

**Title:** *Schedule for QuiZone*

**Team Name:** *QuiZone*

**Project Description:** *QuiZone is a quiz platform that allows users to create, take, and review quizzes with customizable features like question randomization, timers, and instant feedback.*

**Team Members:** *Karine Davtyan, Tejleen Kaur ,  
Shaqayeq Salimy*

**Date:** *November 17<sup>th</sup>, 2024*

### *Sprint 2 Goals:*

- **Objective:** Enhance the platform for teachers and students by implementing automatic grading, deadline management, and pause/resume functionality for quizzes.
- **Participants:** All team members (Karine Davtyan, Shaqayeq Salimy, Tejleen Kaur) contributed fully.

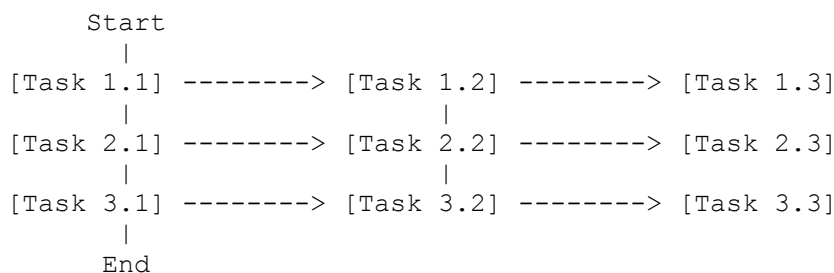
### *Tasks and Dependencies:*

Ticket	Tasks	Assigned To	Dependencies
1	Develop backend logic for grading	Karine Davtyan	None
1	Display grade in history	Karine Davtyan	Depends on Task 1.1 (Backend logic complete)
1	Display graded results	Karine Davtyan	Depends on Task 1.2 (Grade displayed in history)
2	Add deadline fields	Shaqayeq Salimy	None
2	Implement deadline tracking	Shaqayeq Salimy	Depends on Task 2.1 (Deadline fields complete)
2	Prevent late submissions	Shaqayeq Salimy	Depends on Task 2.2 (Tracking and alerts implemented)
3	Implement Pause button	Tejleen Kaur	None
3	Add Resume button	Tejleen Kaur	Depends on Task 3.1 (Pause functionality implemented)
3	Ensure timer behavior	Tejleen Kaur	Depends on Task 3.2 (Resume functionality implemented)

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### *Network Diagram:*

The following diagram illustrates task dependencies and the critical path:



- **Explanation:**
  - Task 1.1, Task 2.1, and Task 3.1 can start concurrently.

- Task 1.3, Task 2.3, and Task 3.3 cannot be completed until all dependent tasks in their respective tickets are finished.
  - Critical path includes **all tasks** since each ticket's tasks are sequential, and all three tickets are essential to the sprint's completion.
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*Critical Path:*

The **critical path** includes:

- **Ticket 1:** Task 1.1 → Task 1.2 → Task 1.3
- **Ticket 2:** Task 2.1 → Task 2.2 → Task 2.3
- **Ticket 3:** Task 3.1 → Task 3.2 → Task 3.3

All tasks are critical because delays in any ticket would delay the sprint.

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Keeping Sprint on Schedule:

- **Strategies to Stay on Track:**
    1. **Daily Check-Ins:** All team members updated their progress daily to address blockers immediately.
    2. **Parallel Execution:** Independent tasks (e.g., Task 1.1, Task 2.1, Task 3.1) were worked on simultaneously.
    3. **Peer Reviews:** Team members reviewed each other's work to ensure quality and resolve issues early.
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If Delayed:

- **Possible Delays:**
    - Backend logic for grading (Task 1.1) taking longer due to complexity.
    - Timer issues during pause/resume (Task 3.3) affecting testing.
  - **What Went Wrong:**
    - Diagram shows that delays in any critical path task (e.g., Task 1.1 or Task 3.3) would cascade into dependent tasks.
  - **Learnings:**
    - Break tasks into smaller subtasks to estimate complexity better.
    - Allocate buffer time for critical tasks.
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