

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

Date	10-06-2025
Team ID	LTVIP2025TMID54541
Project Name	Shopsmart
Maximum Marks	4 Marks

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

**Functional Requirements – Music Streaming App**

FR No.	Functional Requirement (Epic)	Sub Requirement (Story / Sub-Task)
FR-1	User Authentication	Sign up, Login, Password Reset
		OAuth login using Google / GitHub
FR-2	Crime Posting	Posting complaints
FR-3	Job Application & Management	User will log complaints, Agent will Resolve

**Non-functional Requirements:**

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

NFR No.	Non-Functional Requirement	Description
NFR-1	Usability	The platform should offer a clean, intuitive UI for users of all skill levels.
NFR-2	Security	All data transfers must be encrypted. Implement role-based access and token auth.
NFR-	Performance	Pages should load within 2 seconds. Chat and job posting actions should be near-instant.
NFR-	Availability	The system should maintain 99.9% uptime across all services.
NFR-	Scalability	Should support high concurrency and rapid feature scaling through microservices.

The flight booking ER-diagram represents the entities and relationships involved in a flight booking system. It illustrates how users, bookings, flights, passengers, and payments are interconnected. Here is a breakdown of the entities and their relationships:

**USER:** Represents the individuals or entities who book flights. A customer can place multiple bookings and make multiple payments.

**BOOKING:** Represents a specific flight booking made by a customer. A booking includes a particular flight details and passenger information. A customer can have multiple bookings.

**FLIGHT:** Represents a flight that is available for booking. Here, the details of flight will be provided and the users can book them as much as the available seats.

**ADMIN:** Admin is responsible for all the backend activities. Admin manages all the bookings, adds new flights, etc.