

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

Date	13 October 2022
Team ID	PNT2022TMID03205
Project Name	Project - Global Sales Data Analytics
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	Token generation	Token Generation using UUID.
FR-2	Application Activation	<input type="checkbox"/> Confirmation/Validation of Token. <input type="checkbox"/> Activation of Software.
FR-3	Getting user Input as CSV format	<ul style="list-style-type: none"> <li>• Get Input.</li> <li>• Validate Input.</li> <li>• Clean Input.</li> </ul>
FR-4	Generate Visualization	<ul style="list-style-type: none"> <li>• Convert Input to Processing Format.</li> <li>• Generate Visualization Using Matplotlib.</li> </ul>
FR-5	Add Manual insights	Get Manual Insights from user.
FR-6	Save in DB/Filesystem	Save Necessary data in user filesystem or in mysql database.

**Non-functional Requirements:**

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

FR No.	Non-Functional Requirement	Description
NFR-1	<b>Usability</b>	Needs to be actually functional and beneficial for the user.
NFR-2	<b>Security</b>	UUID token validation for one time.
NFR-3	<b>Reliability</b>	Must have reasonable fault tolerance.
NFR-4	<b>Performance</b>	Must take less System Resource and must be able to generate visualization on all modern hardware.
NFR-5	<b>Availability</b>	24/7 available as it runs on client side only.

NFR-6	<b>Scalability</b>	Automatically scalable as it runs on client's computer.
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