



RAJALAKSHMI
ENGINEERING COLLEGE
An AUTONOMOUS Institution
Affiliated to ANNA UNIVERSITY, Chennai

DEPARTMENT OF INFORMATION TECHNOLOGY
LAB MANUAL

CS23432 – Software Construction

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Exp.No: 1	AZURE DEVOPS ENVIRONMENT SETUP
Date:22/01/2025	

AIM: To set up and access the Azure DevOps environment by creating an organization through the Azure Portal.

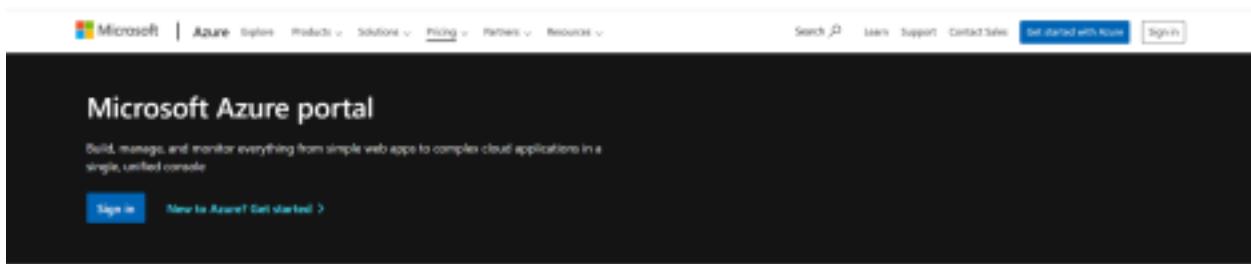
INSTALLATION

1. Open your web browser and go to the Azure website:

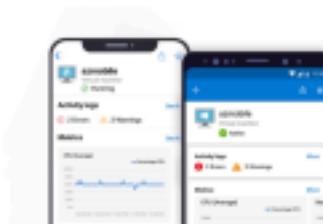
<https://azure.microsoft.com/en-us/getstarted/azure-portal>.

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>



Azure mobile app
Stay connected to your Azure resources—anytime, anywhere. Now available for iOS and Android.
[Learn more >](#)



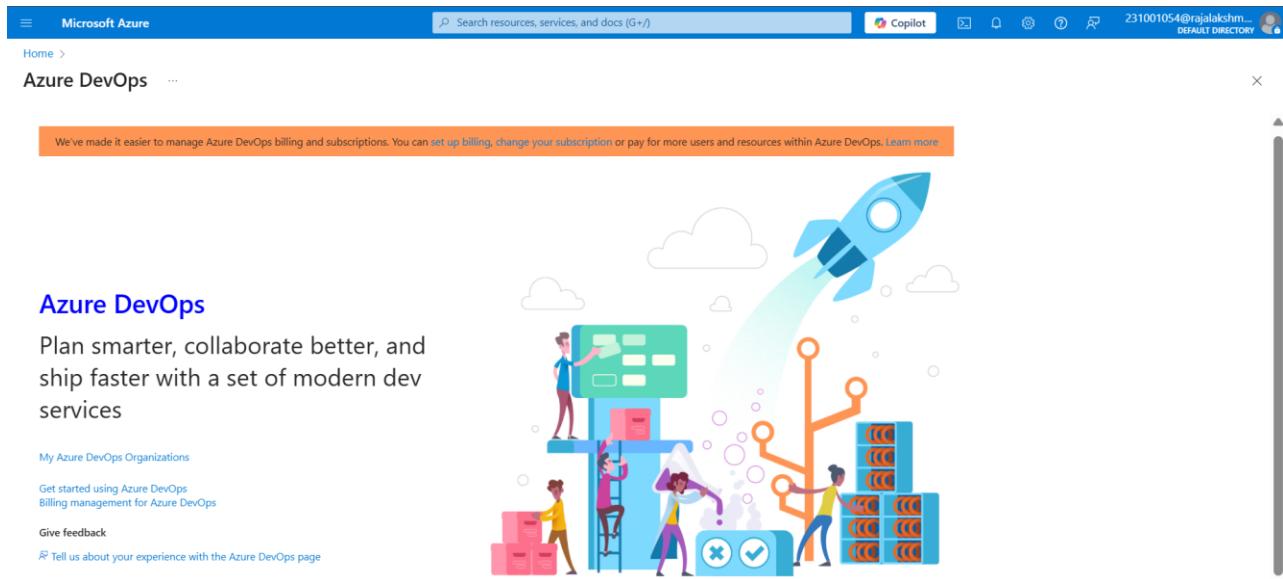
2.Azure home page

The screenshot shows the Microsoft Azure home page. At the top, there's a search bar and a Copilot button. Below the header, the "Azure services" section features a grid of icons for various services: Create a resource, Subscriptions, Azure DevOps organizations, Oracle Database@Azure, Quickstart Center, Azure AI foundry, Kubernetes services, Virtual machines, App Services, and More services. The "Resources" section shows a message: "No resources have been viewed recently" with a "View all resources" button. The "Navigate" section includes links for Subscriptions, Resource groups, All resources, and Dashboard. The "Tools" section lists Microsoft Learn, Azure Monitor, Microsoft Defender for Cloud, and Cost Management. The "Useful links" section includes Technical Documentation, Azure Services, Recent Azure Updates, and links to the App Store and Google Play. The overall layout is clean and organized, providing quick access to essential cloud management tools.

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

This screenshot is similar to the previous one but includes a search result overlay. The search term "devops" is entered in the search bar, and the results are displayed under the "Services" tab. The results include Azure Native New Relic Service, Managed DevOps Pools, Azure DevOps organizations, and Azure Native Dynatrace Service. The rest of the page layout remains the same, with the "Azure services" section, "Resources" section, "Navigate" section, "Tools" section, and "Useful links" section all visible below the search results.

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 SET UP AND USER STORY
Date: 07/02/2025	MANAGEMENT

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

STEPS:

- 1.Create An Azure Account



Azure DevOps
231001054@rajalakshmi.edu.in [Switch directory](#)

Almost done...

Name your Azure DevOps organization *

We'll host your projects in

Enter the characters you see

New Audio



Continue

2.Create the First Project in Your Organization

a. 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.

b. On the organization's **Home page**, click on the **New Project** button.

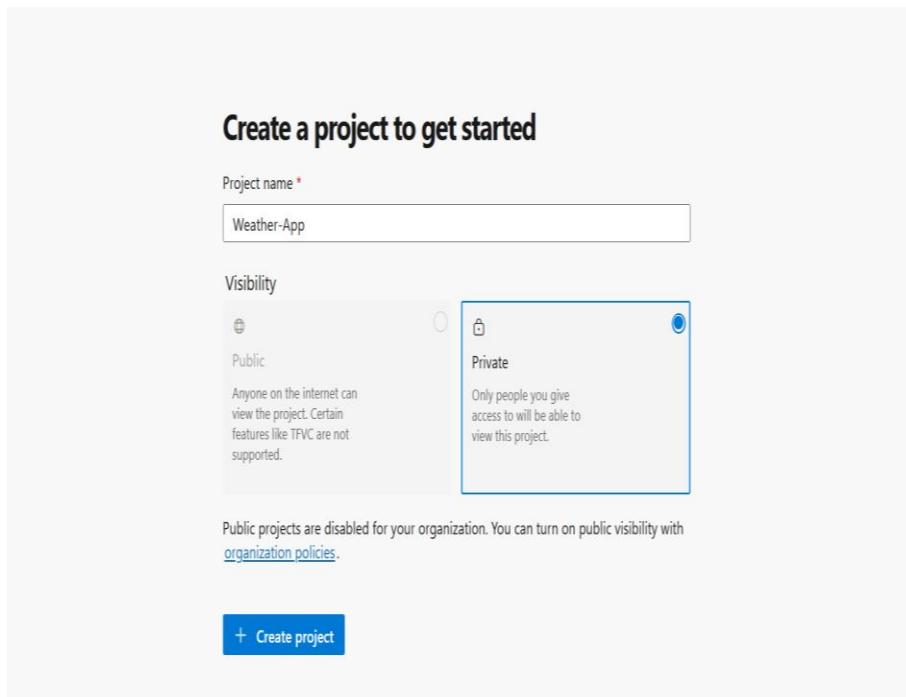
c. Enter the project name, description, and visibility options:

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).

d. Once you've filled out the details, click **Create** to set up your first project.



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.

The screenshot shows the Azure DevOps Organization Home page. At the top, there's a blue header bar with the Microsoft logo and a sign-out link. Below the header, there's a large green circular icon with the number '2' in white. To its right, the organization name '231001063' is displayed along with an 'Edit profile' button. Below this, there are sections for 'India' and an email address '231001063@rajalakshmi.edu.in'. A 'Visual Studio Dev Essentials' section is also present, mentioning benefits for building and deploying apps. On the right side, the 'Azure DevOps Organizations' interface is shown, listing two organizations: 'dev.azure.com/231001063' (Owner) and 'dev.azure.com/2310010630317' (Owner). Each organization has a 'Projects' section with icons for 'Software Construction' and 'hema', and an 'Actions' section with a 'New project' button. A 'Create new organization' button is located at the top right of the organization list.

4. Project dashboard

The screenshot shows the Azure DevOps Project Overview page for the 'weather app' project. The top navigation bar includes the Azure DevOps logo, the project name 'weather app', and links for 'Overview', 'Summary', and 'Summary' (which is currently selected). The left sidebar contains links for 'Overview', 'Summary' (selected), 'Dashboards', 'Wiki', 'Boards', 'Repos', 'Pipelines', 'Test Plans', and 'Artifacts'. The main content area is titled 'weather app' and features a 'About this project' section. This section includes a 'Project Description' which states: 'This project is a comprehensive Weather Forecasting System developed under Microsoft Azure's cloud ecosystem. It is designed to provide users with real-time weather information, a 5-day forecast, personalized settings, and safety alerts to improve daily decision-making and outdoor planning. The system is structured around four core functional themes: Weather Updates & Personalization, Safety & Alerts, Admin Dashboard & User Management, and Performance & Scalability.' Below this, there are sections for 'Weather Updates & Personalization', 'Safety & Alerts', 'Admin Dashboard & User Management', and a summary statement: 'Each module is designed for performance, scalability, and user engagement. The system uses Azure's cloud platform to ensure high availability and service continuity.' There are also 'Like' and 'Edit' buttons in the top right of the 'About' section.

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 this user story.

The screenshot shows the Azure DevOps interface for the 'weather app' project. The left sidebar is the navigation menu with options like Overview, Boards, Backlogs (selected), Work items, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, and Project settings. The main area is titled 'weather app Team' and shows the 'Backlog' tab selected. It displays a list of work items with columns for Order, Work Item Type, Title, State, Effort, Business, Value Area, and Tags. There are four Epic work items listed:

Order	Work Item Type	Title	State	Effort	Business	Value Area	Tags
1	Epic	> 🌡 Epic : Accurate and Real-Time Weather Updates	New			Business	
2	Epic	> 🌡 User Customization Options	New			Business	
3	Epic	> 🌡 Epic : Emergency Weather Alerts & Notifications	New			Business	
4	Epic	> 🌡 Epic : User and System Control	New			Business	

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
Date: 14/02/2025	

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

1.Fill in Epics

EPIC 1

1 Epic : Accurate and Real-Time Weather Updates

No one selected 0 Comments Add Tag

State: New Area: weather app
Reason: New Iteration: weather app\sprint 1

Save and Close Follow Details Updated by Harini K Mar 31

Description

Click to add Description.

switch to Markdown editor

Planning

Priority: 2 Risk

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](#)

Discussion

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

switch to Markdown editor

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

Child

2 Real-Time Weather Updates and 5-Day Forecast

2.Fill in Features

The screenshot shows the 'FEATURE 2' details page in Azure DevOps. The top navigation bar includes 'Save and Close', 'Follow', and 'Details' buttons. The main content area is divided into several sections:

- Description:** Click to add Description.
- Planning:** Priority: 2, Risk: 1.
- Deployment:** A note about tracking releases, linking to [Releases](#) and [Deployment status reporting](#).
- Discussion:** A comment input field with placeholder text: 'Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.' and a 'switch to Markdown editor' link.
- 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.
- Classification:** Value area: Business, Business.
- Related Work:** Parent: 1 Epic : Accurate and Real-Time Weather Updates (Updated Mar 31, New). Child: None.

3.Fill in User Story Details

The screenshot shows the 'USER STORY 4' details page in Azure DevOps. The top navigation bar includes 'Save and Close', 'Follow', and 'Details' buttons. The main content area is divided into several sections:

- Description:** Click to add Description.
- Acceptance Criteria:** 1. The app should fetch and display current temperature, humidity, and wind speed. 2. Weather data should update automatically at regular intervals. 3. A refresh button should be available for manual updates.
- Planning:** Story Points: 1, Priority: 1, Risk: 1.
- Deployment:** A note about tracking releases, linking to [Releases](#) and [Deployment status reporting](#).
- Discussion:** A comment input field with placeholder text: 'Add a comment. Use # to link a work item, @ to mention a person, or ! to link a pull request.' and a 'switch to Markdown editor' link.
- 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.
- Classification:** Value area: Business, Business.
- Related Work:** Parent: 2 Real-Time Weather Updates and 5-Day Forecast (Updated Mar 31, New). Child: 9 A refresh button should be available for manual updates (Updated Sunday, New), 7 The app should fetch and display current temperature, humidity, and wind speed (Updated Sunday, New), 8 Weather data should update automatically at regular intervals (Updated Sunday, New). Tested By: 65 TC102_2: Validate displayed weather data (Updated 5h ago, Design), 66 TC102_3: Verify last updated time shown (Updated 5h ago, Design). Show more (6 of 7) Not shown: Tested By (1)

4.Fill in Task Details

The screenshot shows the 'Task Details' page for 'TASK 7'. The task description is: '7 The app should fetch and display current temperature, humidity, and wind speed.' The task is marked as 'New' and is part of the 'weather app' area and 'weather app\sprint 1' iteration. The 'Planning' section shows a priority of 2. The 'Effort (Hours)' section shows original estimate, remaining, and completed hours. The 'Implementation' section indicates 'Integrated in Build'. The 'Deployment' section provides instructions on tracking releases. The 'Development' section links to Azure Repos for commits and pull requests. The 'Related Work' section lists a parent task: '4 As a user, I want to see real-time weather upda...'.

7 The app should fetch and display current temperature, humidity, and wind speed.

231001063 0 Comments Add Tag

State: New Area: weather app
Reason: New Iteration: weather app\sprint 1

Save and Close Follow Details

Updated by 231001063: Sunday

Description: Click to add Description.

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 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: Add link Parent
4 As a user, I want to see real-time weather upda... Updated Sunday

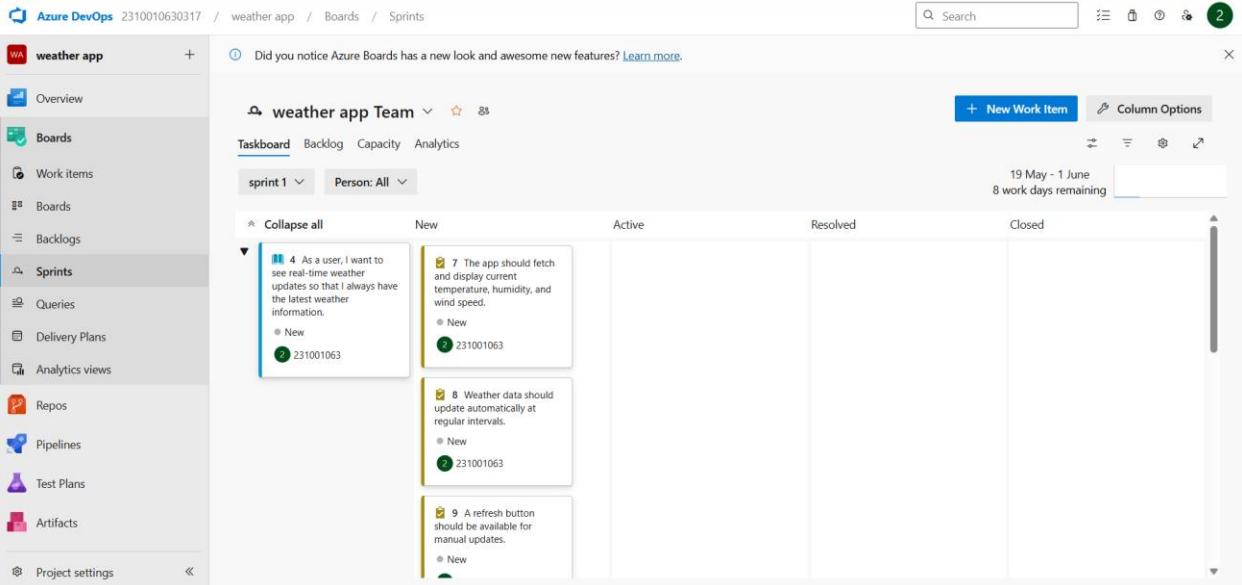
RESULT: Thus, the creation of epics, features, user story and task has been created successfully.

Exp.No: 4	SPRINT PLANNING
Date: 20/03/2025	

AIM: To assign user story to specific sprint for the Weather App Project.

SPRINT PLANNING

Sprint 1

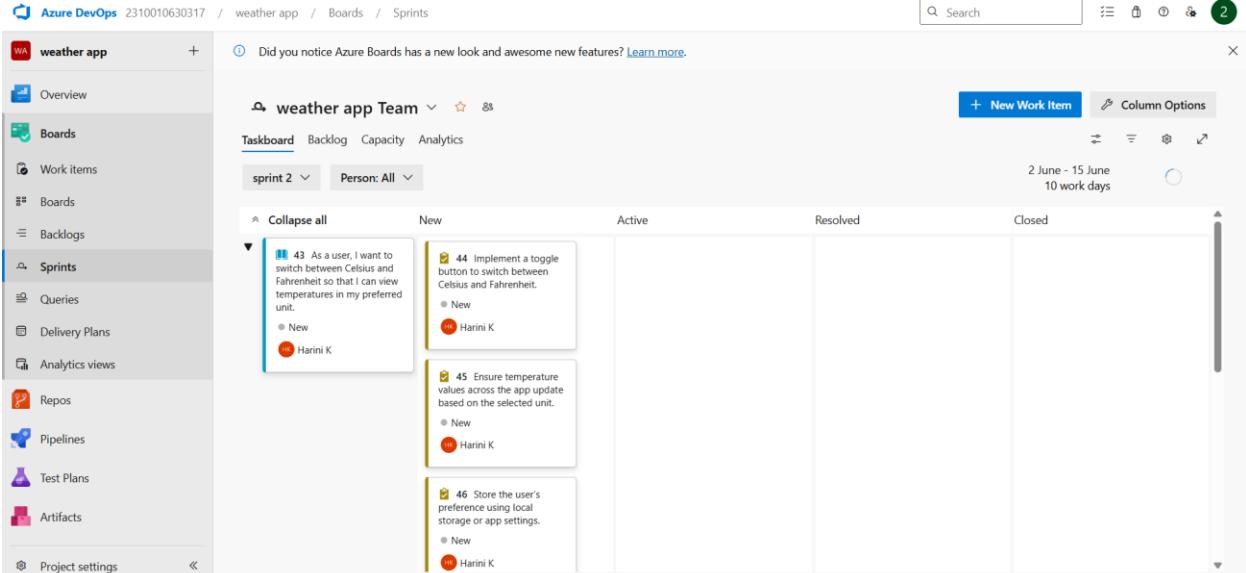


The screenshot shows the Azure DevOps Boards Taskboard for the 'weather app' project. The board is set up for 'Sprint 1' and has four columns: Active, Resolved, and Closed, with 'New' as the default view. Three user stories are visible in the 'New' column:

- User Story 4:** As a user, I want to see real-time weather updates so that I always have the latest weather information. Status: New, Assigned to: 231001063.
- User Story 7:** The app should fetch and display current temperature, humidity, and wind speed. Status: New, Assigned to: 231001063.
- User Story 8:** Weather data should update automatically at regular intervals. Status: New, Assigned to: 231001063.
- User Story 9:** A refresh button should be available for manual updates. Status: New, Assigned to: 231001063.

The sidebar on the left shows navigation links for Overview, Boards, Work items, Boards, Backlogs, Sprints (selected), Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, Artifacts, and Project settings. The top right corner shows a search bar, filter icons, and a notification badge with the number 2.

Sprint 2

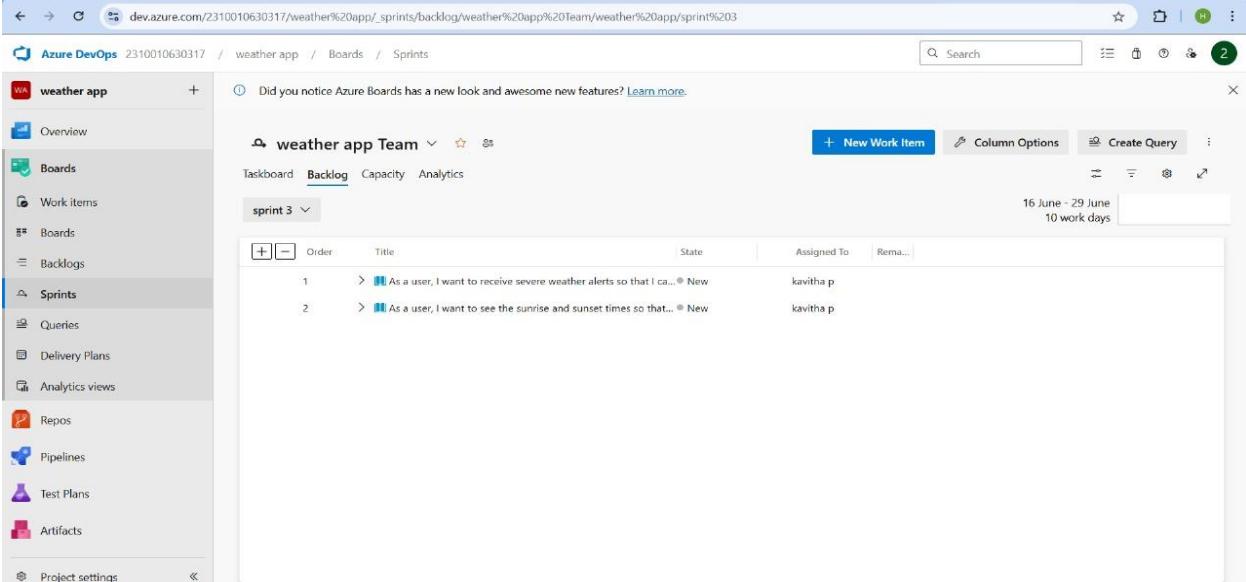


The screenshot shows the Azure Boards Taskboard for the 'weather app' project. The sidebar on the left is collapsed. The main area displays a taskboard for the 'weather app Team' under the 'Taskboard' tab. The sprint is set to 'sprint 2'. The backlog is visible, showing three items:

- Item 43: As a user, I want to switch between Celsius and Fahrenheit so that I can view temperatures in my preferred unit. Status: New, Assigned To: Harini K.
- Item 44: Implement a toggle button to switch between Celsius and Fahrenheit. Status: New, Assigned To: Harini K.
- Item 45: Ensure temperature values across the app update based on the selected unit. Status: New, Assigned To: Harini K.
- Item 46: Store the user's preference using local storage or app settings. Status: New, Assigned To: Harini K.

The taskboard has columns for New, Active, Resolved, and Closed. The timeline at the top right indicates the sprint runs from 2 June - 15 June, which is 10 work days.

Sprint 3



The screenshot shows the Azure Boards Backlog for the 'weather app' project. The sidebar on the left is collapsed. The main area displays a backlog for the 'weather app Team' under the 'Backlog' tab. The sprint is set to 'sprint 3'. The backlog table shows two items:

Order	Title	State	Assigned To	Re... <th></th>	
1	> As a user, I want to receive severe weather alerts so that I can... (New)	New	kavitha p		
2	> As a user, I want to see the sunrise and sunset times so that... (New)	New	kavitha p		

The backlog table has columns for Order, Title, State, Assigned To, and Remarks. The timeline at the top right indicates the sprint runs from 16 June - 29 June, which is 10 work days.

Sprint 4

The screenshot shows the Azure DevOps Boards interface for the 'weather app' project. The left sidebar navigation bar is visible, showing options like Overview, Boards, Work items, Boards, Backlogs, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, Artifacts, and Project settings. The main area displays the 'weather app Team' backlog under the 'Backlog' tab. A message at the top indicates a new look and features. The backlog table has columns for Order, Title, State, Assigned To, and Remaining. Two items are listed:

Order	Title	State	Assigned To	Remaining
1	> As an admin, I want to manage registered users so that I can... (New)	New	Harisha D	
2	> As an admin, I want to track system performance and server... (New)	New	Harisha D	

At the bottom right of the backlog view, it says '30 June - 13 July' and '10 work days'.

RESULT: The Sprints are created for the Weather App Project.

Exp.No: 5	POKER ESTIMATION
Date: 28/03/2025	

AIM: Create Poker Estimation for the user stories - Weather App Project. **POKER ESTIMATION**

USER STORY #4
As a user, I want to see real-time weather updates so that I always have the latest weather information.

231001063 0 Comments Add Tag

Story Points: 23 Remaining: 1

Description: Click to add Description.

Acceptance Criteria:

- The app should fetch and display current temperature, humidity, and wind speed.
- Weather data should update automatically at regular intervals.
- A refresh button should be available for manual updates.

Classification: Value area: Business

Planning: Story Points: 23 Remaining: 1

Development: 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](#)

Related Work: Add link ▾ Parent: TC102_2; Validate displayed weather data Updated Mar 31 New Child: TC102_3; Validate last updated time shown Updated Sunday New TC102_4; Weather data should update automatically at regular intervals Updated Sunday New Tested By: TC102_2; Validate displayed weather data Updated Mar 31 Design TC102_3; Validate last updated time shown Updated Mar 31 Design TC102_4; Weather data should update automatically at regular intervals Updated Sunday Design Show more (6 of 7) Not shown: Tested By (1)

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

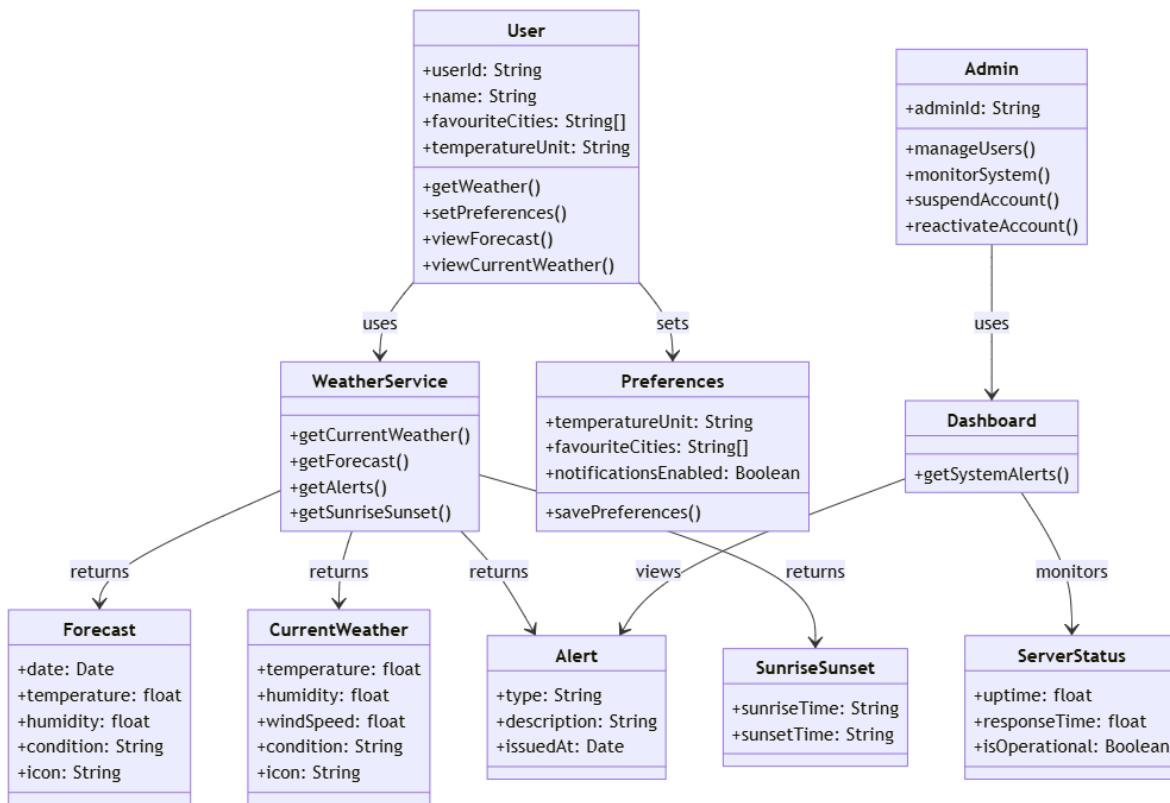
Exp.No: 6

DESIGNING CLASS AND SEQUENCE DIAGRAMS FOR PROJECT ARCHITECTURE

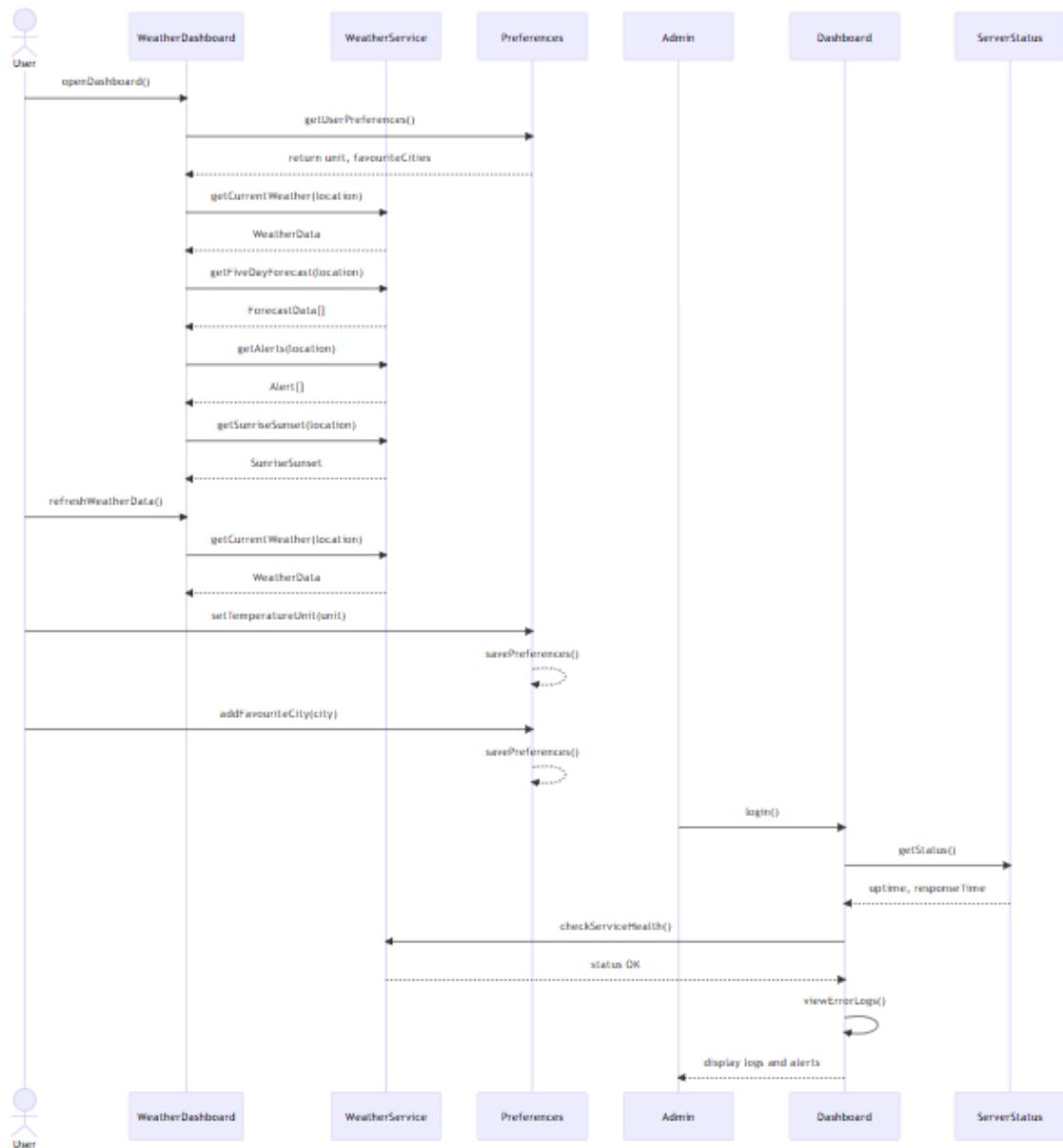
Date: 04/04/2025

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 Weather App

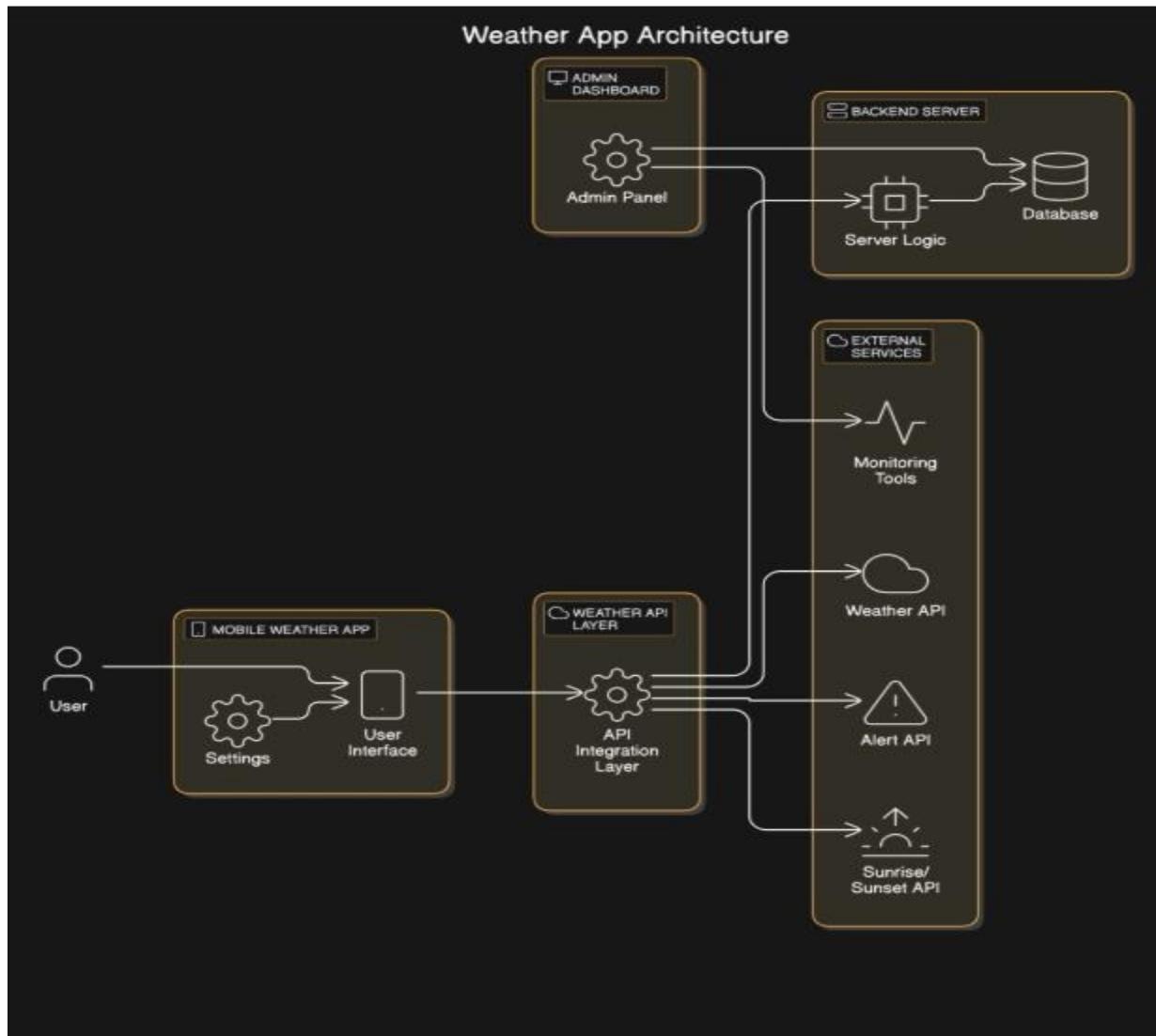
Exp.No: 7

DESIGNING ARCHITECTURAL AND ER DIAGRAMS FOR PROJECT STRUCTURE

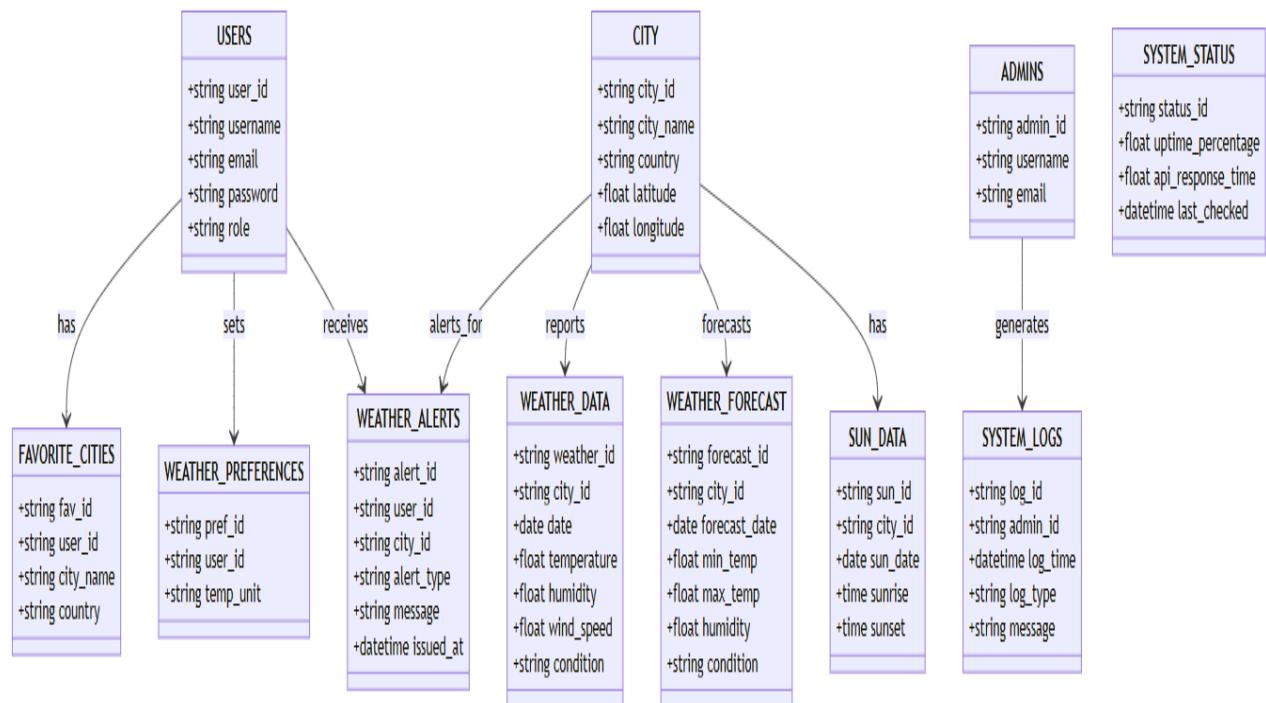
Date: 16/04/2025

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 Online Banking System.

Exp.No: 8	TESTING-TEST PLANS AND TEST CASES
Date: 18/04/2025	

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

- Real-Time Weather Updates (Current temperature, humidity, wind speed)
- 5-Day Weather Forecast (Daily conditions, temperature trends, icons)
- Emergency Weather Alerts (Storms, heatwaves, heavy rain notifications)
- Sunrise & Sunset Information (Based on selected city and date)
- Admin Dashboard (User management, system monitoring, API uptime)

2. Define User Interactions

Each test case reflects realistic user actions:

- Viewing real-time weather for a selected city
- Checking the 5-day weather forecast
- Switching between Celsius and Fahrenheit temperature units
- Receiving emergency weather alerts and notifications
- Viewing sunrise and sunset times for better daily planning
- Admin managing users and monitoring system status

3. Design Happy Path Test Cases

- Focused on successful flows where inputs are valid and systems behave as expected.
- Examples:
 - User views current weather for a selected city
 - User successfully switches temperature units
 - 5-day forecast displays accurate and updated data

4. Design Error Path Test Cases

- Focused on handling invalid, missing, or unexpected inputs.
- Examples:
 - Weather data fails to load due to no internet connection
 - API error returns blank forecast data
 - User tries to add a duplicate city to favourites

5. Break Down Steps and Expected Results

Each test case includes:

- Clear step-by-step user actions (e.g., selecting a city, clicking refresh)
- Specific expected outcomes for each action (e.g., weather data updates, alert is triggered)
This ensures reproducibility and easy automation later.

6. Use Clear Naming and IDs

- Example:
 - TC01 – View Real-Time Weather Successfully
 - TC04 – Toggle Temperature Unit to Fahrenheit
 - TC08 – Alert Not Displayed (No Severe Weather)
- Helps trace test cases to user stories and features in Azure DevOps

7. Separate Test Suites

Organize test cases based on functional modules:

- TS01 – Real-Time Weather & Forecast
- TS02 – Temperature Unit Toggle & Preferences
- TS03 – Favourite Cities Management
- TS04 – Emergency Alerts & Notifications
- TS05 – Sunrise/Sunset Info & UI Display
- TS06 – Admin Dashboard & System Monitoring

1. New test plan

 New Test Plan

Name *

Area Path *

Iteration *

 5/19/2025 - 6/1/2025 

Create Cancel

2.Test suite

The screenshot shows the Azure DevOps Test Plans interface for a project named 'weather app'. The left sidebar is open, showing options like Overview, Boards, Repos, Pipelines, Test Plans, Test plans, Progress report, Parameters, Configurations, Runs, Artifacts, and Project settings. The 'Test Plans' section is currently selected. In the center, a card titled 'Weather App - Functional Validation (ID: 87)' is displayed with tabs for Define, Execute, and Chart. A modal window is open over the card, titled 'Test Suites', showing a list of suites: 'Weather App - Functional Validation' (selected), 'Static suite', 'Requirement based suite', and 'Query based suite'. Below the modal, there's an illustration of a person painting on a canvas with a dog nearby, and a button labeled 'Add a test case'.

3.Test case

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

Weather App– Test Plans

User Stories – Weather Application

- **US199:** As a user, I want to see real-time weather updates so that I always have the latest weather information.
- **US200:** As a user, I want to view a 5-day weather forecast so that I can plan my activities in advance.
- **US196:** As an admin, I want to manage registered users so that I can monitor app usage and ensure compliance with policies.
- **US198:** As a user, I want to receive severe weather alerts so that I can take precautions.
- **US201:** As a user, I want to switch between Celsius and Fahrenheit so that I can view temperatures in my preferred unit

TEST SUITE: TC301_1- RECEIVE ALERT FOR STORM (ID:57)

Test Case:TC301_1: Receive alert for storm during disasters

User Story: As a user, I want to receive severe weather alerts so that I can take necessary precautions.

Test Type: Happy Path

Steps and Expected Results:

- **Action:** Enable storm alerts in settings
Expected Result: Setting is saved successfully
- **Action:** Trigger storm alert from system
Expected Result: Alert is activated
- **Action:** Send alert to user via preferred method
Expected Result: User receives storm alert notification

Notes:

Ensure user's contact info is valid. This test checks successful alert delivery.

TEST SUITE: TC301_1- GET PUSH NOTIFICATION (ID:57)

Test Case: TC301_2: Get push notification by the user

User Story: As a user, I want to receive severe weather alerts so that I can take necessary precautions.

Test Type: Error Path

Steps and Expected Results:

- **Action:** Enable push notifications for weather alerts
Expected Result: Setting is saved successfully
- **Action:** Disable app notification permissions from device settings
Expected Result: App no longer has permission to send push notifications
- **Action:** Trigger a severe weather alert
Expected Result: User does not receive the push notification

Notes:

Validates graceful handling of blocked notifications with a fallback or log entry.

TEST SUITE: TC202_1: OPEN SYSTEM DASHBOARD (ID:56)

Test Case: TC202_1: Open system dashboard by admin.

User Story: As an admin, I want to track system performance and server status so that I can ensure smooth app functionality.

Test Type: Happy Path

Steps and Expected Results:

- **Action:** Navigate to the login page
Expected Result: Login page is displayed
- **Action:** Enter valid admin username and password
Expected Result: Credentials are accepted with no errors
- **Action:** Click the "Login" button
Expected Result: Admin is redirected to the system dashboard

Notes:

Ensure the test user has admin privileges. This test confirms successful access to the dashboard under normal conditions.

Test Case: TC301_3: No alert when clear weather

User Story: As a user, I want to receive severe weather alerts so that I can take necessary precautions.

Test Type: Error Path

Steps and Expected Results:

- **Action:** Enable severe weather alerts in user settings
Expected Result: Setting is saved successfully
- **Action:** Simulate or confirm clear weather conditions
Expected Result: No alert is triggered by the system
- **Action:** Monitor user's device for notifications
Expected Result: No alert or notification is received

TEST SUITE: TC102_3: Verify last updated time shown (ID:54)

Test Case: TC102_3: Verifies the last updated time shown

User Story: As a user, I want to see real-time weather updates so that I always have the latest weather information.

Test Type: Happy Path

Steps and Expected Results:

- **Action:** Open the weather application/dashboard
Expected Result: Weather data is displayed along with the "Last Updated" timestamp
- **Action:** Wait for a scheduled weather data refresh
Expected Result: "Last Updated" time updates to reflect the most recent fetch
- **Action:** Compare displayed time with system/server time
Expected Result: Timestamp accurately reflects the latest data update

TEST SUITE: TC102_2- Validate displayed weather data (ID:54)

Test Case: TC102_2- Validate displayed weather data

User Story: As a user, I want to see real-time weather updates so that I always have the latest weather information.

Test Type: Error Path

Steps and Expected Results:

- **Action:** Disconnect the device from the internet
Expected Result: App fails to fetch latest weather data
- **Action:** Open the weather application/dashboard
Expected Result: An error message like “Unable to retrieve data” is shown
- **Action:** Check displayed weather information
Expected Result: Outdated data is shown with a warning or timestamp indicating it's not current

TEST SUITE: TC201– DELETE A USER (ID: 55)

Test Case: TC201 – Deleting a user

User Story: As an admin, I want to manage registered users so that I can monitor app usage and ensure compliance with policies.

Test Type: Happy Path

Steps and Expected Results:

- **Action:** Log in with valid admin credentials
Expected Result: Admin is redirected to the admin dashboard
- **Action:** Navigate to the "User Management" section
Expected Result: List of registered users is displayed
- **Action:** Select a user and click the "Delete" button
Expected Result: Confirmation prompt appears
- **Action:** Confirm the deletion
Expected Result: User is removed from the system and a success message is displayed

TEST SUITE: TC201_3 - INVALID USER DELETE ATTEMPT (ID:55)

Test Case:TC201_3 - invalid user delete attempt

User Story: As an admin, I want to manage registered users so that I can monitor app usage and ensure compliance with policies.

Test Type: Error Path

Steps and Expected Results:

- **Action:** Log in with valid admin credentials
Expected Result: Admin is redirected to the admin dashboard
- **Action:** Navigate to the "User Management" section
Expected Result: List of registered users is displayed
- **Action:** Attempt to delete a non-existent or already deleted user
Expected Result: Error message is shown (e.g., “User not found” or “Unable to delete user”)

TEST SUITE: TC102_1: CHECK UPDATE REFRESH INTERVAL (ID:54)

Test Case: Check update refresh interval

User Story: As a user, I want to see real-time weather updates so that I always have the latest weather information.

Test Type: Happy Path

Steps and Expected Results:

- **Action:** Open the weather application/dashboard
Expected Result: Weather data is displayed with a visible "Last Updated" timestamp
- **Action:** Wait for the predefined refresh interval (e.g., 10 minutes)
Expected Result: Weather data is refreshed automatically without manual action
- **Action:** Verify that the "Last Updated" timestamp has changed
Expected Result: Timestamp reflects the new update time, confirming automatic refresh

TEST SUITE: TC102_2: Validate displayed weather data (ID:54)

Test Case: Validate displayed weather data

User Story: As a user, I want to see real-time weather updates so that I always have the latest weather information.

Test Type: Error Path

Steps and Expected Results:

- **Action:** Disconnect the device from the internet
Expected Result: Network connection is lost
- **Action:** Open the weather application/dashboard
Expected Result: Weather data fails to update
- **Action:** Observe the displayed weather information
Expected Result: App shows an error message (e.g., "No internet connection") and displays previously cached data with an outdated timestamp

Test Cases

TEST CASE 62*

62 TC101_2: Verify forecast shows temperature and condition

Harini K 0 Comments Add Tag

State: Design Area: weather app
Reason: New Iteration: weather app\sprint 1

Steps

Steps	Action	Expected result
1.	Verify that the 5-day forecast displays the daily temperature correctly for each day.	The forecast should show accurate temperature values for all five days matching the API data.
2.	Verify that the weather condition (e.g., sunny, rainy, cloudy) is shown for each day in the 5-day forecast.	Each day in the forecast displays a correct weather condition icon corresponding to the API data.
3.	Verify that the forecast updates automatically when new data is available from the weather API.	The forecast data refreshes without user intervention, showing the latest temperature and condition.

Click or type here to add a step

Deployment

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

Development

Add link

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

Related Work

Add link

Add an existing work item as a parent

Tests

As a user, I want to view a 5-day weather forecast so th... Updated Sunday New

NEW TEST CASE*

Admin User Management

Harini K 0 Comments Add Tag

State: Design Area: weather app
Reason: New Iteration: weather app\sprint 1

Steps

Steps	Action	Expected result	Attachments
1.	Verify that the admin can access the list of all registered users from the admin dashboard.	The admin should see a complete and up-to-date list of all registered users displayed clearly.	
2.	Verify that the user list shows relevant user details such as username, email, and account status.	The list displays accurate user information for each registered user without missing data.	

Click or type here to add a step

Deployment

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

Development

Add link

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

Related Work

Add link

Add an existing work item as a parent

Status

Priority: 2

TEST CASE 88*

88 Admin User Management

Harini K 0 Comments Add Tag

Save and Close Follow

State: Design Area: weather app Reason: New Iteration: weather app\sprint 1 Updated by Harini K 2m ago

Steps Summary Associated Automation

Steps Deployment Custom

Test Type: Error Path

Steps Action Expected result

- Verify that the admin can access the list of all registered users from the admin dashboard. The admin should see a complete and up-to-date list of all registered users displayed clearly.
- Verify that the user list shows relevant user details such as username, email, and account status. The list displays accurate user information for each registered user without missing data.

Click or type here to add a step

Deployment

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

Development

Add link

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

Related Work

Add link

Add an existing work item as a parent

Status

Priority: 2

TEST CASE 88*

88 Admin User Management

Harini K 0 Comments Add Tag

Save and Close Follow

State: Design Area: weather app Reason: New Iteration: weather app\sprint 1 Updated by Harini K Just now

Steps Summary Associated Automation

Steps Deployment Custom

Test Type: Happy Path

Steps Action Expected result Attachments

- Verify that the admin can access the list of all registered users from the admin dashboard. The admin should see a complete and up-to-date list of all registered users displayed clearly.
- Verify that the user list shows relevant user details such as username, email, and account status. The list displays accurate user information for each registered user without missing data.

Click or type here to add a step

Deployment

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

Development

Add link

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

Related Work

Add link

Add an existing work item as a parent

Status

Priority: 2

Parameter values

TEST CASE 72*

72 TC202_3: High Usage Alert Handling

Harini K 0 Comments Add Tag

Save Follow Steps Summary Associated Automation 2 0

Updated by 231001063: 11h ago

State: Design Area: weather app
Reason: New Iteration: weather app\sprint 1

Steps

Steps	Action	Expected result
1.	Simulate high API request volume exceeding the rate limit.	Show alert message "API rate limit exceeded. Please wait before retrying."
2.	Trigger multiple simultaneous data refresh requests from the app.	Display warning "Too many requests. Updab temporarily paused."

Click or type here to add a step

Deployment

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

Development

Add link

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

Custom

Test Type: Error Scenario

Related Work

Add link

Add an existing work item as a parent

Tests

18 As an admin, I want to track system performance... Updated Sunday New

4. Installation of test

Test and feedback

chrome web store

Discover Extensions Themes

Search extensions and themes

Test & Feedback

Featured 4.2★ (175 ratings) Share

Add to Chrome

Extension Workflow & Planning 200,000 users

Capture & Annotate

CAPTURE

1. Screenshots
2. Notes
3. Screen recordings
4. Image action log
5. Page load data

Overview

Showing it as an extension

The screenshot shows the Azure DevOps Test Plans interface for a project named "weather app". The left sidebar is visible with options like Overview, Boards, Repos, Pipelines, Test Plans, Test plans, Progress report, Parameters, Configurations, Runs, Artifacts, and Project settings. The "Test Plans" section is currently selected. In the center, a test plan titled "Weather App Test Plan" is displayed, showing a test suite named "33 : As a user, I want to receive severe weather alerts so that I can...". This suite contains three test points: "TC301_1: Receive alert for storm" (Failed, 1, 73), "TC301_2: Get push notification" (Passed, 2, 74), and "TC301_3: No alert when clear weather" (Passed, 3, 75). A modal window titled "Extensions" is open on the right, showing a list of extensions with "Full access" and their descriptions. The "McAfee WebAdvisor" extension is listed with a status of "Failed". Other extensions shown are "Test & Feedback" and "Manage extensions".

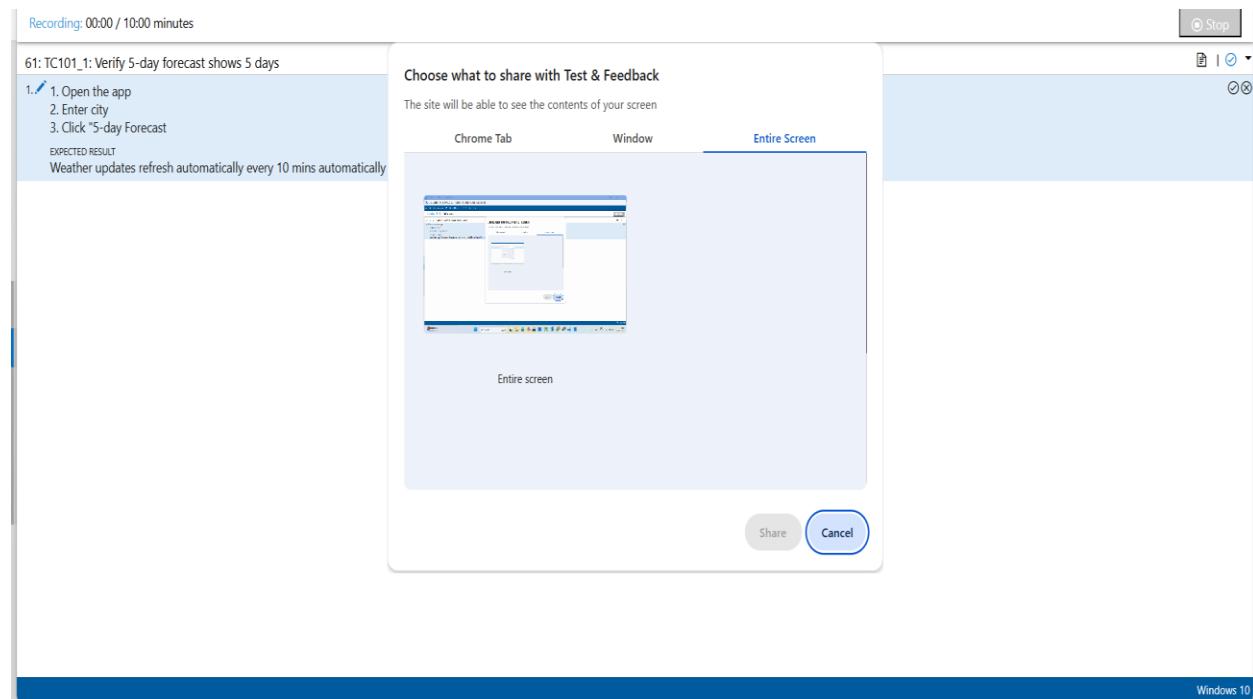
5. Running the test cases

The screenshot shows the Azure DevOps Test Plans interface for a project named "weather app". The left sidebar is visible with options like Overview, Boards, Repos, Pipelines, Test Plans, Test plans, Progress report, Parameters, Configurations, Runs, Artifacts, and Project settings. The "Test Plans" section is selected. A sub-menu for "Weather App Test Plan" is open, showing a summary: "May 19 - Jun 1", "100% run, 66% passed", and a "View report" link. The main area displays a test plan titled "3 : As a user, I want to view a 5-day weather forecast so that I can plan my activities in advance. (ID: 53)". Below it, there are tabs for "Define", "Execute" (which is selected), and "Chart". Under "Test Points (3 items)", there is a table:

Title	Outcome	Order	Test Case Id
TC101_1: Verify 5-day forecast shows 5 days	Passed	1	61
TC101_2: Verify forecast shows temperature and condition	Passed	2	62
TC101_3: Handle forecast API failure	Failed	3	63

The screenshot shows a browser window titled "Runner - Test Plans - Google Chrome" with the URL "dev.azure.com/2310010630317/weather/_testExecution/Index". The page displays a test case titled "61: TC101_1: Verify 5-day forecast shows 5 days". The steps listed are: "1. Open the app", "2. Enter city", and "3. Click '5-day Forecast'". Below the steps, under "EXPECTED RESULT", it states: "Weather updates refresh automatically every 10 mins automatically every 10 mins". The browser's address bar also shows the same URL.

6.Recording the test case



7.Creating the bug

The screenshot shows the Azure DevOps Work Items page. A bug item is selected:

85 BUG_NO_01

Harini K

0 Comments Add Tag

State: New Area: weather app

Reason: New Iteration: weather app\sprint 1

Browser - Name: Google Chrome 136
Browser - Language: en-US
Browser - Height: 832
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: x64_64
Operating system - Processor model: 13th Gen Intel(R) Core(TM) i5-1335U
Operating system - Number of processors: 12
Memory - Available: 5513699328
Memory - Capacity: 16849256448
Display - Pixels per inch (X axis): 120
Display - Pixels per inch (Y axis): 120
Display - Device pixel ratio: 1.25

Details | Related Work | System Info

Updated by 231001063: Just now

1 of 66

Project settings Finance headline India reported 0...

2116231001058

CS23432

The screenshot shows the Azure DevOps Work Items page for a project named 'weather app'. A specific bug work item, 'BUG_85* BUG_NO_01', is selected. The details pane shows the following information:

- Title:** BUG_85* BUG_NO_01
- State:** New
- Reason:** New
- Iteration:** weather app/sprint 1
- Repro Steps:** 21/05/2025 02:18 Bug filed on "TC202_3: High usage alert triggered"
- Step no.**: 1. **Result**: Failed
- Title**: 1. Simulate CPU load > 90%
2. Observe alerts
- Expected Result**: Admin sees alert: "High CPU usage"
- Test Configuration:** Windows 10
- Planning** section includes Resolved Reason, Story Points, Priority (2), Severity (3 - Medium), and Activity.
- Deployment** section includes instructions to track releases and deployment status reporting.
- Development** section includes an 'Add link' button and a note about linking to Azure Repos.
- Effort (Hours)**: 0.0

8. Test case results

The screenshot shows the Azure DevOps Test Plans page for the 'weather app' project. A test plan named 'Weather App Test Plan' is selected. The results pane displays the following information:

Test Case Results

TC101_1: Verify 5-day forecast shows 5 days					
Test Case Results					
Outcome	TimeStamp	Configuration	Run by	Tester	Test
Passed	20m ago	Windows 10	231001063	Harini K	Week 1
Failed	21m ago	Windows 10	231001063	Harini K	Week 1
Passed	21m ago	Windows 10	231001063	Harini K	Week 1

Test Suites

- May 19 - Jun 1
100% run, 66% passed. [View report](#)
- Filter suites by name
- Weather App Test Plan
 - 3 : As a user, I want to view a 5-day forecast
 - 4 : As a user, I want to see recent weather
 - 17 : As an admin, I want to...
 - 18 : As an admin, I want to...
 - 33 : As a user, I want to receive...

9. Test report summary

The screenshot shows the Azure DevOps interface for a project named 'weather app'. The left sidebar has 'Work items' selected. The main area displays a work item titled 'BUG_90' with the description '90 BUG_NO_1: Weather Data Does Not Refresh After Auto or Manual Refresh'. The work item details include:

- State:** New
- Area:** weather app
- Reason:** New
- Iteration:** weather app\sprint 1

Repro Steps:

Step No.	Result	Title
1	Passed	Launch the weather application. Verify the home screen is fully rendered, including all UI elements
2	Passed	Wait for the configured auto-refresh interval. Alternatively, manually refresh the page using the refresh icon Confirm that the page reloads without errors.
3	Failed	Check the weather data after refresh. Verify if the data updates correctly with the latest information. If the data remains unchanged, confirm stale data is displayed despite refresh.

Planning:

- Resolved Reason: (empty)
- Story Points: (empty)
- Priority: 2
- Severity: 3 - Medium
- Activity: (empty)

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.

Effort (Hours):

- Original Estimate: (empty)
- Remaining: (empty)
- Completed: (empty)

Related Work:

Add link

Add an existing work item as a parent

System Info:

- Project settings
- Browser & Version: Chrome v123.0.1
- Operating System: Windows 11

- Assigning bug to the developer and changing state

The screenshot shows the Azure DevOps interface for a project named 'weather app'. The left sidebar has 'Work items' selected. The main area displays a work item titled 'BUG_89' with the description '89 BUG_NO_2: Weather Data Not Updating in Real Time'. The work item details include:

- State:** New
- Area:** weather app
- Reason:** New
- Iteration:** weather app\sprint 1

Repro Steps:

Step No.	Result	Title
1	Passed	Launch the weather application. Confirm the app loads without errors Verify the home screen is fully rendered, including all UI elements
2	Failed	Wait for the configured auto-refresh interval Or manually refresh by clicking the refresh icon or using the browser reload. Observe the application during and after refresh.

Planning:

- Resolved Reason: (empty)
- Story Points: (empty)
- Priority: 2
- Severity: 3 - Medium
- Activity: (empty)

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.

Effort (Hours):

- Original Estimate: (empty)

Related Work:

10. Progress report

Azure DevOps 2310010630317 / weather app / Test Plans / Progress report

Search 2

WA weather app +

Overview

Boards

Repos

Pipelines

Test Plans

Test plans

Progress report

Parameters

Configurations

Runs

Artifacts

Project settings

Progress report

Weather App Test Plan Test Suites Outcome Configuration Tester Priority Assigned To X

Summary

1 Test plans 15 Test points

15 (15 / 15) Test points run 100% Run

✓ 66% (10 / 15) Pass rate 10 Passed 5 Failed

Outcome trend

Last 14 Days

Tests

2025-05-07 2025-05-08 2025-05-09 2025-05-10 2025-05-11 2025-05-12 2025-05-13 2025-05-14 2025-05-15 2025-05-16 2025-05-17 2025-05-18 2025-05-19 2025-05-20 2025-05-21

Legend: Not run (light grey), Passed (green), Failed (red)

Progress report

Weather App Test Plan Test Suites Outcome Configuration Tester Priority Assigned To X

Summary

1 Test plans 15 Test points

15 (15 / 15) Test points run 100% Run

✓ 66% (10 / 15) Pass rate 10 Passed 5 Failed

Outcome trend

Last 14 Days

Tests

2025-05-07 2025-05-08 2025-05-09 2025-05-10 2025-05-11 2025-05-12 2025-05-13 2025-05-14 2025-05-15 2025-05-16 2025-05-17 2025-05-18 2025-05-19 2025-05-20 2025-05-21

Legend: Not run (light grey), Passed (green), Failed (red)

11.Changing the test template

The screenshot shows the 'All processes' section of the Azure DevOps settings. On the left, there's a sidebar with 'Organization Settings' and sections for General, Security, Boards, and Process. Under Process, 'Pipelines' is expanded, showing Agent pools, Settings, Deployment pools, Parallel jobs, and OAuth configurations. The main area lists process templates: 'Basic (default)', 'Agile' (which is expanded to show '2310010630317 Agile', 'Scrum', and 'CMMI'). Each template has a description and a 'Team projects' count.

Name	Description	Team projects
Basic (default)	This template is flexible for any process and great for teams getting started with Azure DevOps.	1
Agile	This template is flexible and will work great for most teams using Agile planning methods, including those practicing Scrum.	0
2310010630317 Agile		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 improvement and an auditable record of decisions.	0

12.View the new test case template

The screenshot shows the 'Add a field to Test Case' dialog. It has tabs for 'Definition', 'Options', and 'Layout'. The 'Definition' tab is active, showing a description: 'Add a field to store custom, queryable data about your work items.' There are two options: 'Use an existing field' (radio button is not selected) and 'Create a field' (radio button is selected). For 'Create a field', the 'Name' field contains 'Test Type', 'Type' is set to 'Text (single line)', and 'Description' is 'Optionally provide a description for the field'. At the bottom, there are 'Learn more' and 'Add field' (blue) and 'Cancel' buttons.

Definition	Add a field to store custom, queryable data about your work items.	
Options	<input type="radio"/> Use an existing field	
Layout	Field	Acceptance Criteria
	<input checked="" type="radio"/> Create a field	
	Name	Test Type
	Type	Text (single line)
	Description	Optionally provide a description for the field

The screenshot shows the Azure DevOps Test Case settings page. The left sidebar is titled "Organization Settings" and includes sections for General, Security, Boards, and Process. The "Process" section is currently selected. The main content area shows the "Test Case" settings for the "2310010630317 Agile" process. The "Layout" tab is selected. Under the "Steps" field, there are three sub-fields: "Summary", "Associated Aut...", and "Recent test results". To the right of these fields, there are sections for "Deployment", "Development", "Related Work", and "Status". The "Status" section contains fields for "Priority" (an integer) and "Automation status".

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
Date: 25/04/2025	

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 o Go to *Create a resource* → Search for “Azure Load Testing”. o

Select Azure Load Testing and click Create.

3. Fill in the Configuration Details

o *Subscription*: Choose your Azure subscription

o *Resource Group*: Create new or select an existing one.

o *Name*: Provide a unique name (no special characters).

o *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.

Microsoft Azure Search resources, services, and docs (G+) Copilot 231001058@rajalakshmi...
DEFAULT DIRECTORY C:\231001058...

Home > Azure Load Testing > Create a load testing resource ...

Basics **Encryption** **Tags** **Review + create**

Azure Load Testing is a fully managed load-testing service that makes it easy to generate high-scale load and identify performance bottlenecks. [Learn more](#)

Project details
Select the subscription to manage deployed resources and costs. Use resource groups like folders to organize and manage all your resources.

Subscription * **Azure for Students**
Resource group * **Weather_app** [Create new](#)

Instance details
Name * **WEATHERAPP**
Region * **East Asia**

[Previous](#) [Next](#) [Review + create](#)

Validation passed.

Basics **Encryption** **Tags** **Review + create**

Basics
Subscription: Azure for Students
Resource group: Weather_app
Name: WEATHERAPP
Region: East Asia

Encryption
Encryption type: MMK

[Previous](#) [Next](#) [Create](#)

Microsoft Azure Search resources, services, and docs (G+) Copilot 231001058@rajalakshmi...
DEFAULT DIRECTORY C:\231001058...

Home > Create a resource > Marketplace > Azure Load Testing > Create a load testing resource ...

Microsoft.CloudNativeTesting1747797956985 | Overview

Deployment

Overview

Your deployment is complete

Deployment name : Microsoft.CloudNativeTesting1747797956985
Subscription : Azure for Students
Resource group : Weather_app

Start time : 5/21/2025, 8:56:25 AM
Correlation ID : 665ecbb1-ec3d-4a6a-9c93-d0429dc2bcd1

Deployment details

Next steps

[Go to resource](#)

Give feedback
[Tell us about your experience with deployment](#)

Cost management
Get notified to stay within your budget and prevent unexpected charges on your bill.
[Set up cost alerts >](#)

Microsoft Defender for Cloud
Secure your apps and infrastructure
[Go to Microsoft Defender for Cloud >](#)

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Azure experts are service provider partners who can help manage your assets on Azure and be your first line of support.
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Add or remove favorites by pressing **Ctrl+Shift+F**

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 o *Test Name*: Provide a unique name.

o *Description*: (Optional) Add test purpose.

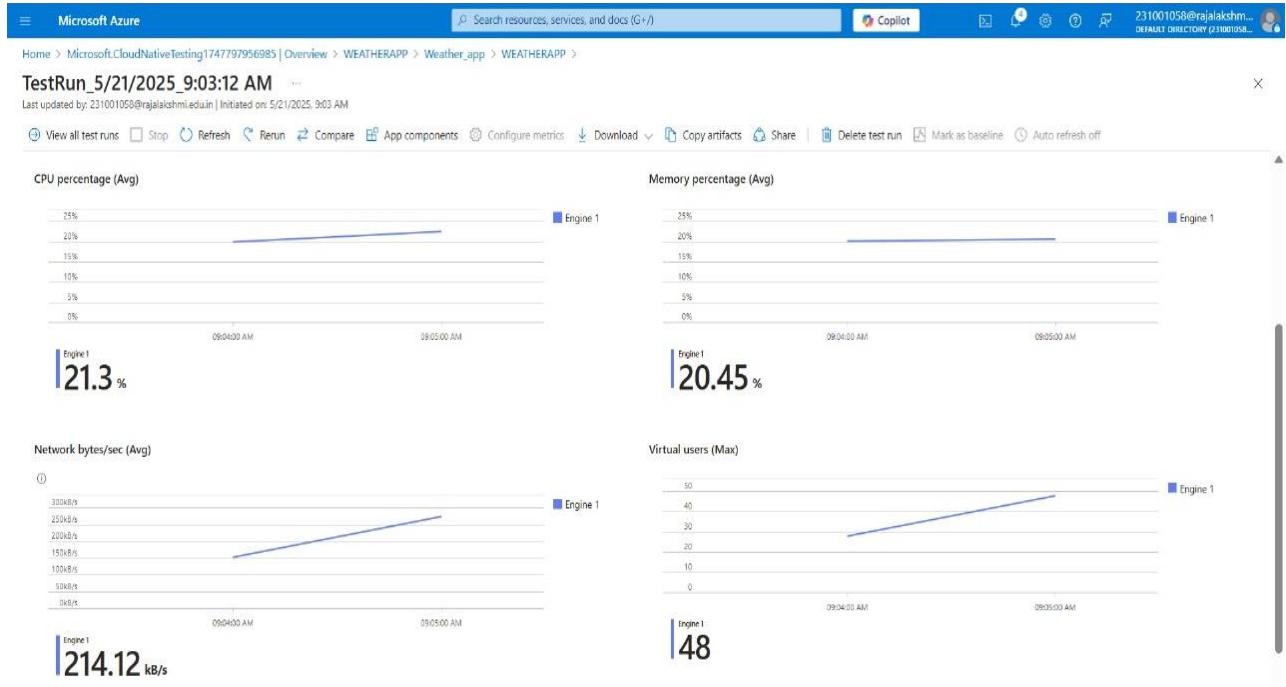
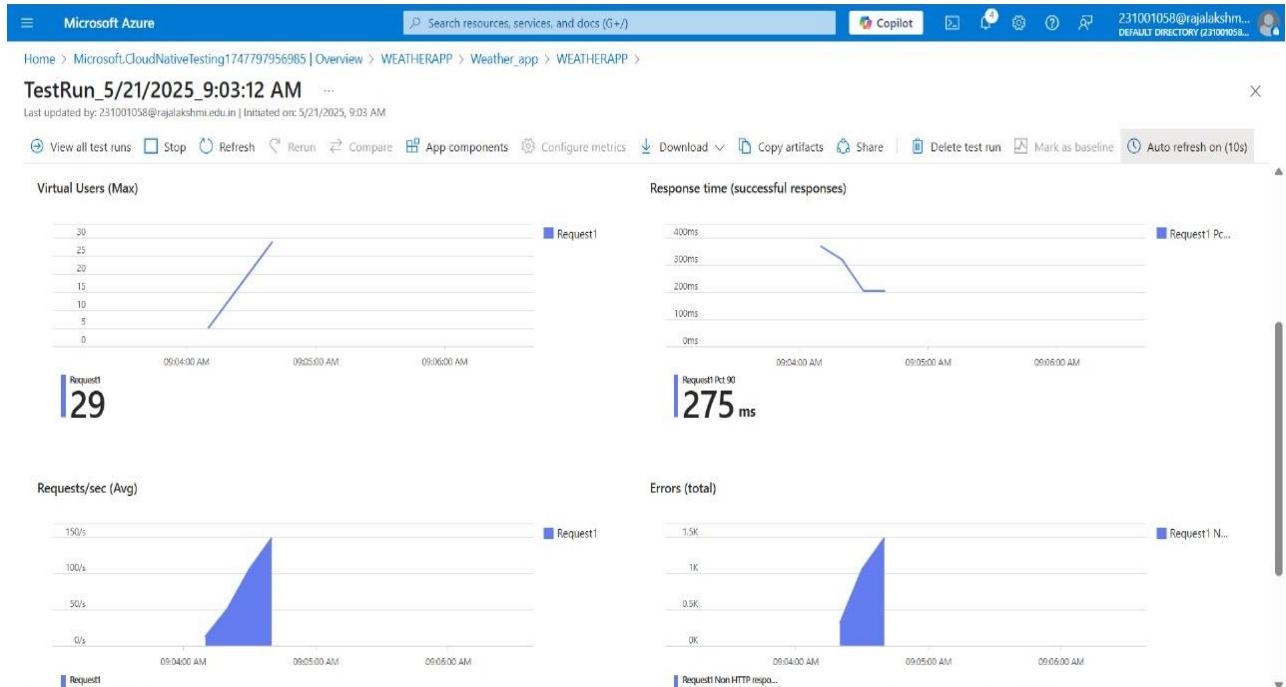
o *Run After Creation*: Keep checked.

3. Load Settings o *Test URL*: Enter the target endpoint (e.g.,

<https://yourapi.com/products>). 4. Click Review + Create → Create to start the test.

The screenshot shows the 'Create a load testing resource' wizard in the Azure portal. The 'Basics' tab is selected. The 'Subscription' dropdown is set to 'Azure for Students'. The 'Resource group' dropdown shows '(New) BankProject' with a 'Create new' link. Under 'Instance details', the 'Name' field is 'MYBANKAPP' and the 'Regions' field is 'East Asia'. A green banner at the top says 'Validation passed.'. At the bottom, there are 'Previous', 'Next', and 'Review + create' buttons, with 'Review + create' being the active button.

Load Testing



Weather App - All In One

Home Dashboard Settings

Home

Current Weather

📍 City: New York
🌡️ Temperature: 25°C

5-Day Forecast

Day	Icon	Temp
Mon	*	26°C
Tue	⚡	28°C
Wed	☁️	21°C
Thu	☀️	24°C
Fri	☔	20°C

Weather App - All In One

Home Dashboard Settings

Dashboard

User Analytics

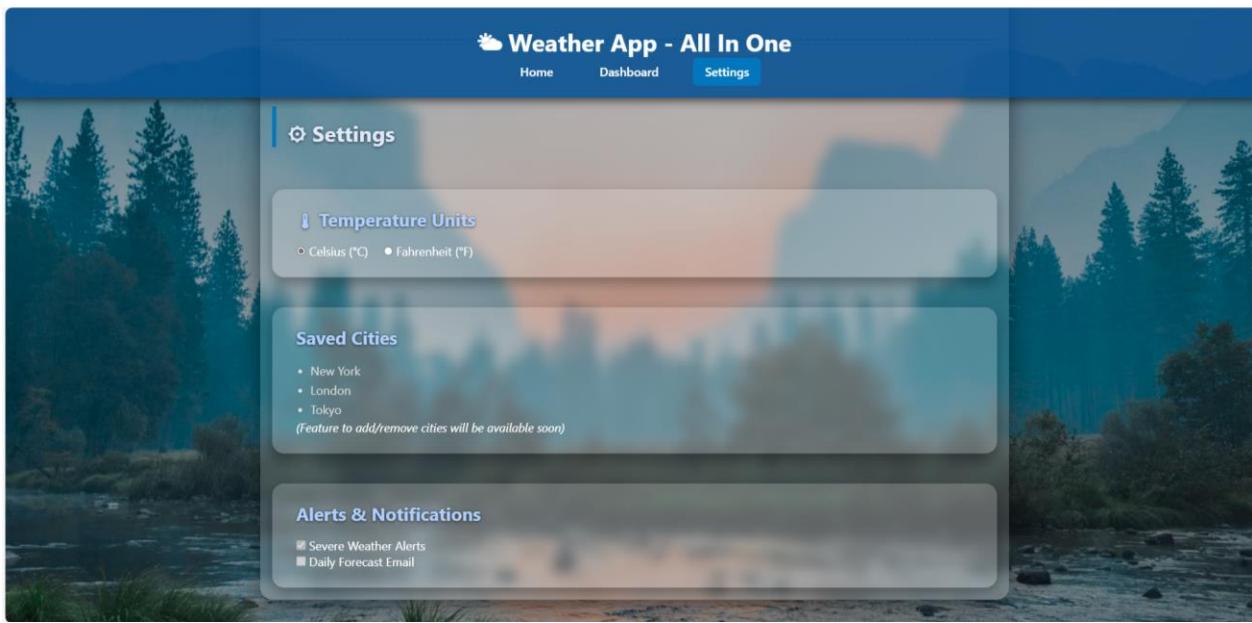
Total Registered Users: 125
Active Today: 38
Suspended Accounts: 3

Server & API Status

Uptime: **99.98%**
Response Time: 184ms
Status: **✓ Operational**

Recent Logs

- [08:31] ✓ API Call Success - Weather Data
- [08:33] ⚠ Minor delay in forecast fetch
- [08:35] ✓ Admin login from IP 192.168.1.24



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
Date: 02/05/2025	

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 Weather App 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.