

**Project Design Phase-II**  
**Solution Requirements (Functional & Non-functional)**

Date	26 June 2025
Team ID	LTVIP2025TMID47828
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	<b>Usability</b>	Dashboards and features should be user-friendly and intuitive for all user roles.
NFR-2	<b>Security</b>	Ensure secure data handling,user authentication(OAuth),and role-based access.
NFR-3	<b>Reliability</b>	System should deliver consistent uptime with accurate data rendering.
NFR-4	<b>Performance</b>	Dashboards must load within 3-5 seconds,even under moderate load.
NFR-5	<b>Availability</b>	The System should be accessiable 24/7 with>99% uptime.
NFR-6	<b>Scalability</b>	The solution should handle growing data volumes and additional users easily.