**Quiz System Requirements**

# Functional Requirements

1. **User Authentication:**
   * Users can log in and access the quiz system.
2. **Question Management:**
   * Ability to create, edit, and delete quiz questions.
3. **Quiz Creation:**
   * Professors can create quizzes with multiple-choice or other question types.
4. **Quiz Taking:**
   * Students can take quizzes with a time limit.
   * System should record and display scores.
5. **Feedback:**
   * Students receive immediate feedback on their quiz performance.
6. **Results and Analytics:**
   * Display results and performance analytics for both students and doctors.

# Non-functional Requirements

1. **Performance:**
   * The system handles concurrent quiz sessions efficiently.
2. **Scalability:**
   * The system is scalable to accommodate a growing number of users and quizzes.
3. **Reliability:**
   * The system is available and reliable, minimizing downtime.
4. **Security:**
   * Ensure secure user authentication and protect against unauthorized access.
5. **Usability:**
   * The user interface is intuitive and user-friendly.
6. **Compatibility:**
   * The system is compatible with various devices and browsers.
7. **Response Time:**
   * The system provides quick responses to students interactions during quizzes.
8. **Data Backup:**
   * Regularly backup quiz data to prevent loss of information.