Non-Functional Requirements

Non-Functional Requirements

Performance

- **NFR-001:** The website must handle up to 1,000 concurrent users without performance degradation.

- **NFR-002:** Pages should load within 2 seconds for 90% of users under normal traffic conditions.

Usability

- **NFR-003:** The website should have a responsive design, accessible and functional on desktops, tablets, and smartphones.

- **NFR-004:** All features must comply with basic usability standards (e.g., clear navigation, intuitive design).

Scalability

- **NFR-005:** The system must support a 50% increase in user base annually without requiring a complete redesign.

Reliability

- **NFR-006:** The website must ensure 99.5% uptime, with no single downtime exceeding 1 hour.

Accessibility

- **NFR-007:** The website must comply with WCAG 2.1 Level AA standards to ensure accessibility for users with disabilities.

Maintainability

- **NFR-008:** The codebase must be modular to allow new features to be added with minimal disruption to existing functionality.

- **NFR-009:** All system logs must be accessible to the admin panel for debugging and maintenance purposes.