
▮ Azure DevOps – Theoretical Assignment

▮ Problem Statement:

You are part of a software development team working on a new internal tool named **“TeamPulse”** – a **web-based project management dashboard** that helps organizations track productivity, project milestones, and collaboration efficiency.

Your task is to **structure this project in Azure DevOps**, defining a clear hierarchy of **Epics → Features → User Stories → Tasks**.

This is a **theoretical and planning-focused exercise** – no actual code is required. All items will be created and visualized in the **Azure DevOps Boards**.

▮ Objective:

To demonstrate your understanding of **Agile Project Structuring** and how Azure DevOps supports:

- Work item management
 - Team collaboration
 - Sprint planning
 - Traceability and reporting
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▮ Epic:

TeamPulse – Project Management Dashboard

▮ Features (4 total):

1. **User Authentication & Role Management**
 2. **Dashboard Analytics & KPIs**
 3. **Task & Sprint Management**
 4. **Team Chat & Notifications**
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▮ User Stories Example (for Feature 1):

1. As an Admin, I want to create user accounts so that I can manage access.
 2. As a Manager, I want to assign roles to users for access control.
 3. As a User, I want to log in using my credentials to view assigned tasks.
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▮ Tasks Example (for one story):

1. Define user roles and permissions.
 2. Design the login and registration form.
 3. Create theoretical data flow diagrams.
 4. Document password reset logic.
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▮ Submission Requirements:

Each participant must:

1. Create the **Epic, Features, User Stories, and Tasks** in Azure DevOps.

2. Capture screenshots for:

- Epic overview page
- Features under the Epic
- User stories and tasks
- Board or backlog view showing hierarchy

3. Write a short explanation (4-5 lines) on:

- How Azure DevOps supports Agile methodology
- Benefits of breaking large projects into smaller work items

▮ Additional Sections (recommended):

1▮ Iteration/Sprint Planning

- Create **one iteration (Sprint 1)** in Azure DevOps.
- Assign a few **user stories** or **tasks** to this sprint.
- Take a screenshot of the sprint view. *(This shows understanding of how planning is done in real-world projects.)*

2▮ Tags and Priorities

- Add **tags** (like "Frontend", "Backend", "Database") to user stories.
- Assign **priority levels** (P1 - High, P2 - Medium, P3 - Low). *(This builds awareness of work item categorization.)*

3▮ Acceptance Criteria

For each user story, define short **acceptance criteria** (2-3 bullet points). Example:

- User must receive an error message if login fails.
- Only admins can create new accounts.

4▮ Definition of Done (DoD)

Include a short paragraph explaining what "Done" means for this project. Example:

"A task is marked as Done when it has been documented, peer-reviewed, and ready for integration testing."

5▮ Burndown Chart (Optional - Bonus Section)

- Open the **Analytics** or **Dashboard** tab in Azure DevOps.
 - View the **Burndown chart** for Sprint 1.
 - Take a screenshot (optional for extra credit).
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