Non-functional requirement

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| **NFR No.** | **Non-Functional requirement** | **Comment** |
| **NFR1** | Security | To secure user data, the website should have the necessary security measures in place. These include encryption for sensitive data strong password guidelines and defense against typical online dangers like SQL injection attacks. |
| **NFR2** | Availability | There should be little downtime for maintenance or updates, and the website should always be accessible to users. To maintain the highest level of uptime this can call for redundant server design or cloud-based hosting services. |
| **NFR3** | Performance | The website should be built to offer quick and responsive performance with low page load times and seamless transitions between various site components. To lessen server load, this may call for optimizing pictures and other material, adopting caching strategies and putting a content delivery network (CDN) in place. |
| **NFR4** | Reliability | The website must be dependable, operate as intended and be free of defects that might cause data loss or unplanned downtime. In-depth testing and quality assurance procedures may be necessary in order to find and fix any bugs or problems before they become serious ones. |
| **NFR5** | Accessibility | The website need to be made user-friendly for people with impairments, including those who use screen readers or other assistive devices. To make sure that all users can access the site's content, this can need the use of appropriate HTML elements, alternative text for pictures, and other strategies. |
| **NFR6** | Scalability | The website must be able to accommodate rising use and traffic volumes without noticeably stuttering or performing poorly. To make sure that the website can support a rising user base, this may involve scalable server design, load balancing, and other strategies. |
| **NFR7** | Usability | Users should have little trouble using and navigating the website, and it should have simple, intuitive design components that help them locate what they're searching for right away. To find sections of the site that should be changed for greater usability, it may be necessary to conduct user testing and gather feedback. |
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