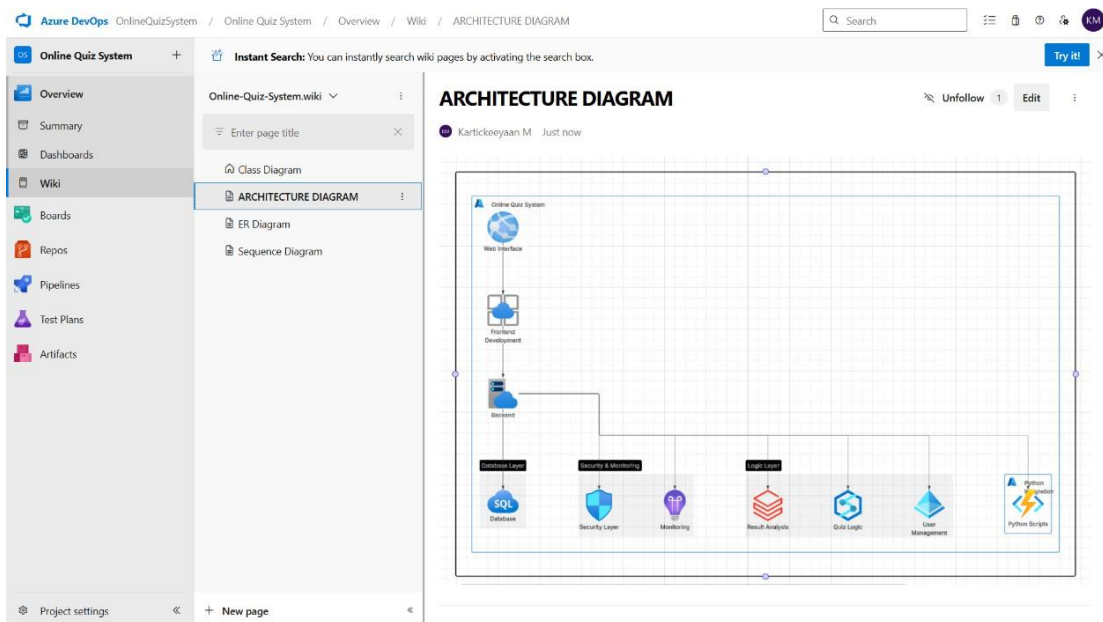
EXP NO: 7

DESIGNING ARCHITECTURAL AND ER DIAGRAMS FOR PROJECT STRUCTURE

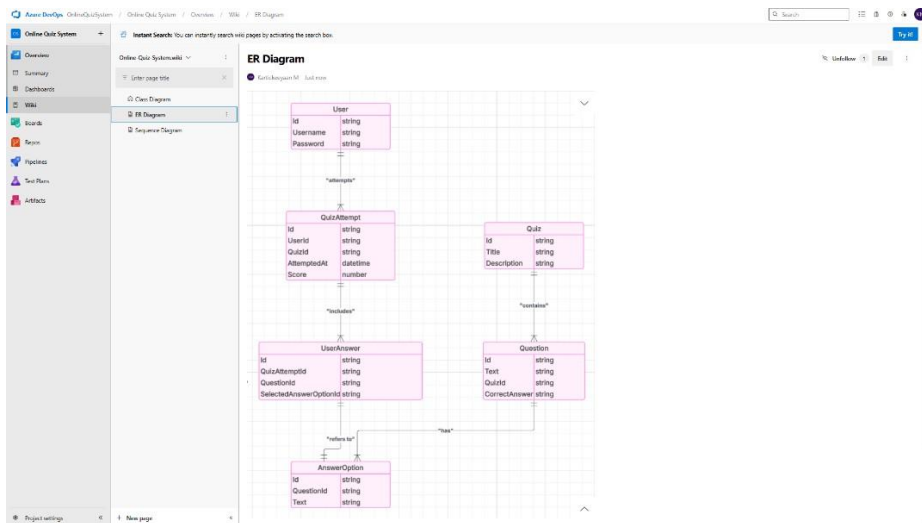
Aim:

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 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

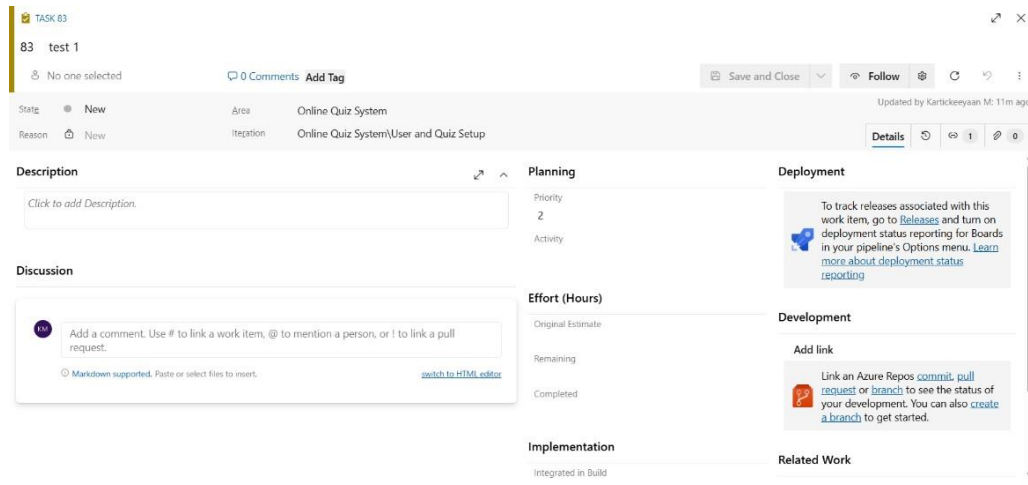
- Grouped test cases based on functionality (e.g., Login, Playlist Editing, Recommendation System).

- Improves organization and test execution flow in Azure DevOps.

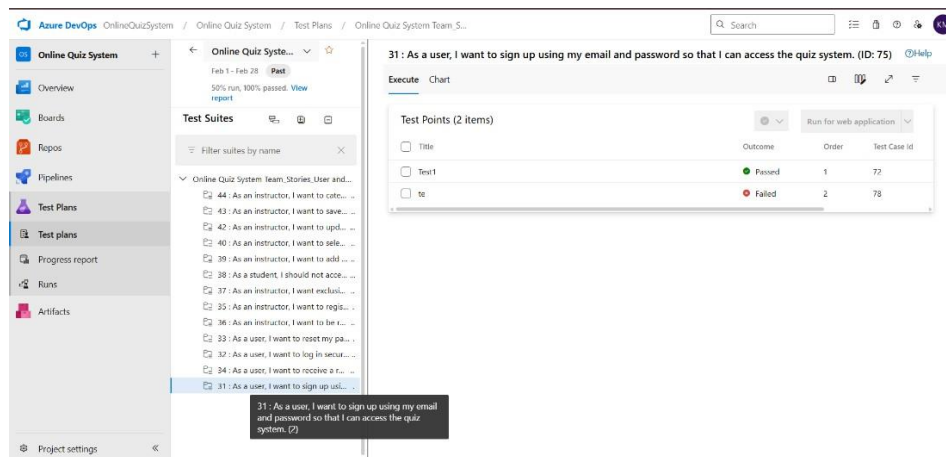
8. Prioritize and Review

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

1.New test plan



2. Test suite



User Story 1: Secure Sign-Up and Login (ID: 79)

Test Plan: Test 1 – User Login

- **TC01 – Successful Sign Up**
Type: Happy Path
Action:
 - Navigate to the Sign-Up page
 - Enter valid name, email, and password
 - Click "Sign Up"**Expected Result:**
 - Fields accept values
 - Account is created
 - User is redirected to the dashboard
- **TC02 – Secure Login**
Type: Happy Path
Action:
 - Go to Login page
 - Enter valid credentials
 - Click "Login"**Expected Result:**
 - Login is successful
 - User lands on the dashboard
- **TC03 – Sign Up with Existing Email**
Type: Error Path
Action:
 - Use an already registered email
 - Click "Sign Up"**Expected Result:**
 - Error: “Email already registered”
- **TC04 – Login with Wrong Password**
Type: Error Path
Action:
 - Enter valid email and wrong password
 - Click "Login"**Expected Result:**
 - Error: “Invalid username or password”

User Story 2: View Quiz List (ID: 76)

Test Plan: Test 2 – View Quizzes

- **TC05 – View Quiz Page**
Type: Happy Path
Action:
 - Login
 - Navigate to "Available Quizzes"**Expected Result:**
 - All available quizzes are displayed clearly
 - **TC06 – Quiz Loading Failure**
Type: Error Path
Action:
 - Disconnect from the internet
 - Try accessing "Available Quizzes"**Expected Result:**
 - Error: “Unable to load quizzes”
-

User Story 3: Real-Time Score Display (ID: 65)

Test Plan: Test 2 – Real-Time Results

- **TC07 – Score Display After Submission**

Type: Happy Path

Action:

- Complete a quiz
- Submit answers
- Observe the result panel

Expected Result:

- Score is calculated and displayed instantly

- **TC08 – Score Not Displaying**

Type: Error Path

Action:

- Submit quiz with a backend issue

Expected Result:

- Error: “Unable to fetch results, please try again”
-

User Story 4: Edit Quiz Details (ID: 68)

Test Plan: Test 3 – Quiz Editing

- **TC09 – Rename Quiz Successfully**

Type: Happy Path

Action:

- Admin navigates to quiz list
- Clicks "Edit" on a quiz
- Changes quiz name and saves

Expected Result:

- Quiz name updates successfully

- **TC10 – Rename with Blank Name**

Type: Error Path

Action:

- Click "Edit"
- Leave the quiz name blank
- Click "Save"

Expected Result:

- Error: “Quiz name cannot be empty”

- **TC11 – Change Quiz Question Order**

Type: Happy Path

Action:

- Open quiz editor
- Drag and drop questions to reorder
- Click "Save"

Expected Result:

- Question order is saved

- **TC12 – Reordering Fails Due to Error**

Type: Error Path

Action:

- Try reordering during server error
- Click "Save"

Expected Result:

- Error: “Failed to update. Try again later”
-

User Story 5: Generate Quiz Based on Categories (ID: 73)

Test Plan: Test 3 – Smart Quiz Generation

- **TC13 – Generate Quiz Based on Subject**
Type: Happy Path
Action:
 - **Select subject and difficulty**
 - **Click "Generate Quiz"****Expected Result:**
 - **New quiz is created based on selected filters**
- **TC14 – Fail to Generate Quiz (Missing/Invalid Input)**
Type: Error Path
Action:
 - **Click "Generate" without selecting subject****Expected Result:**
 - **Error: “Please select a valid subject/category”**

Test Cases

TASK 83

83 test 1

No one selected

0 Comments Add Tag

Save and Close

Follow

Updated by Kartikeyaan M: 11m ago

State

New

Area

Online Quiz System

Reason

New

Iteration

Online Quiz System\User and Quiz Setup

Details

1

0

Description

Click to add Description.

Discussion

100

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

Markdown supported. Paste or select files to insert.

switch to HTML editor

Planning

Priority

2

Activity

Effort (Hours)

Original Estimate

Remaining

Completed

Implementation

Integrated in Build

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

TEST CASE 94

94 test 9

Kartickeyaan M 0 Comments Add Tag

State Design Area Online Quiz System

Reason New Iteration Online Quiz System(User and Quiz Setup)

Updated by Kartickeyaan M: 18m ago

Steps Summary Associated Automation 1 0

Steps

Steps Action Expected result Attach

Click or type here to add a step

Parameter values

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

chrome web store

Search extensions and themes

Discover Extensions Themes

Test & Feedback

Featured 4.2 ★ (175 ratings) Share

Extension Workflow & Planning 200,000 users

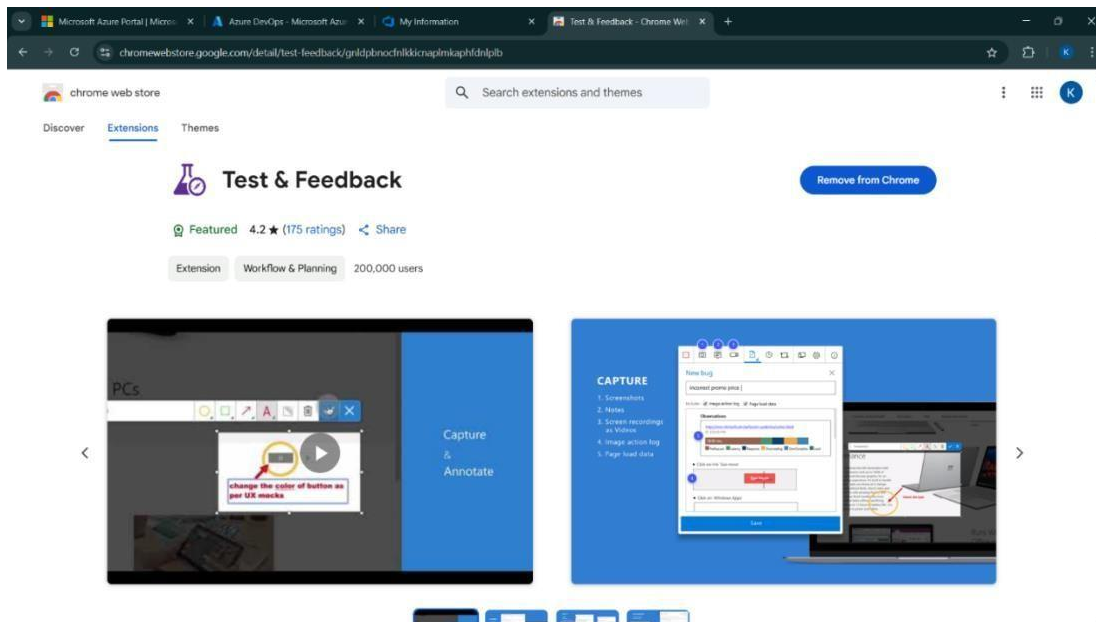
Add to Chrome

Capture & Annotate

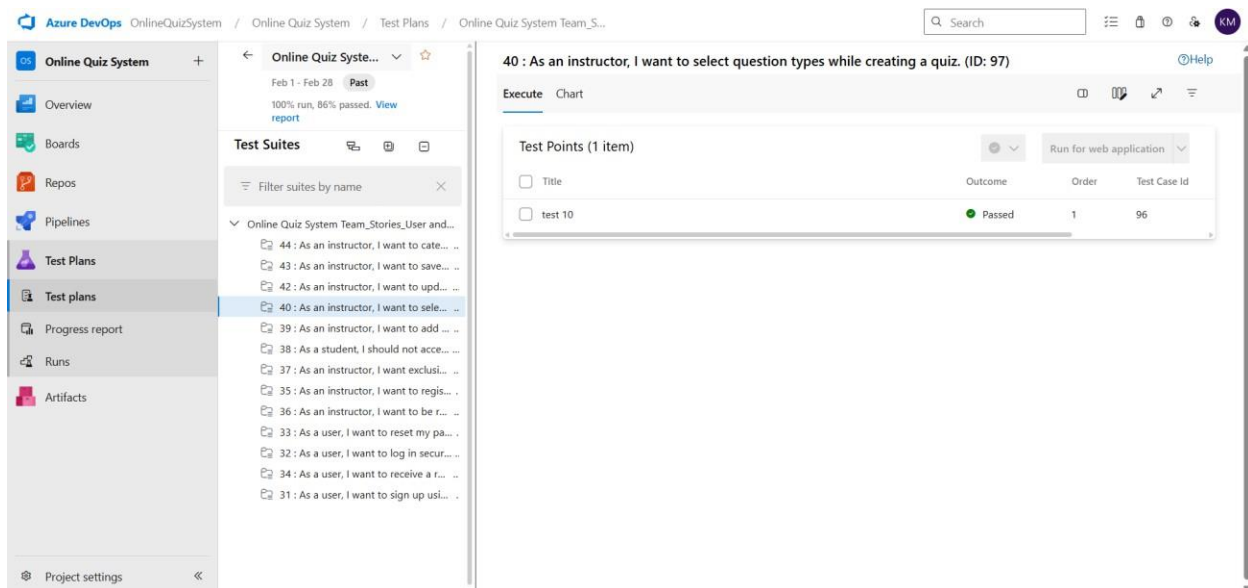
CAPTURE

1. Screenshots
2. Notes
3. Screen recordings
4. Video
5. Page load data

Change the color of bottom as per UX specs



Test and feedback
Showing it as an extension



4. Running the test cases

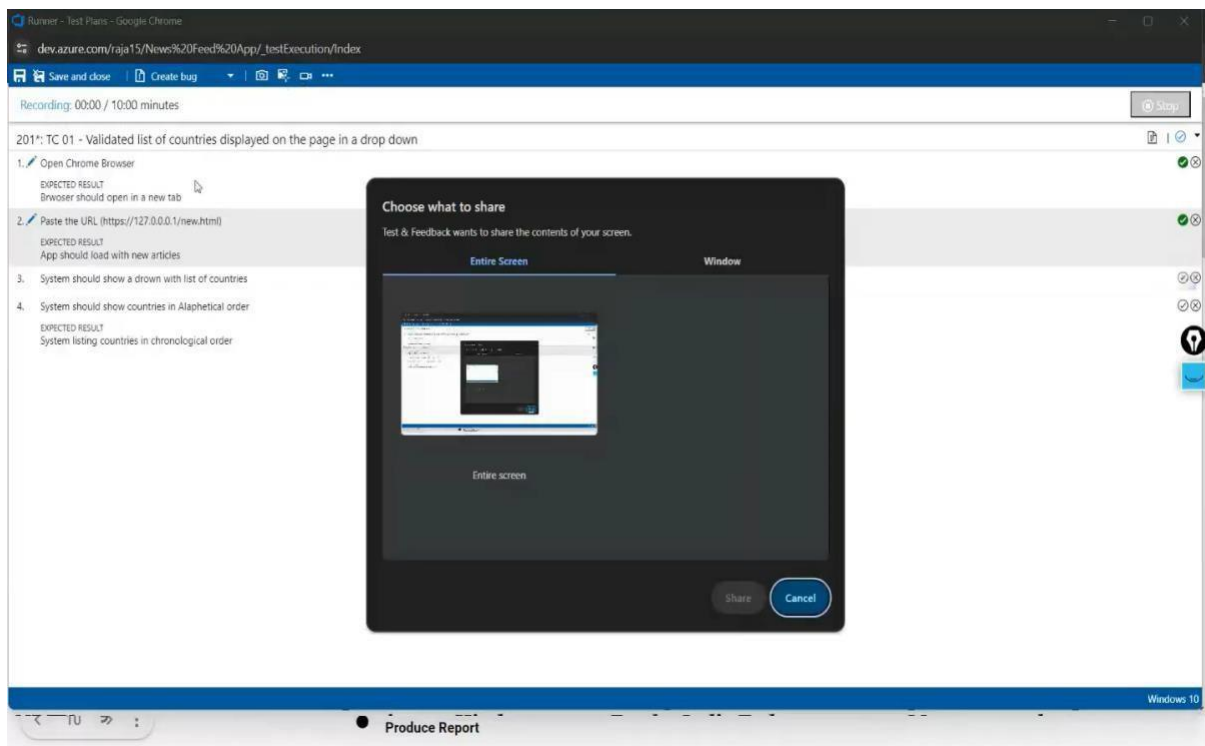
The screenshot displays the Azure DevOps Test Plans interface for the 'Online Quiz System'. The left sidebar shows the navigation menu with 'Test Plans' selected. The main area shows a test suite titled 'Online Quiz System Team_Stories_User and...' with a list of test cases. Test case 36 is selected, showing its details: '36 : As an instructor, I want to be redirected to my dashboard after login. (ID: 87)'. The 'Execute' tab is active, showing a table of test points. The table has columns for Title, Outcome, Order, and Test Case Id. One test point is listed: 'test 6' with a 'Passed' outcome, Order 1, and Test Case Id 86.

Title	Outcome	Order	Test Case Id
test 6	Passed	1	86

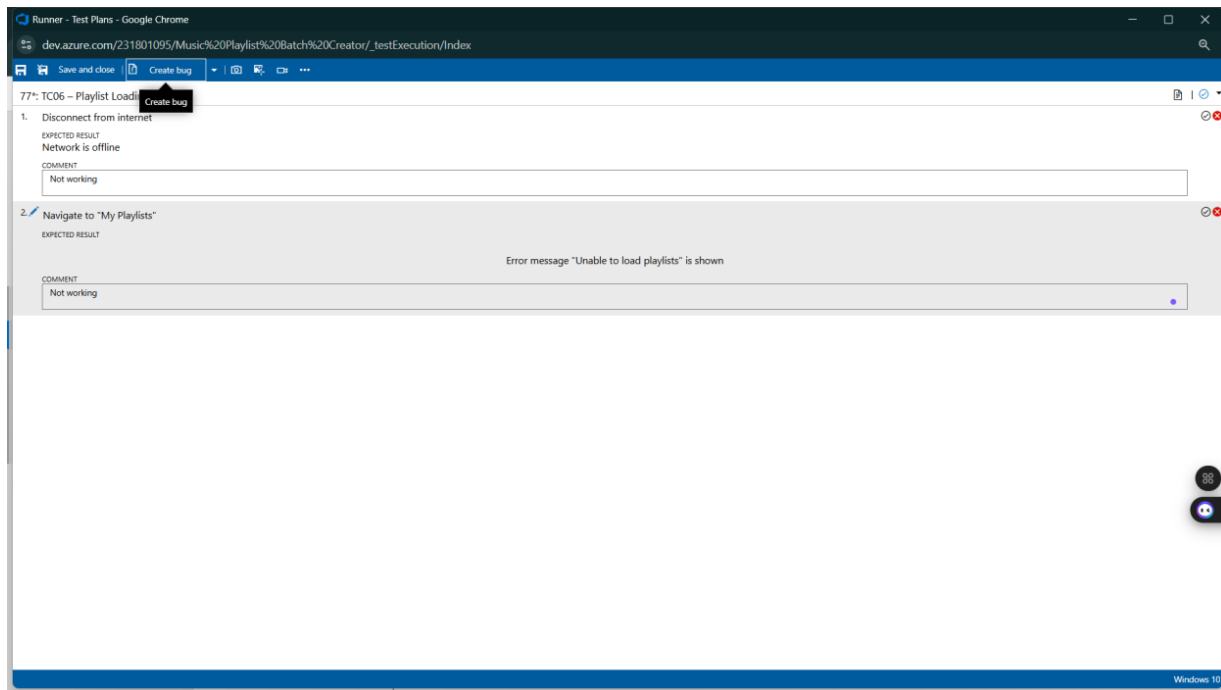
The screenshot shows a web browser window titled 'Runner - Test Plans - Google Chrome' with the URL 'dev.azure.com/231801095/Music%20Playlist%20Batch%20Creator/_testExecution/Index'. The page displays the test execution results for '75*: TC05 - View Playlist Page'. The results are as follows:

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

5. Recording the test case



6. Creating the bug



7. 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 the 'Music Playlist Batch Creator' test plan with a list of test suites. The 'Test Suites' list includes 'TS01 - User Login (4)', 'TS02 - View Playlists (2)', 'TS03 - Real-Time Met...', 'TS04 - Playlist Editing (4)', and 'TS05 - Smart Playlist ...'. The 'Test Points' section shows two items: 'TC05 - View Playlist Page' (selected) and 'TC06 - Playlist Loading Failure'. The 'Test Case Results' table for 'TC05 - View Playlist Page' is as follows:

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

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

8. Test report summary

The screenshot shows the Azure DevOps Work Items interface for a bug report. The left sidebar contains navigation options like Overview, Boards, Work items, Backlogs, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, and Artifacts. The main area displays the bug report for 'BUG 203 - BG 01 - Countries Drop down Not Available on the page'. The bug is assigned to 'rajesh prabhu' and has a state of 'New'. The 'Repro Step' section shows the following steps:

1. **Passed** Open Chrome Browser
Expected Result: Browser should open in a new tab
2. **Passed** Paste the URL (https://127.0.0.1/new.html)
Expected Result: App should load with new articles
3. **Failed** Section should show a form with list of countries.
Produce Report

The right sidebar contains sections for 'Planning' (Resolved Reason, Story Points, Priority, Severity, Activity) and '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. [Link more about deployment status reporting](#)). The 'Development' section includes a link to '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.'

- 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 0 comments Add tag

Save & Close Follow Details (3)

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

Project settings

2. Navigate to "My Playlists"

9. Progress report

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

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

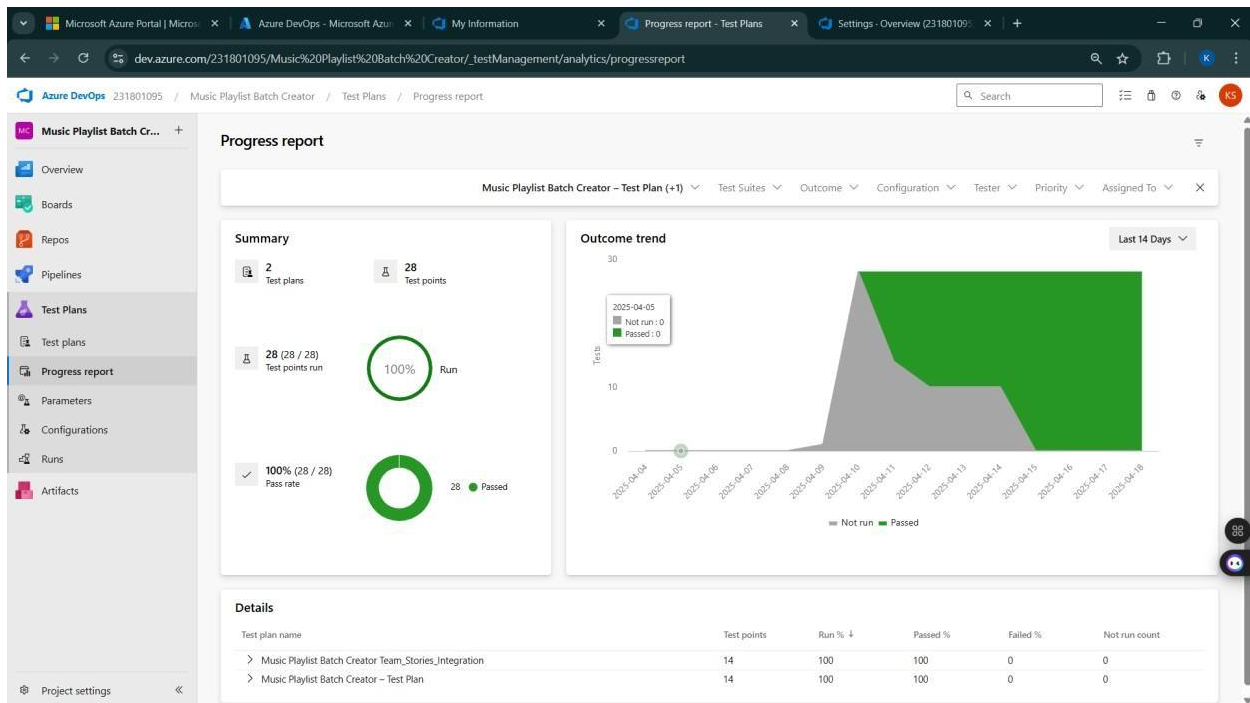
Last 14 Days

Tests

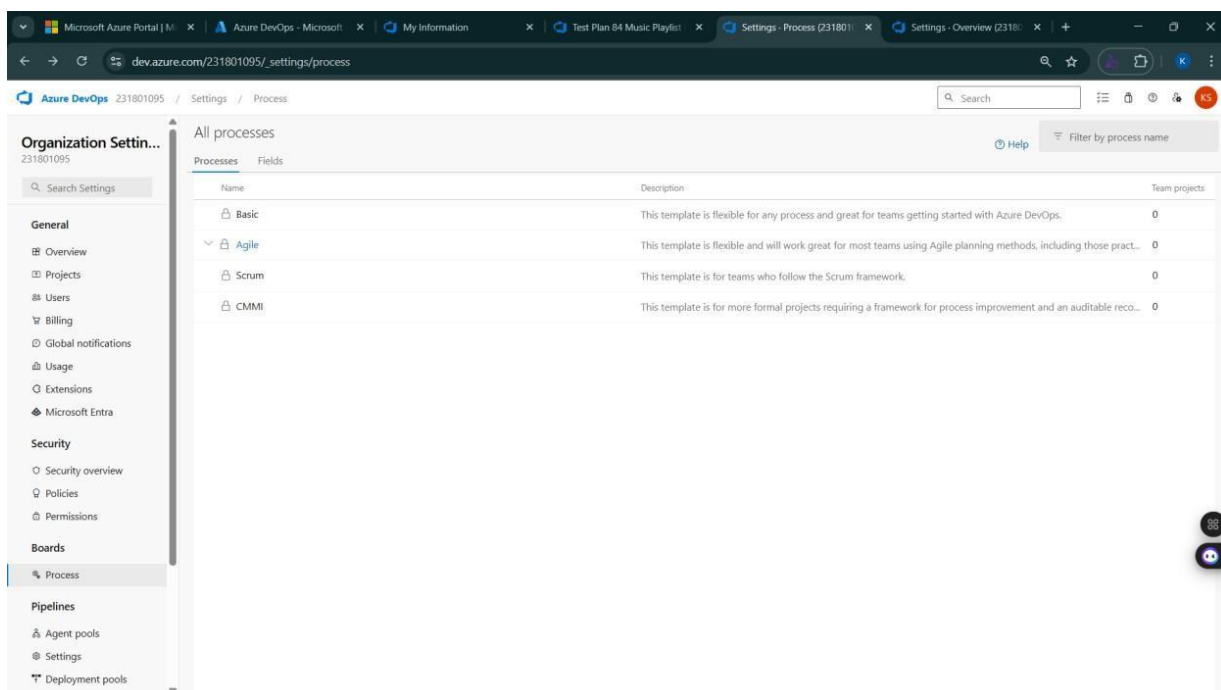
Not run Passed

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



10. Changing the test template



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

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

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 of process.	0

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

dev.azure.com/231801095/_settings/process

Azure DevOps 231801095 / Settings / Process

Organization Settings 231801095

Search Settings

General

- Overview
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- Microsoft Entra

Security

- Security overview
- Policies
- Permissions

Boards

- Process

Pipelines

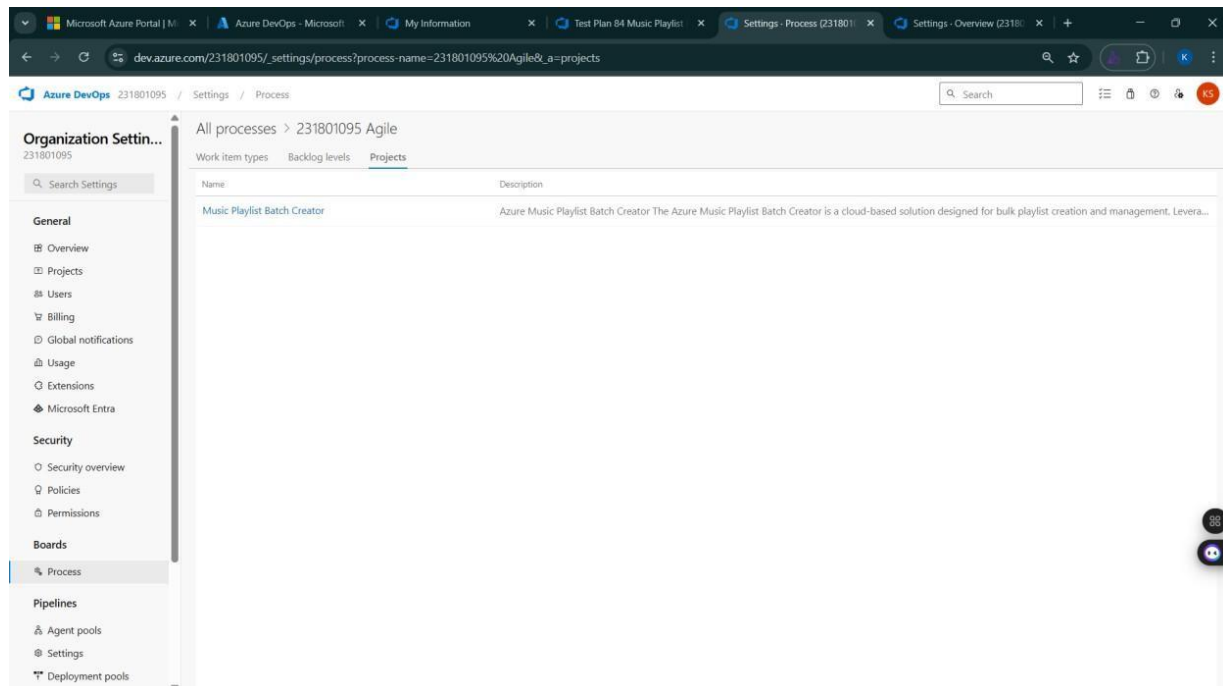
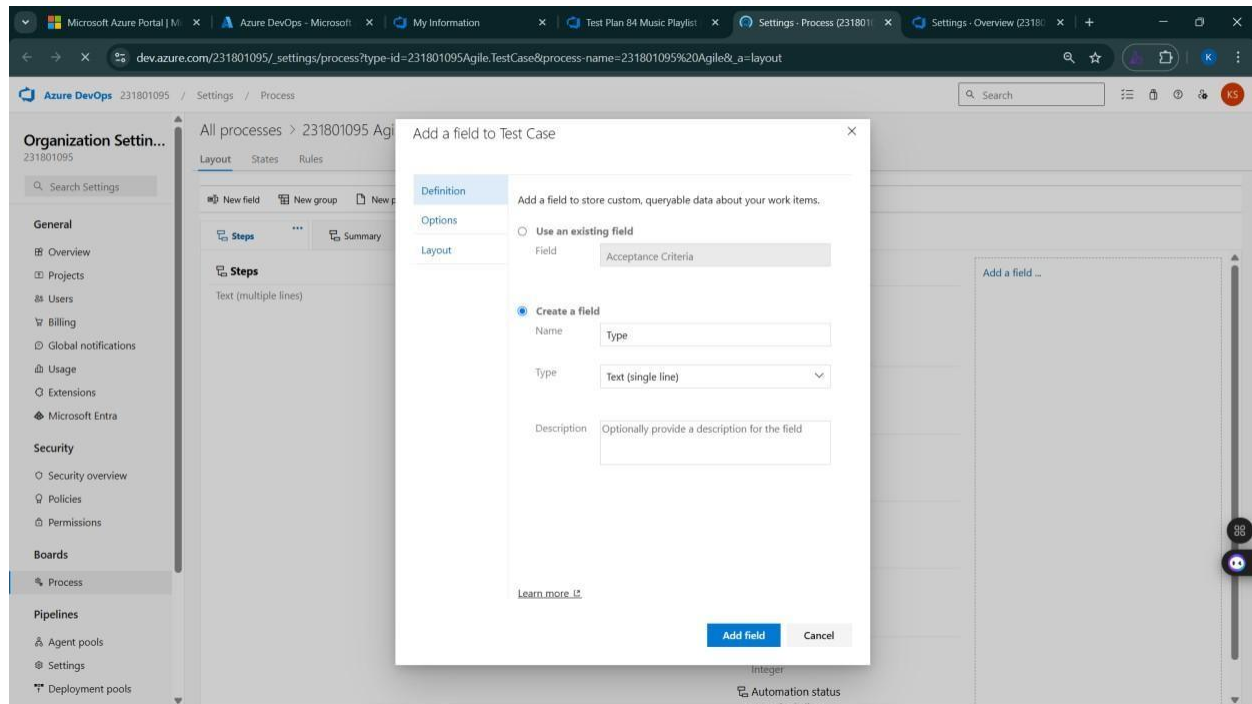
- Agent pools
- Settings
- Deployment pools

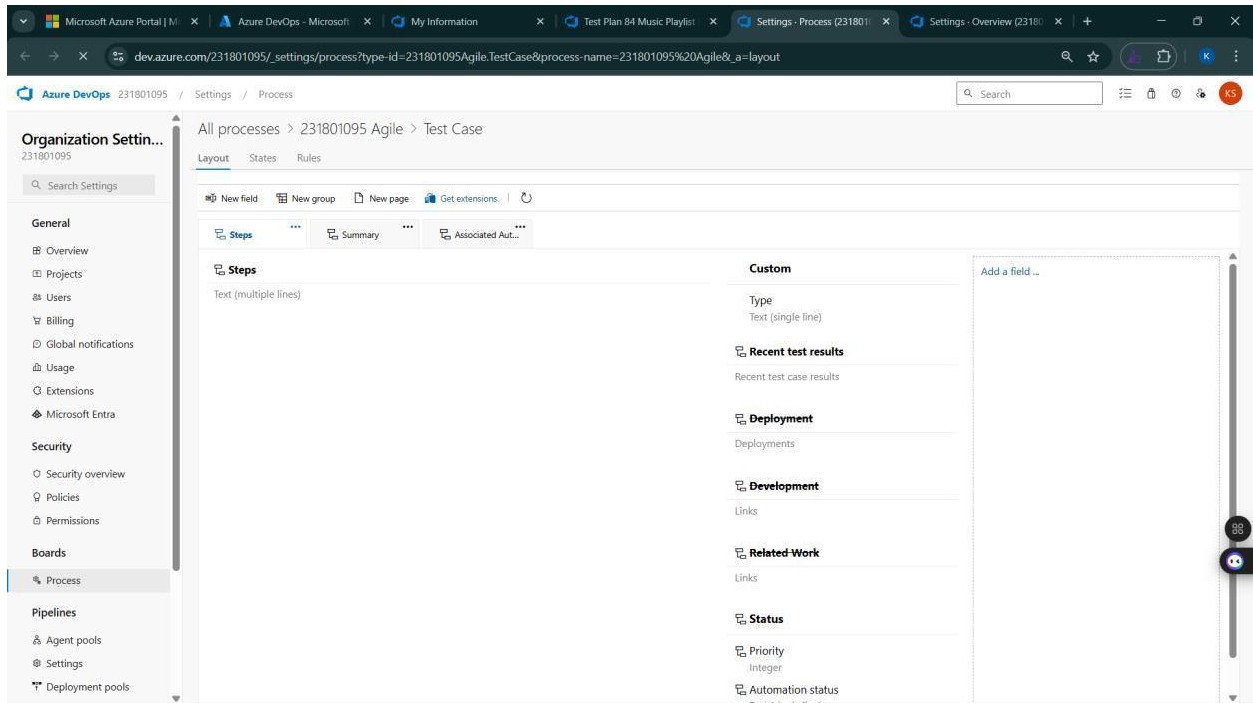
All processes

Processes Fields

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 of process.	0

11. 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:

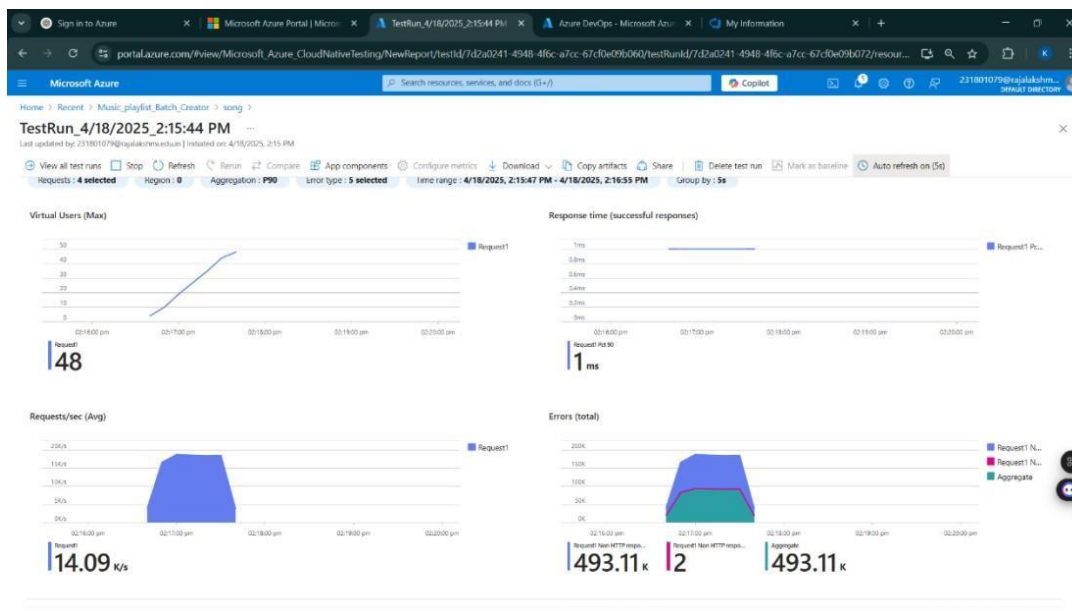
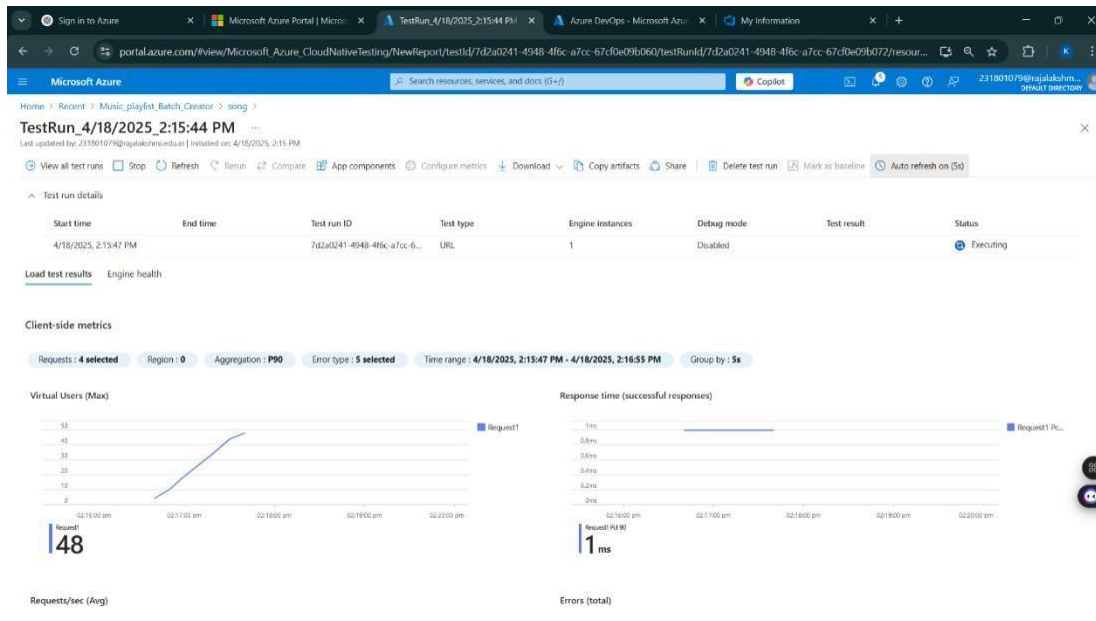
1. Sign in to Azure Portal
Go to <https://portal.azure.com> and log in.
2. Create the Resource
 - Go to *Create a resource* → Search for “Azure Load Testing”.
 - Select Azure Load Testing and click Create.
3. Fill in the Configuration Details
 - *Subscription*: Choose your Azure subscription.
 - *Resource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



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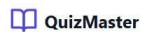
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Performance Tracking

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Web Development Basics

Easy

Test your knowledge of HTML, CSS, and JavaScript fundamentals.

⌚ 10 mins | 3 questions | 📅 Created Jan 15, 2023

Technology[Details](#)[Start Quiz](#)

Data Science Fundamentals

Medium

Test your knowledge of data science concepts and techniques.

⌚ 15 mins | 2 questions | 📅 Created Feb 20, 2023

Technology[Details](#)[Start Quiz](#)

World Geography

Medium

Test your knowledge of countries, capitals, and geographical features.

⌚ 20 mins | 3 questions | 📅 Created Mar 10, 2023

Geography[Details](#)[Start Quiz](#)



Data Science Fundamentals

⌚ 9:55

Question 1 of 2

15 points

Question 1 of 2

Points: 15

What is the process of finding patterns in large datasets called?

- ☐ Data Mining
- ☐ Data Cleaning
- ☐ Data Visualization
- ☐ Data Collection

Previous

Next

Exit Quiz

Previous

Next Question

Result:

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

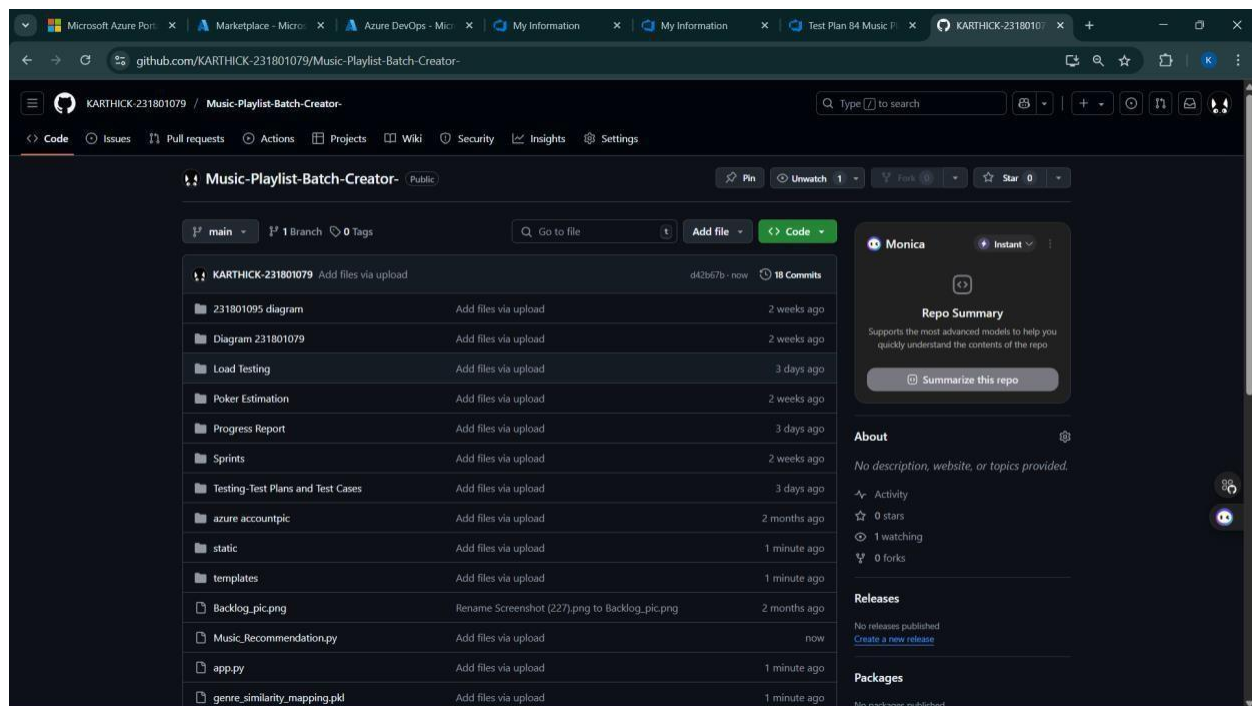
EXP NO: 10

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.