**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

|  |  |
| --- | --- |
| Date | 06 May 2023 |
| Team ID | NM2023TMID19401 |
| Project Name | The Meme Museum: A Curated Collection of Hilarity |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form  Registration through Gmail  Registration through Linked IN |
| FR-2 | User Confirmation | Confirmation via Email  Confirmation via OTP |
| FR-3 |  |  |
| FR-4 |  |  |
|  |  |  |
|  |  |  |

**Non-functional Requirements:**

Following are the non-functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | In both online and physical versions, the usability of The Meme Museum should aim to create an enjoyable and immersive experience for users or visitors. |
| NFR-2 | **Security** | Encryption: Employ encryption protocols (such as SSL/TLS) to secure user data transmission over the network and protect sensitive information. |
| NFR-3 | **Reliability** | Robust Hosting: Choose a reliable hosting provider or infrastructure that can handle the expected traffic, ensuring the website or physical space remains accessible and responsive. |
| NFR-4 | **Performance** | Page Load Speed: Optimize the website's loading speed by minimizing file sizes, leveraging caching techniques, and utilizing content delivery networks (CDNs).  Responsive Design: Ensure the website is designed to be responsive and accessible across various devices and screen sizes, providing a seamless browsing experience for users. |
| NFR-5 | **Availability** | Reliable Hosting and Infrastructure:  Choose a reputable hosting provider or infrastructure that guarantees high uptime and reliability.Opt for hosting solutions that offer redundancy, load balancing, and failover mechanisms to minimize downtime. |
| NFR-6 | **Scalability** | Cloud Hosting: Consider utilizing cloud hosting services that offer scalability and on-demand resource allocation, allowing you to adjust server capacity based on traffic fluctuations. |