Project design phase-||

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

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

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.

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.

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