

**Aim:**

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

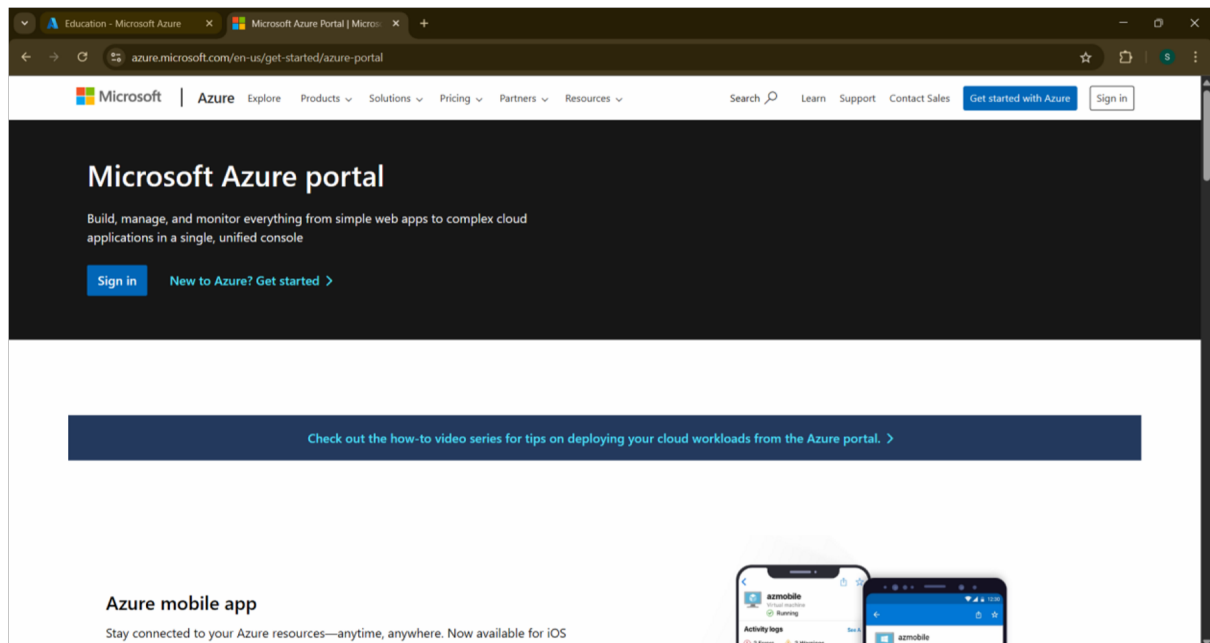
**INSTALLATION**

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

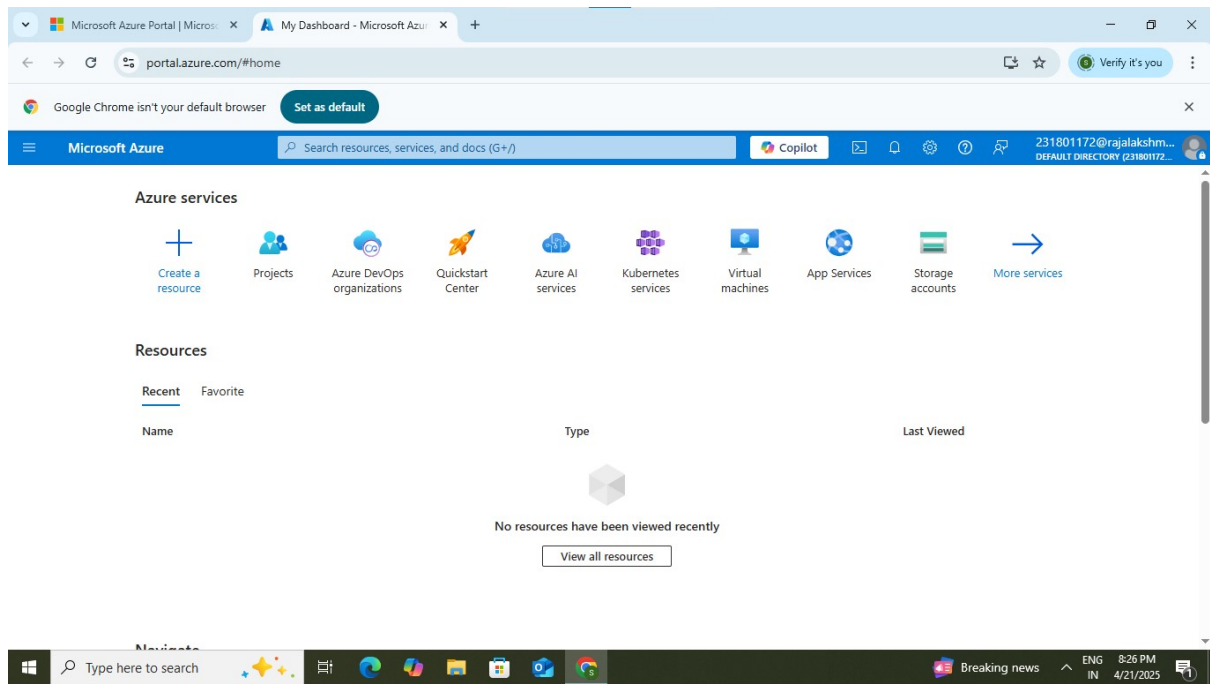
Sign in using your Microsoft account credentials.

If you don't have a Microsoft account, you can create one here:

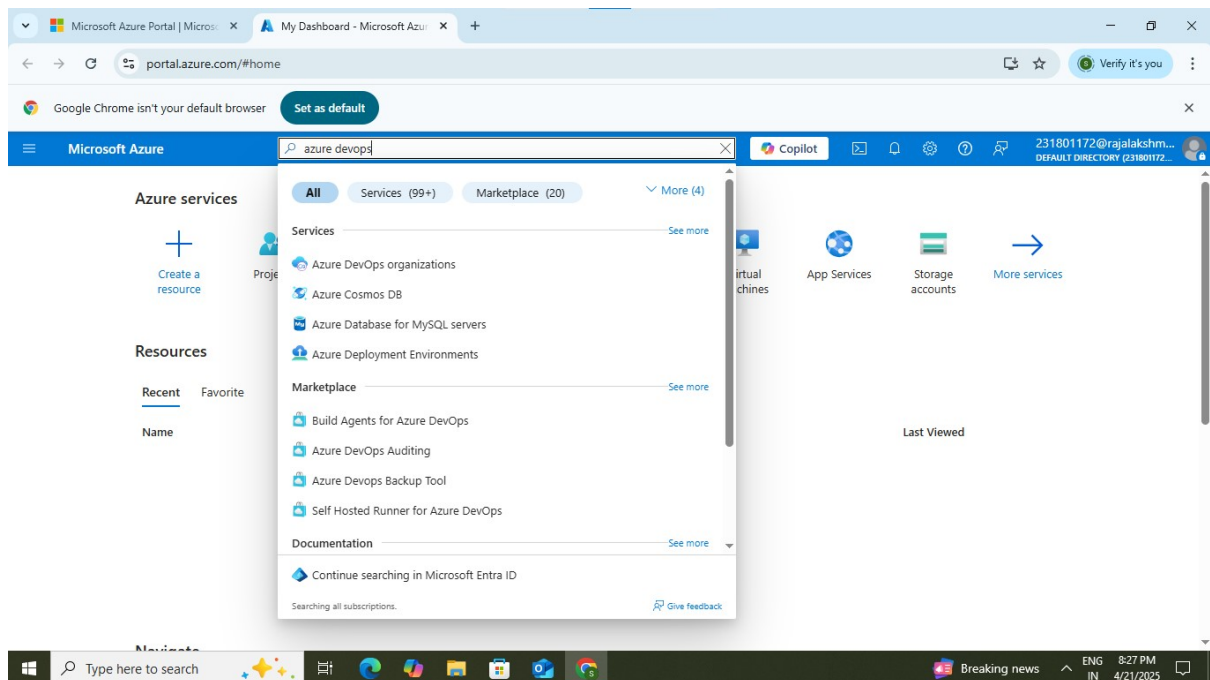
<https://signup.live.com/?lic=1>



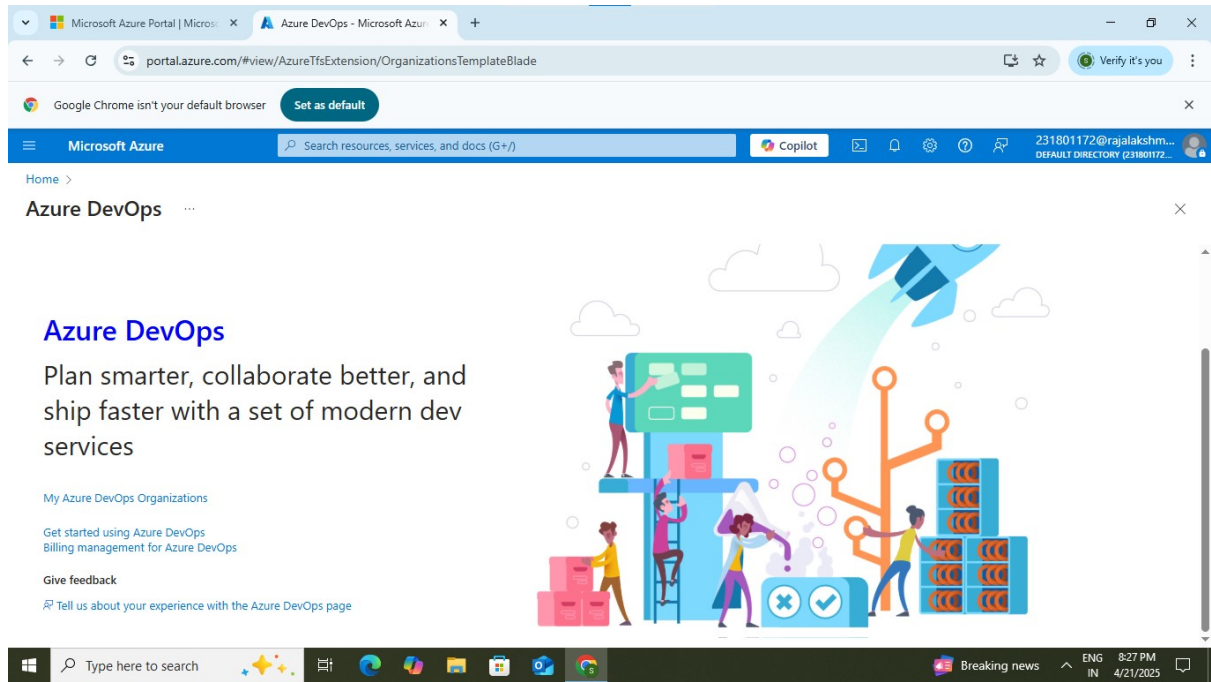
2. Azure home page



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**

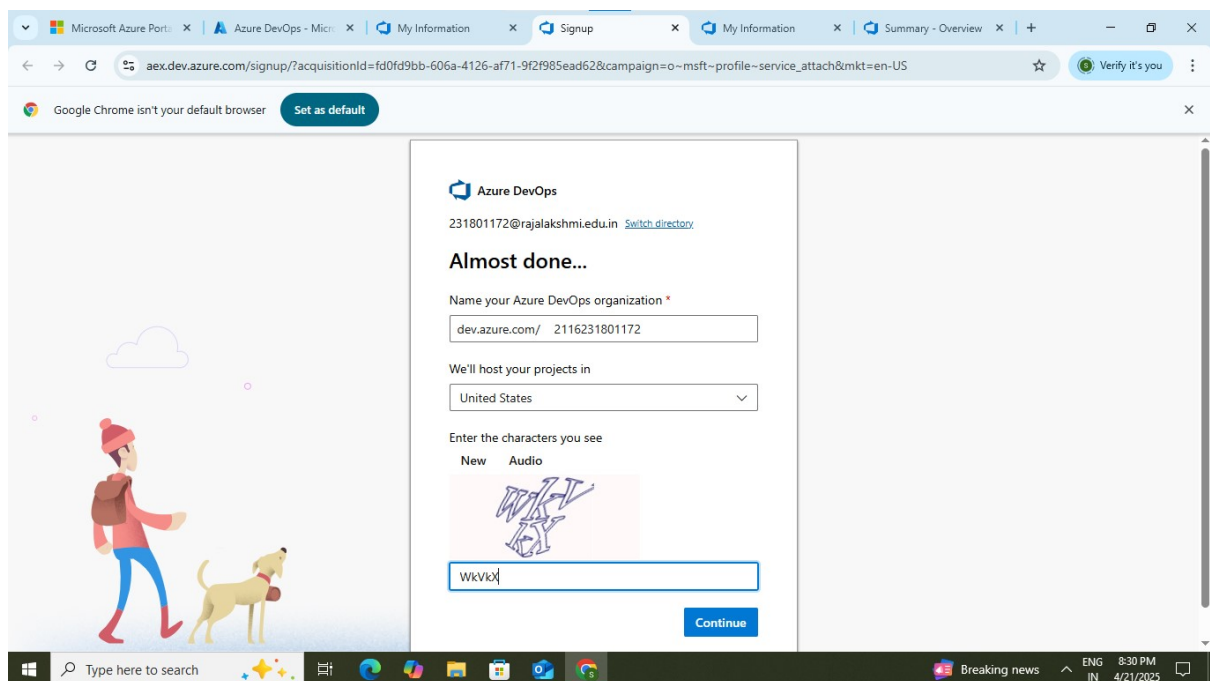
## **AZURE DEVOPS PROJECT SETUP AND USER STORY**

### **MANAGEMENT**

#### **Aim:**

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

#### **1.Create An Azure Account**



Microsoft Azure Portal x Azure DevOps - Micro x My Information x Signup x My Information x Summary - Overview x + - x

aex.dev.azure.com/signup/?acquisitionId=fd0fd9bb-606a-4126-af71-9f2f985ead62&campaign=o~msft~profile~service\_attach&mkt=en-US

Google Chrome isn't your default browser Set as default x

Azure DevOps

231801172@rajalakshmi.edu.in [Switch directory](#)

**Almost done...**

Name your Azure DevOps organization \*

dev.azure.com/ 2116231801172

We'll host your projects in

United States

Enter the characters you see

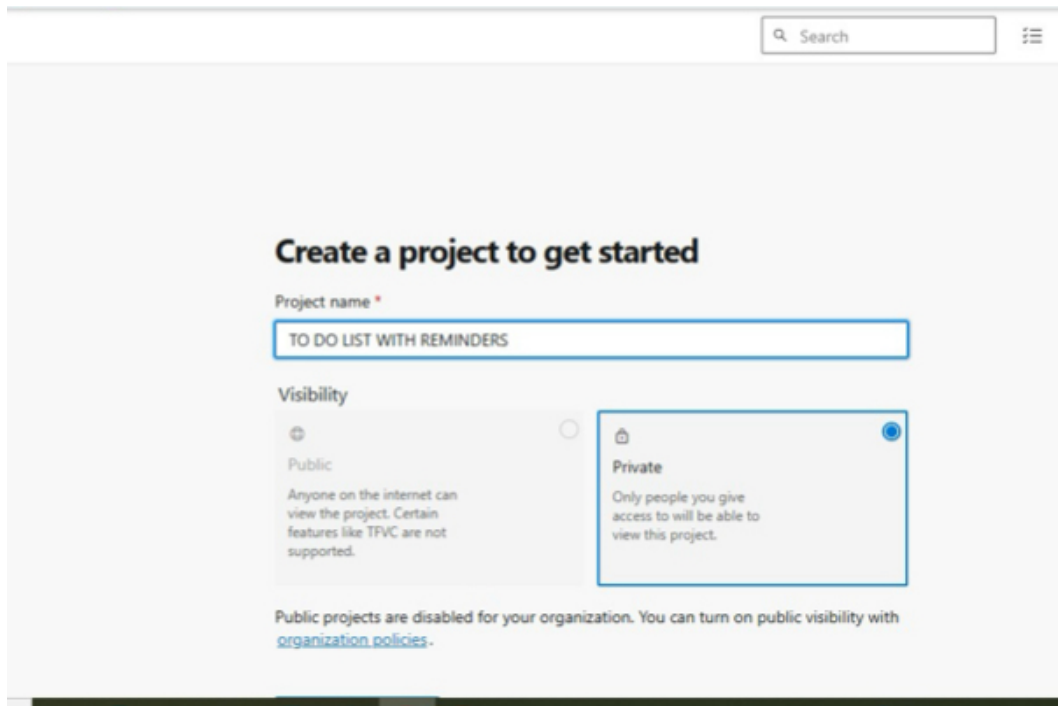
New Audio

WkVix

Continue

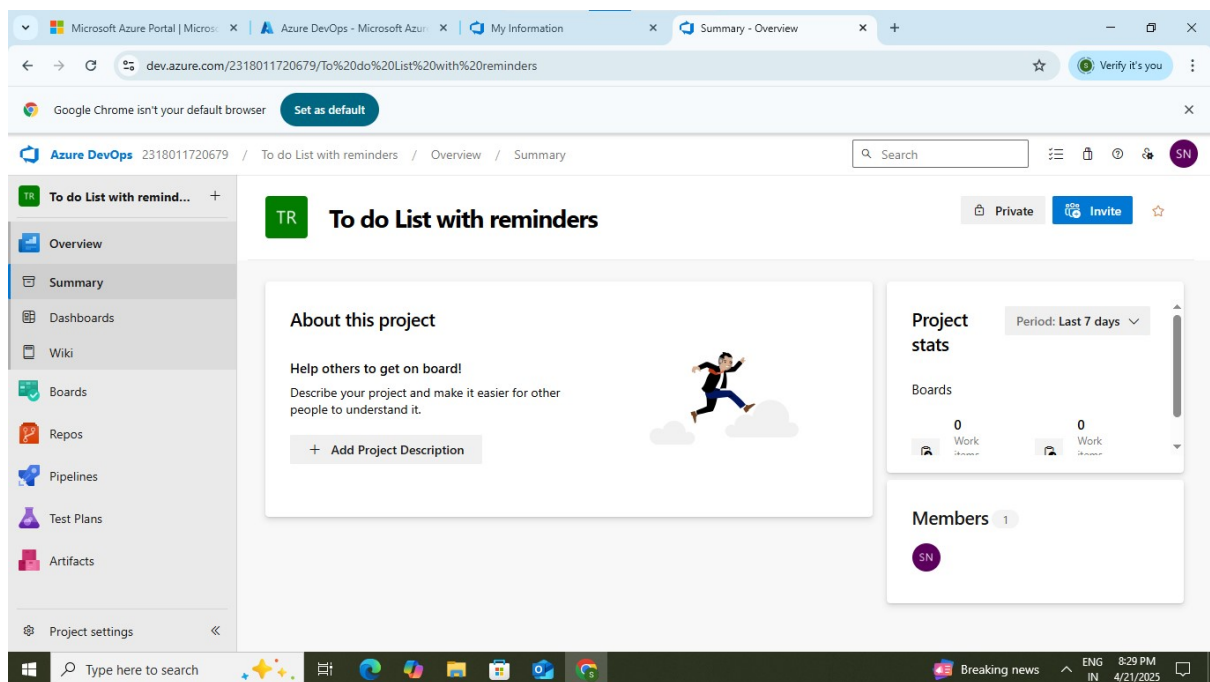
#### **2.Create the First Project in Your Organization**

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

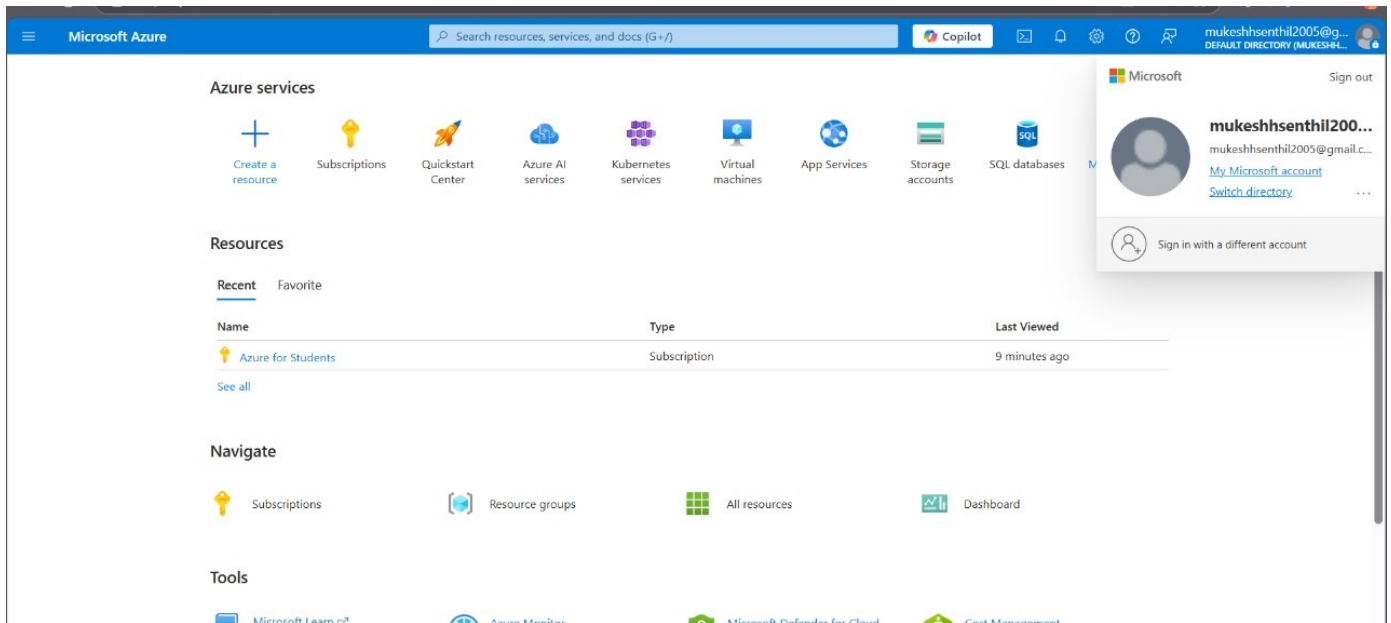


Caption

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



Caption

#### 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.

dev.azure.com/mukeshhsenthil2005/To-Do-List-Remainder/\_backlogs/backlog/To-Do-List-Remainder%20Team/Epics

Azure DevOps mukeshhsenthil2005 / To-Do-List-Remainder / Boards / Backlogs

To-Do-List-Remainder

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Project settings

To-Do-List-Remainder Team

New Work Item

View as Board

Column Options

Backlog Analytics

Epics

Filter by keyword

Types Assigned to States Area Iteration Tags

Order	Work Item Type	Title	State	Effort	Busin...	Value Area	Tags
1	Epic	Smart Task Management for Enhanced Productivity	New			Business	
	Feature	User Registration and Profile Management	New			Business	
	User Story	As a new user, I want to register using my email and p...	New			Business	
	User Story	As a registered user, I want to log in using my credent...	Active			Business	
	User Story	As a user, I want to update my profile details (e.g., na...	Resolved			Business	
	Task	Create a "Profile" page layout.	New				
	Task	Display editable fields for name, email, phone, and ...	New				
	Feature	Task and Reminder Management	New			Business	
	User Story	As a user, I want to create new tasks with titles, descri...	Active			Business	

32°C Mostly cloudy

21:39 21-04-2025

Caption  
Caption

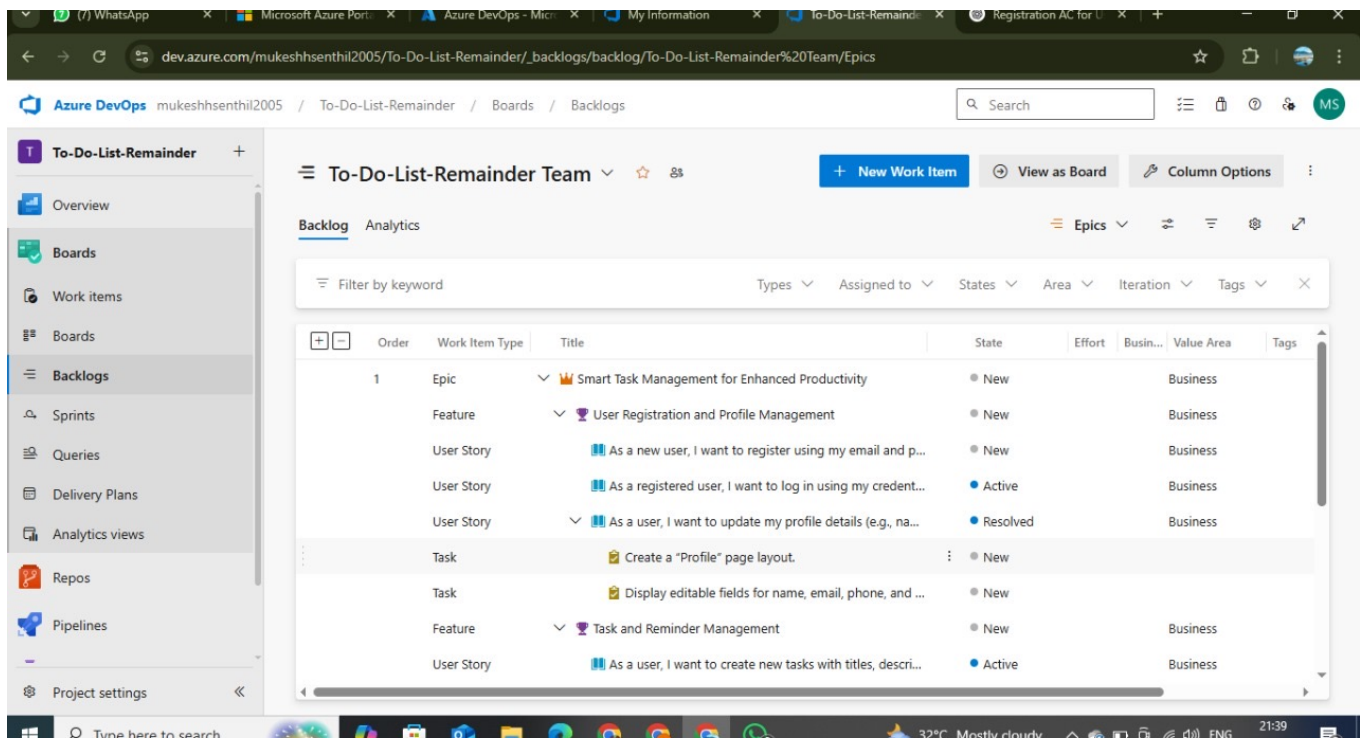
**Result: successfully created an Azure DevOps project with user story management and agile workflow setup.**

EXP NO: 3	<div>SETTING UP EPICS, FEATURES, AND USER STORIES FOR</div> <div>P R O J E C T</div> <div>PLANNING</div>
-----------	--

**Aim:**

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

**Create Epic, Features, User Stories, Task**



Caption



## 1.Fill in Epics

The screenshot shows the Azure DevOps interface for a team named 'To-Do-List with Remainder'. The 'Backlog' view is active, displaying a list of four Epics. The right sidebar shows the 'Planning' view with a 'Sprint 1' card.

Order	Work Item Type	Title	State
1	Epic	User Management	New
2	Epic	Task Management	New
3	Epic	Reminders and Notifications	New
4	Epic	Task Reminders & Notifications	New

Epics: 4, Tasks: 8

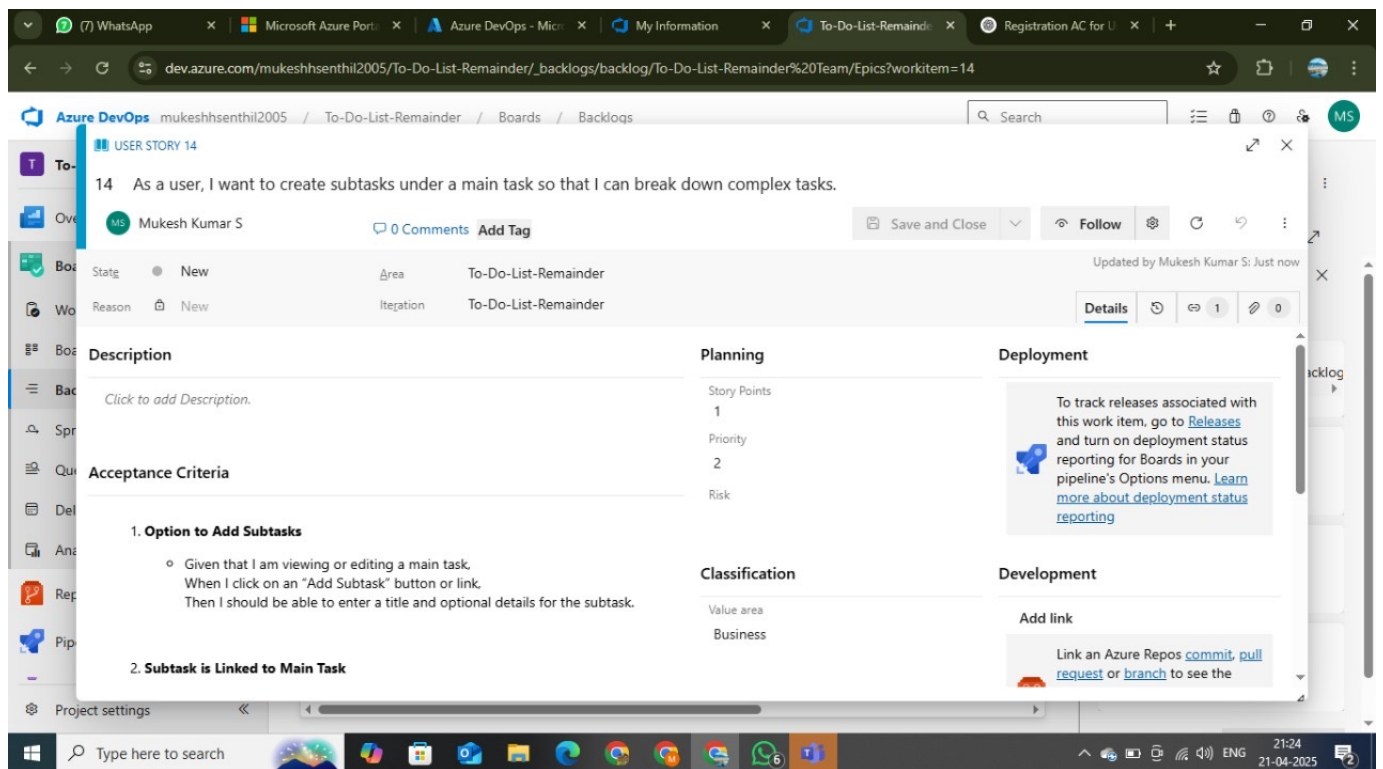
## 2.Fill in Features

The screenshot shows the Azure DevOps interface for the same team. The 'Backlog' view is active, displaying a list of four Epics. The right sidebar shows the 'Planning' view with a 'Sprint 1' card.

Order	Work Item Type	Title	State
1	Epic	User Management	New
	Feature	User registration and login system	New
2	Epic	Task Management	New
	Feature	Add, edit, and delete tasks	New
3	Epic	Reminders and Notifications	New
	Feature	Categorize and prioritize tasks	New
	User Story	As a user, I want to set reminders for my tasks, so that...	New
4	Epic	Task Reminders & Notifications	New

Epics: 4, Tasks: 8

## 3.Fill in User Story Details



Caption

## Result:

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

**Aim:**

To assign Test case ,Test suites and Test case specific sprint for the To Do List With Remainder Project.

**Test Planning :**

Title	Outcome	Order	Test Case Id
Create task with valid data	Passed	1	27
Create task with only title	Passed	2	28

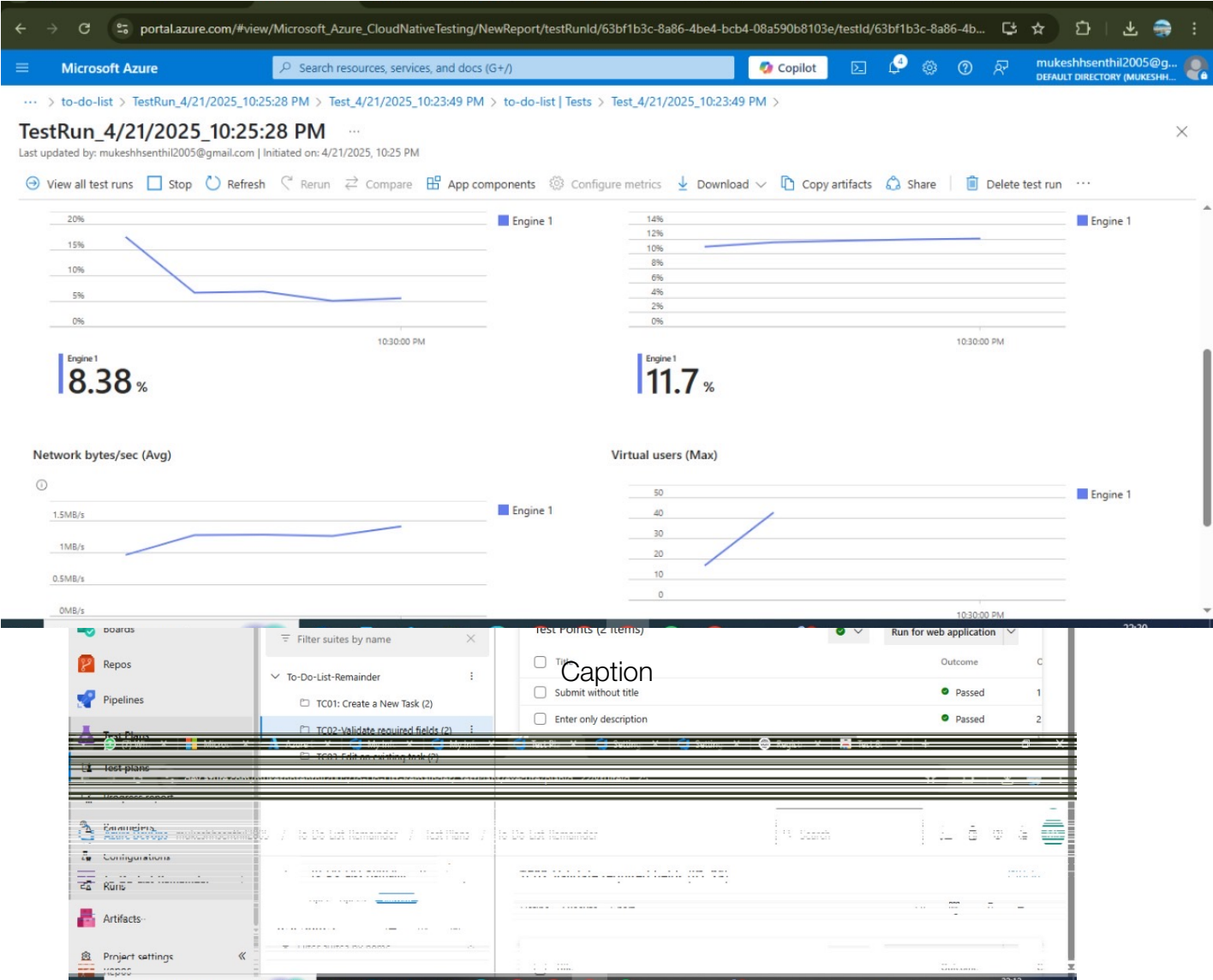
Caption

Title	Outcome	Order	Test Case Id
Create task with valid data	Passed	1	27
Create task with only title	Passed	2	28

Caption

Test suites:

Test Run:



Caption

Test Suites:

Azure DevOps 231801178 / To-Do-List with Remainder / Test Plans / Login page testing

Search

21 : As a user, I want to be able to register an account and log in, so that I can access my personal to-do list and manage tasks securely. (ID: 43)

Define Execute Chart

Test Suites

Filter suites by name

Login page testing

Valid Login Test (1)

26 : As a user, I want to add...

21 : As a user, I want to be ...

Test Cases (3 items)

New Test Case

Title	Order	Test Case
Register with valid inputs	1	44
Register with an already registered email	2	45
Register with invalid email format	3	46

Project settings

https://dev.azure.com/231801178/To-Do-List with Remainder/\_testPlans/define?planId=39&suiteId=43

## Test Cases:

To-Do-List with Remainder

Login page testing

Apr 23 - Apr 30

Current

Test Suites

Filter suites by name

Login page testing

Valid Login Test (1)

26 : As a user, I want to add...

21 : As a user, I want to be ...

21 : As a user, I want to be able to register an account and log in, so that I can access my personal to-do list and manage tasks securely. (ID: 43)

Define Execute Chart

Test Points (3 items)

Run for web application

Title	Outcome	Count
Register with valid inputs	Passed	1
Register with an already registered email	Passed	2
Register with invalid email format	Passed	3

Project settings

https://dev.azure.com/231801178/To-Do-List with Remainder/\_testPlans/execute?planId=39&suiteId=43

## Test Run:

To-Do-List with Remainder

Login page testing

Apr 23 - Apr 30

Current

Test Suites

Filter suites by name

Login page testing

Valid Login Test (1)

26 : As a user, I want to add...

21 : As a user, I want to be ...

21 : As a user, I want to be able to register an account and log in, so that I can access my personal to-do list and manage tasks securely. (ID: 43)

Define Execute Chart

+ New

21 : As a user, I want to be able to r...

Project settings

https://dev.azure.com/231801178/To-Do-List with Remainder/\_testPlans/charts?planId=39&suiteId=43

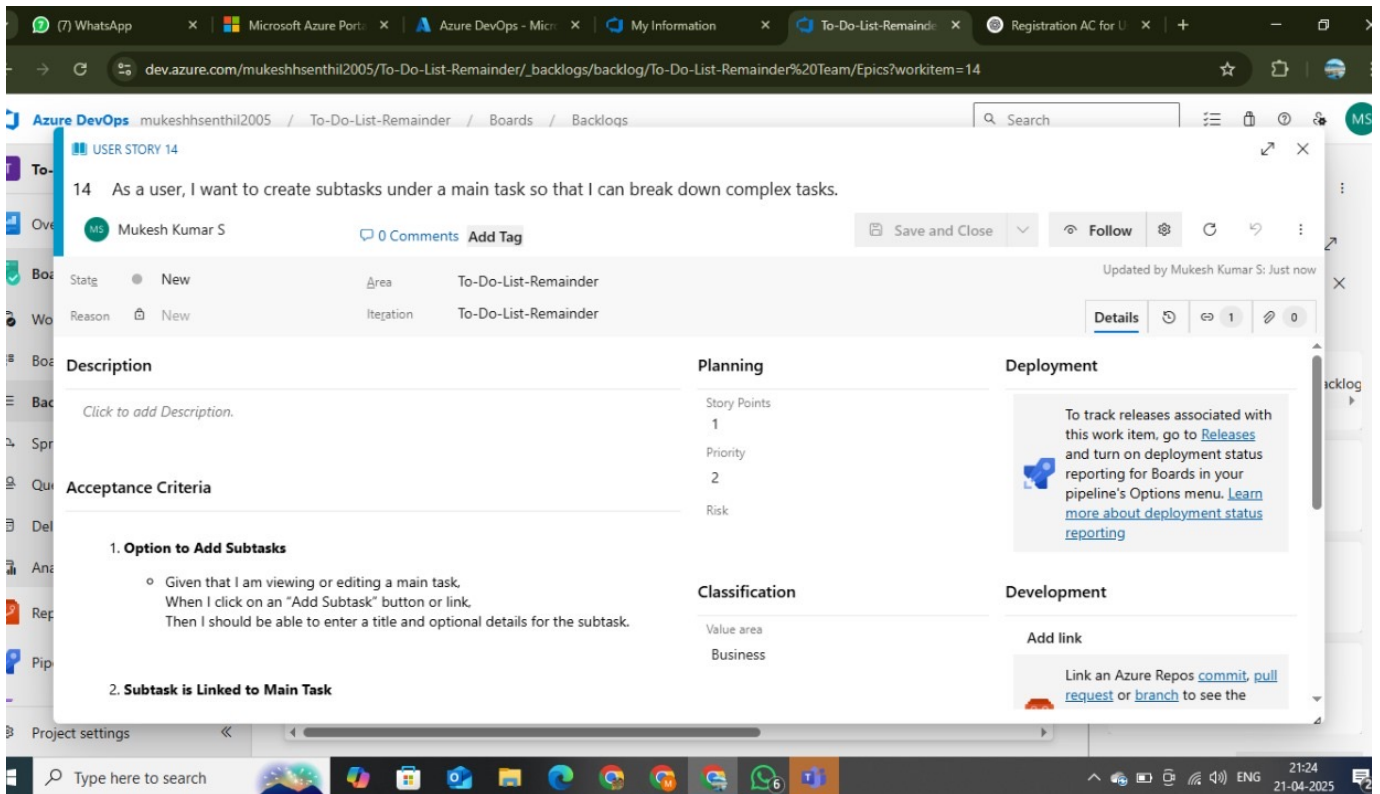
**RESULT : Thus , the Test plan ,Test suites and Test cases of the To Do List With remainder was executed Successfully**

<b>EXP NO: 5</b>	<b>POKER ESTIMATION</b>
------------------	-------------------------

**Aim:**

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

**Poker Estimation**



Caption

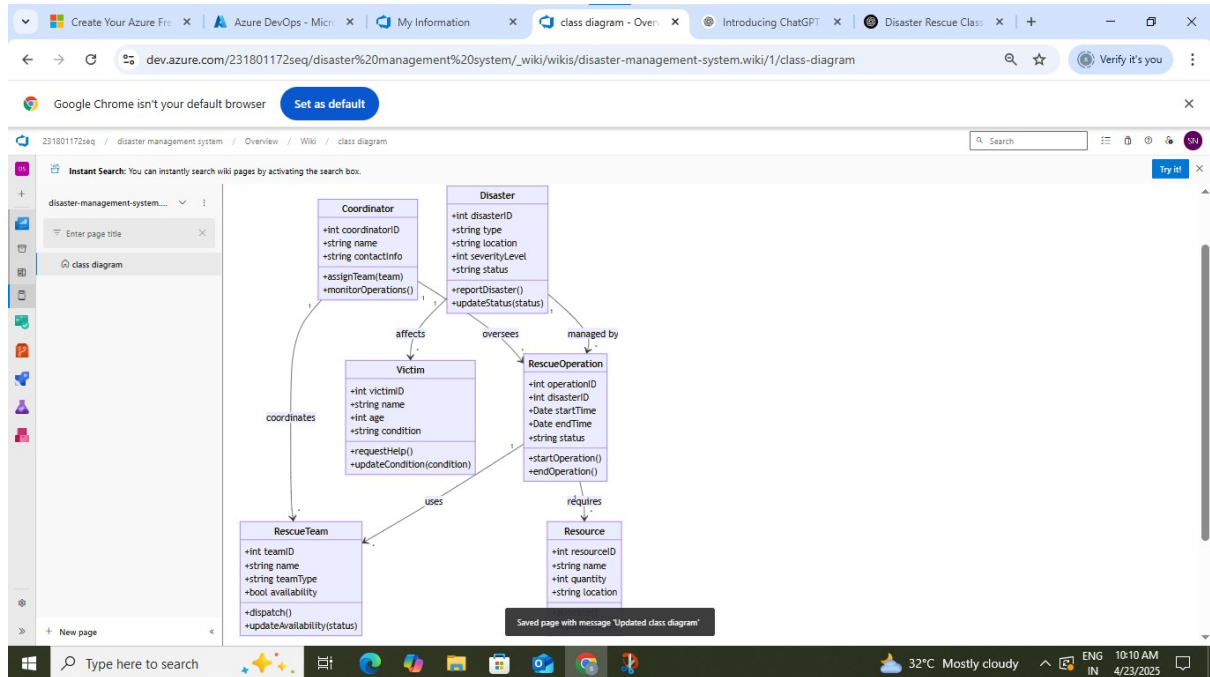
**Result: The Estimation/Story Points is created for the project using Poker Estimation.**

<p><b>EXP NO: 6</b></p>	<p><b>DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR P R O J E C T ARCHITECTURE</b></p>
-------------------------	--

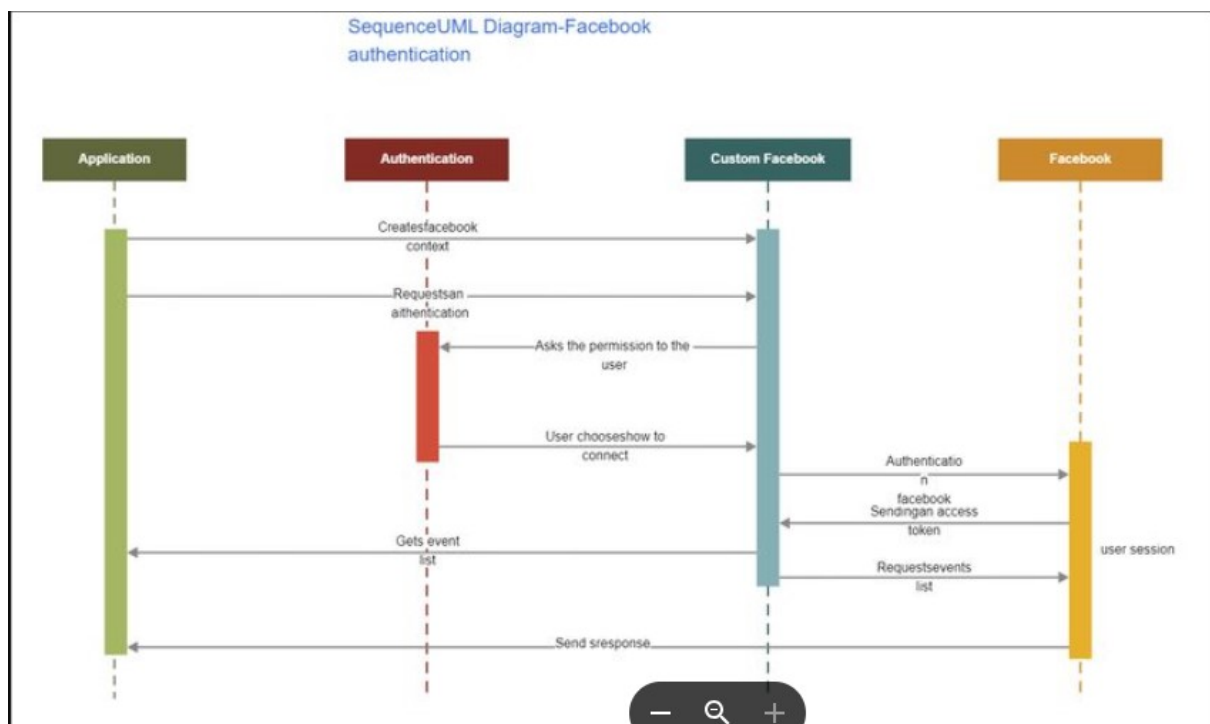
**Aim:**

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

## 6A. Class Diagram



## 6B. Sequence Diagram





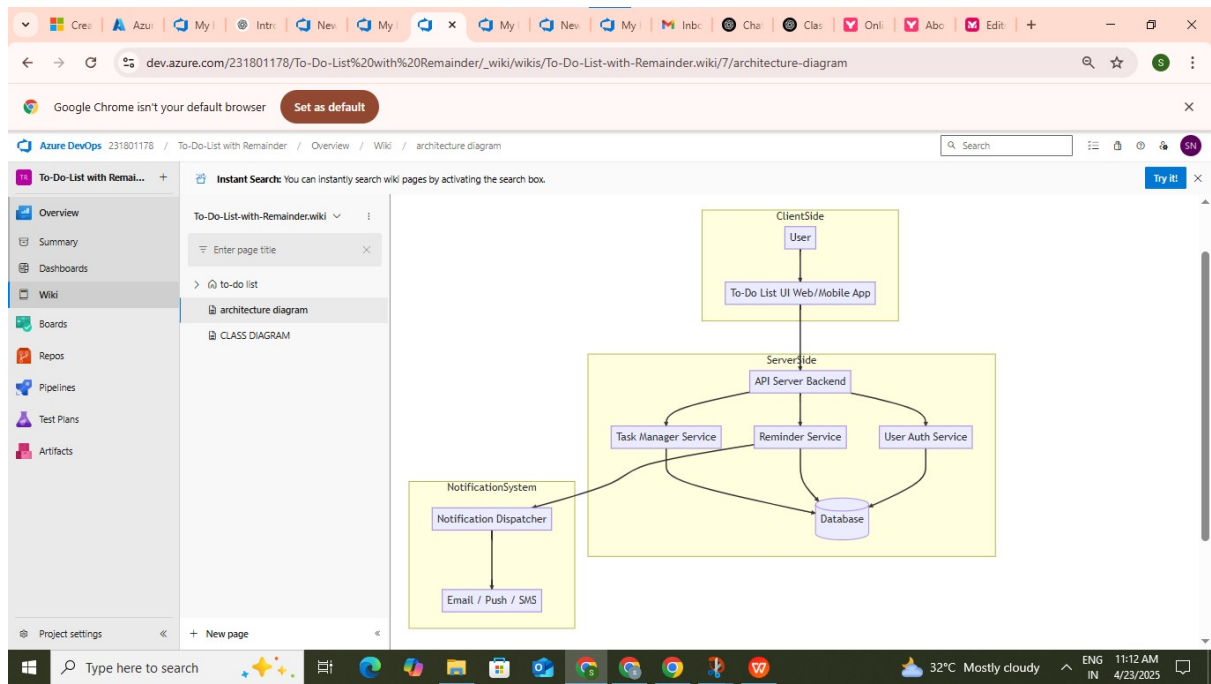
**Result:** The Class Diagram and Sequence Diagram is designed Successfully for the Music Playlist Batch Creator.

<b>EXP NO: 7</b>	<b>DESIGNING ARCHITECTURAL AND ER DIAGRAMS FOR P R O J E C T STRUCTURE</b>
------------------	--

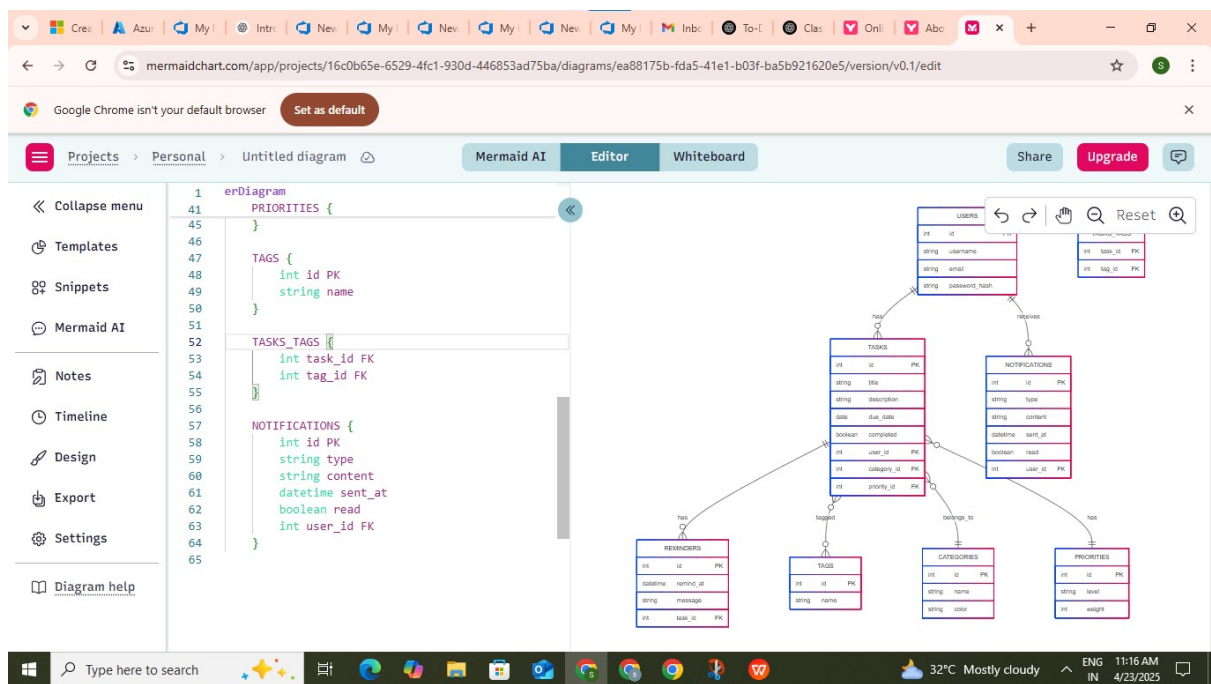
**Aim:**

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