

**Project Title:** QuizWave: A Quiz & Practice Test Platform

**Group number:** 01

**Group members and their responsibilities:**

ID	Name	Responsibilities
2021-3-60-024	Rafsun Islam Taskin	Managing timelines, resource allocation, and ensuring deliverables are met.
2021-3-60-021	Tasmiah Rahman Orpa	Developing APIs, designing databases, and implementing scoring logic.
2021-3-60-016	B. M. Shahria Alam	Preparing test plans and test cases, performing manual and automated testing.
2021-3-60-045	Shaila Afroz Anika	Implementing UI/UX designs and integrating frontend with backend APIs.
2022-1-60-041	Md. Mahir Faysal	Creating wireframes, prototypes, and optimizing user journeys.

**Target technology:**

**List of primary Users or Actors:**

**Project features:**

**1. Primary features:**

**Question & Quiz Management**

- a. MCQ, True/False, and Essay-type questions: description
- b. Customizable quiz builders with tags, topics, and difficulty levels: description

**Test Configuration**

- c. Timed / Non-Timed Modes
- d. Randomized Question Pools
- e. Retake limits and access control.

**2. Exciting features:**

**Assessment and Scoring**

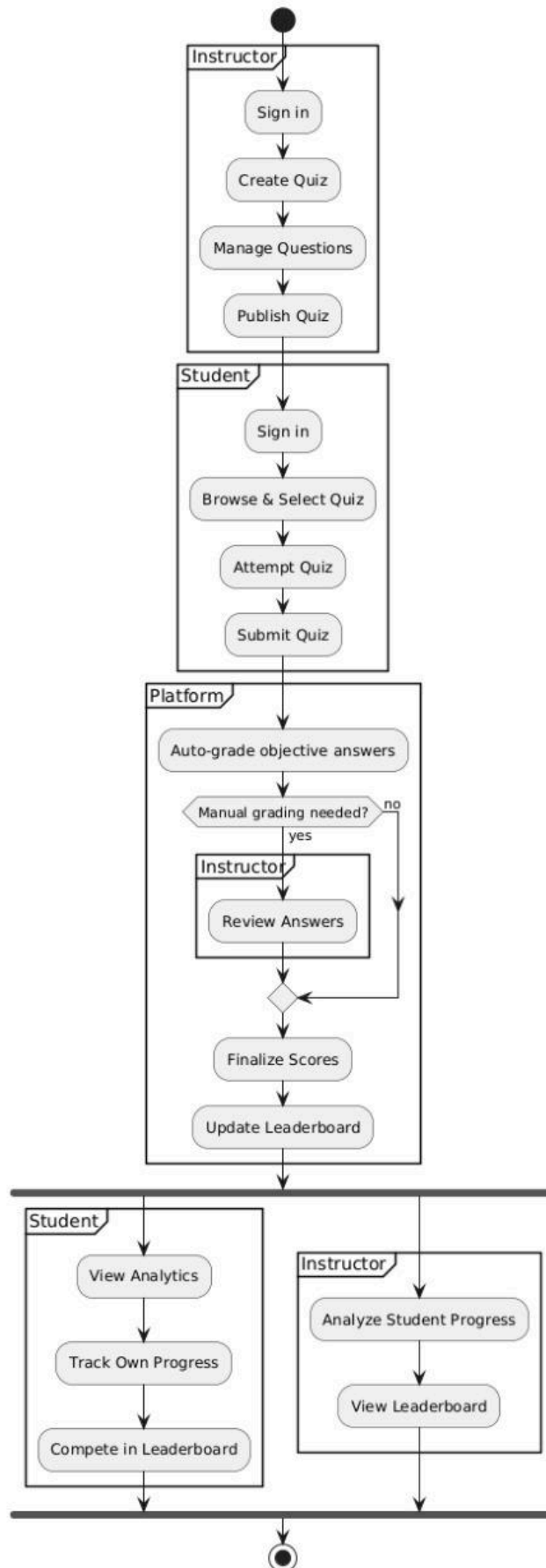
- a. Auto-grading for objective types (MCQ, T/F).
- b. Manual grading for essays.

**Analytics**

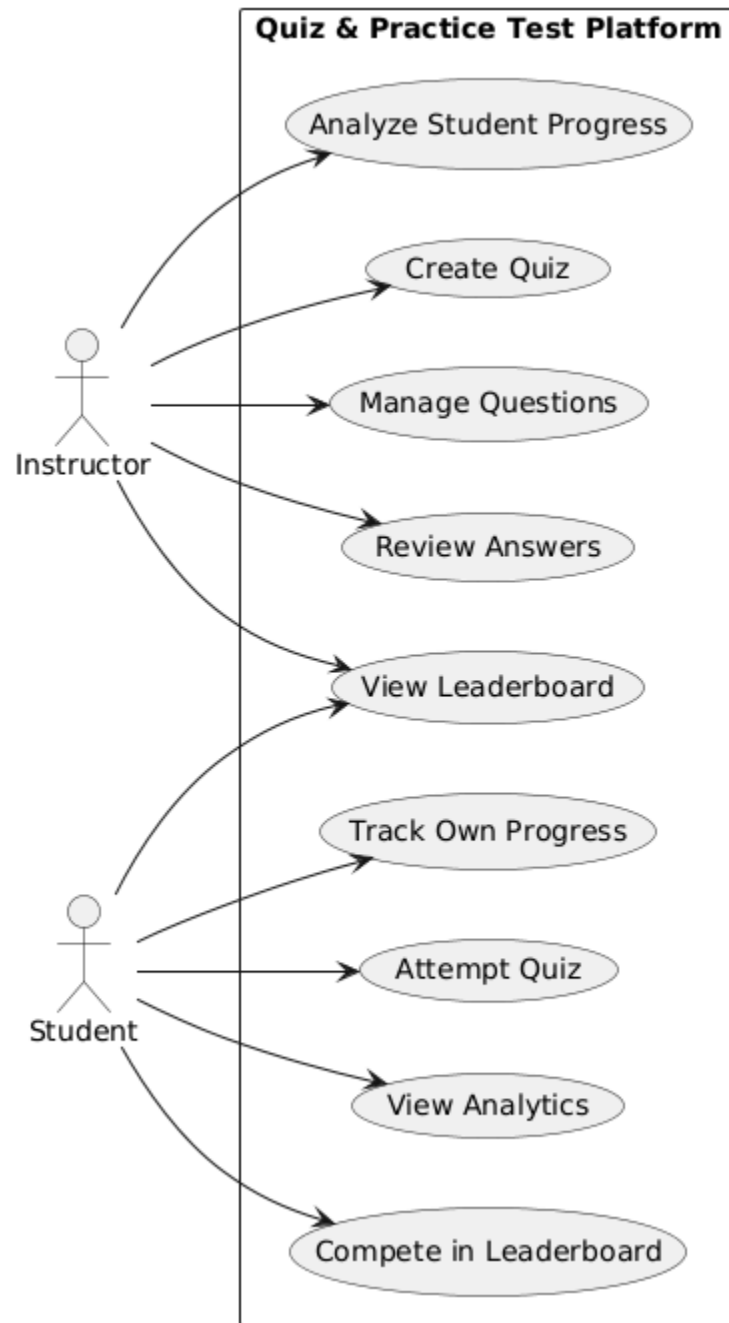
- c. Attempt history
- d. Accuracy rate per topic and question type.
- e. Progress tracking over time.

**Activity diagram:**

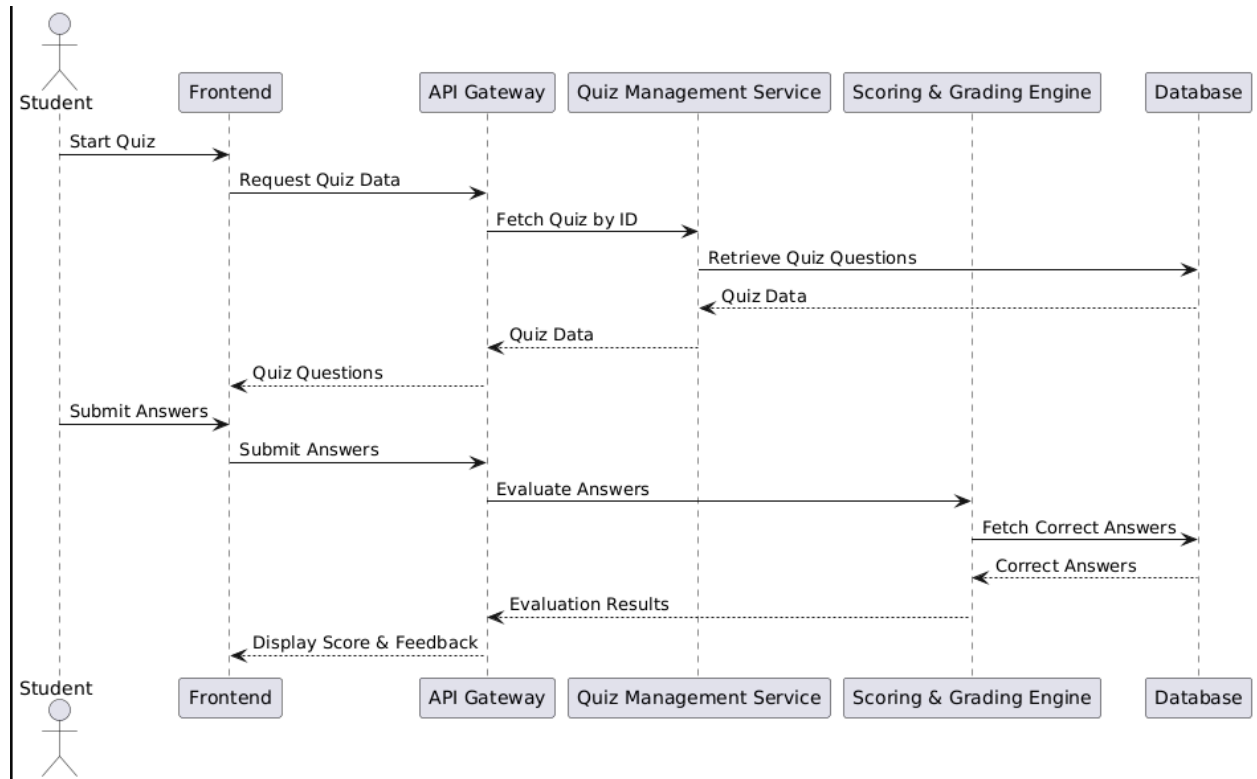
### Quiz & Practice Test Platform — Activity Diagram



### Use case of the System:



### Sequence Diagram:



**Class Diagram:**

