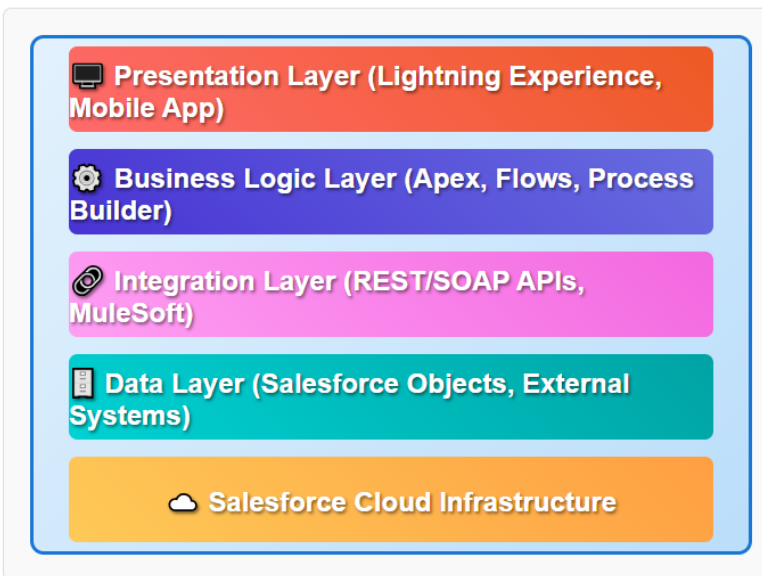


# Requirement Analysis

DATE	29 July 2025
TEAM ID	PNT2025TMID13974
PROJECT NAME	Cosmetic Management System
MAXIMUM MARKS	

## Technology Stack (Architecture & Stack)

### Technical Architecture



#### Guidelines:

- Include all the processes (As an application logic / Technology Block)
- Provide infrastructural demarcation (Local / Cloud)
- Indicate external interfaces (third party API's etc.)
- Indicate Data Storage components / services
- Indicate interface to machine learning models (if applicable)

**Table-1: Components & Technologies:**

S.No	Component	Description	Technology
1.	User Interface	User interfaces with applications e.g Web UI, Mobile App, Chatbot etc	Lightning Experience / Angular Js / React Js etc.
2.	Application Logic-1	Logic for a process in the application	Apex / Python
3.	Application Logic-2	Logic for a process in the application	Salesforce Flow Service
4.	Application Logic-3	Logic for a process in the application	Process Builder / Workflow Rules
5.	Database	Data Type, Configuration, SQL etc	Salesforce Objects, SOQL, etc.
6.	Cloud Database	Database Service on Cloud	Salesforce Platform Database
7.	File Storage	File storage requirements	Salesforce Files / AWS S3 Integration
8.	External API-1	Purpose of External API used in the application	Payment Gateway API, etc.
9.	External API-2	Purpose of External API used in the application	Inventory Management API, etc.
10.	Machine Learning Model	Purpose of Machine Learning Model	Einstein Analytics / Azure ML
11.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration / Cloud Server Configuration:	Salesforce Cloud, Heroku, AWS, etc.

**Table-2: Application Characteristics:**

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	List the open-source frameworks used	Lightning Web Components framework
2.	Security Implementation	List all the security / access controls implemented	Salesforce Shield, Two-Factor Authentication
3.	Scalable Architecture	Justify the scalability of architecture (3 – tier, service oriented etc.)	Multi-tenant Cloud Architecture
4.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Salesforce 99.9% Uptime SLA
5.	Performance	Design consideration for the performance of the application (number of concurrent requests per Cache, use of CDN etc)	Lightning Platform Optimizer