**3. Specific Requirements**

**3.2 Non-Functional Requirements**

* **NFR-1:** The system should process AI-generated lesson creation requests within 1 minute for standard-length documents (20 pages).
* **NFR-2:** The system should support at least 10000 concurrent users without noticeable performance degradation.
* **NFR-3:** The web and cloud storage platforms must be accessible 99.5% of the time, not including time for scheduled maintenance.
* **NFR-4:** Ingbo!
* **NFR-5:** User authentication must enforce strong password policies (minimum 8 characters, one uppercase letter, one number, and one special character).
* **NFR-6:** The system interface should be fully responsive and accessible on desktop, tablet, and mobile devices.
* **NFR-7:** The average page load time should not exceed 3 seconds under normal network conditions.
* **NFR-8:** The system should provide full data recovery within 24 hours of any critical failure.
* **NFR-9:** The system architecture should allow feature updates or patches to be deployed without more than 1 hour of downtime.
* **NFR-10:** The system should allow course export and sharing operations to complete within 5 seconds for standard course sizes (50 MB).
* **NFR-11:** The system’s design and documentation should support maintainability, allowing new developers to set up a working environment within 1 day.