Project design phase-**||**

**Requirement Analysis (Functional, Operational, Technical) / Flow Charts**

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| NAME | RUBA A |
| NM ID | 2528AD5D5FF8201AD214F41476392A4 |
| PROJECT NAME | How to submit your website’s sitemap to Google Search Console |

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| **S.NO** | **Requirement Type** | **Requirement Description** |
|  | **Functional Requirements** |  |
| 1. | Create a Sitemap | Ensure you have a sitemap for your website. Most websites use XML sitemaps. |
| 2. | Verify Ownership of Your Website | You must verify ownership of your website in Google Search Console. This can be done by adding an HTML file, a DNS record, or a meta tag to your site's HTML code. |
| 3. | Access Google Search Console | Once you've verified ownership, log in to your Google Search Console account. |
| 4. | Select Your Property | If you have multiple websites, select the property (website) for which you want to submit the sitemap. |
| 5. | Submit the Sitemap | Click the "Submit" button. Google will now process your request. |
| 6. | Monitor Sitemap Status | After submission, you can monitor the status of your sitemap in the Sitemaps section. |

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| **S.NO** | **Operational Requirements** |  |
| 1. | System Availability | The system must be available 24/7, or it may specify acceptable downtime during maintenance windows. |
| 2. | Reliability | The system should be reliable and not experience frequent crashes or failures. |
| 3. | Security | Operational requirements often include security measures such as user authentication, data encryption, and access control. |
| 4. | Data Backup and Recovery | The system should have mechanisms for regular data backup and recovery in case of data loss or system failure. |
| 5. | Compliance | The system must adhere to legal and industry-specific regulations, such as GDPR for data privacy. |
| 6. | Load Testing | Operational requirements may include load testing criteria to ensure the system can handle a certain number of concurrent users or transactions. |

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| **S.NO** | **Technical Requirements** |  |
| 1. | Technology Stack | Specify the programming languages, frameworks, and libraries to be used in the development. |
| 2. | Platform and Hosting | Define the hosting environment (e.g., cloud-based, on-premises). |
| 3. | Database | Identify the type of database (SQL, NoSQL). |
| 4. | User Interfaces | Describe the user interface design, including wireframes and mockups. |
| 5. | APIs and Integrations | List any third-party APIs or systems that the project needs to integrate with. |
| 6. | Version Control | Specify the version control system (e.g., Git) and branching strategy |