

Assignment 2

Aim: Write non functional requirements

Performance:

The platform must respond to user interactions within acceptable response times to ensure a smooth user experience.

It should be capable of handling concurrent user interactions without significant performance degradation.

Scalability:

The system should be designed to scale gracefully as the user base and data load increase over time.

Security:

Data transmission must be encrypted using secure protocols (HTTPS).

User authentication and authorization must follow best practices to prevent unauthorized access.

The platform should undergo regular security audits and testing.

Reliability:

The system must be available and reliable, with minimal downtime for maintenance.

Data backups should be performed regularly to prevent data loss.

Usability:

The user interface should be intuitive, with clear navigation and user-friendly features.

Accessibility standards should be followed to ensure inclusivity for users with disabilities.

Compatibility:

The platform should be compatible with various web browsers, ensuring a consistent user experience across different environments.

Maintainability:

Code should be well-documented, and the system architecture should allow for easy updates and modifications.

Regular maintenance tasks should be automated where possible.

Compliance:

The platform must comply with relevant data protection and privacy regulations.

Accessibility standards such as WCAG should be followed.

Data Integrity:

Measures should be in place to ensure the integrity of user data, including proper validation and error handling.

Interoperability:

The system should be designed to integrate with external systems or APIs for future enhancements and collaborations.