Project Design Phase-II

Solution Requirements (Functional & Non-functional)

Date	26 June 2025
Team ID	LTVIP2025TMID50160
Project Name	Heritage Treasures:An In-Depth Analysis of UNESCO World Heritage Sites in Tableau
Maximum Marks	4 Marks

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-Allows users to register with name,email,password. Registration through Gmail-enables social login using Google OAuth. Registration through LinedIn-provides LinkedIn authentication option.
FR-2	User Confirmation	Confirmation via Email-users receive a confirmation link. Confirmation via OTP-Optional second-factor verification via mobile/email.
FR-3	DashBoard Access	View dashboards by region,country,site type,and year of inscription. Interactive charts,maps,and filters respond to user input in real-time.
FR-4	Data Export&Sharing	Export dashboards or filtered data to Excel or PDF. Share dashboard views via email or public links.

FR-5	Admin Data Management	Admin can upload/update UNESCO datasets via CSV or API. Admin can manage users,roles,and dashboard access controls.
FR-6	Advanced Filtering &Search	Search heritage sites by name,country,or criteria. Apply filters by continent,type(Cultural/Natural),or time range.

Non-functional Requirements:

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

FR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Dashboards and features should be user-friendly and intuitive for all user roles.
NFR-2	**Security**	Ensure secure data handling,user authentication(OAuth),and role-based access.
NFR-3	**Reliability**	System should deliver consistent uptime with accurate data rendering.
NFR-4	**Performance**	Dashboards must load within 3-5 seconds,even under moderate load.
NFR-5	**Availability**	The System should be accessiable 24/7 with>99% uptime.
NFR-6	**Scalability**	The solution should handle growing data volumes and additional users easily.