Non-functional requirements

1. Performance

The system should respond to user requests quickly and efficiently, with minimal latency.

2. Scalability

The system should be designed to handle large numbers of users and exercises, and should be easily scalable as the user base grows.

3. Security

The system should be designed with security in mind, with user data protected through encryption and secure login procedures.

4. Usability

The system should be easy to use and navigate, with clear and concise instructions for all features.

5. Reliability

The system should be reliable, with minimal downtime or errors.

6. Compatibility

The system should be compatible with a wide range of web browsers and devices, including desktop and mobile.

7. Maintainability

The system should be designed and built in a way that allows for easy maintenance and updates in the future.

Functional requirements

1. User registration

Users should be able to register and create an account on the system.

2. User authentication

Users should be able to log in and authenticate themselves on the system.

3. Category management

The system should allow administrators to create, update, and delete categories.

4. Exercise management

The system should allow administrators to add, update, and delete exercises within categories.

5. Commenting

Users should be able to add comments to exercises and categories.

6. Search

Users should be able to search for exercises and categories using keywords.