ProjectDesignPhase-II
SolutionRequirements(Functional&Non-functional)

Date	01-07-2025
TeamID	**LTVIP2025TMID55815**
ProjectName	FlightFinder
Maximum Marks	4 Marks

FunctionalRequirements:

Followingarethefunctionalrequirementsoftheproposedsolution.

FunctionalRequirements–MusicStreamingApp

FRNo.	FunctionalRequirement(Epic)	SubRequirement(Story/Sub-Task)
FR-1	User Authentication	Signup,Login,PasswordReset
		OAuthloginusingGoogle/GitHub
FR-2	**CrimePosting**	Postingcomplaints
FR-3	**JobApplication&Management**	Userwilllogcomplaints,AgentwillResolve

Non-functionalRequirements:

Followingarethenon-functionalrequirementsoftheproposedsolution.

NFR No.	Non-Functional Requirement	Description
NFR-1	**Usability**	Theplatformshouldofferaclean,intuitiveUIforusersofallskill levels.
NFR-2	**Security**	Alldatatransfersmustbeencrypted.Implementrole-basedaccess and token auth.
NFR-	**Performance**	Pagesshouldloadwithin2seconds.Chatandjobpostingactions should be near-instant.
NFR-	**Availability**	Thesystemshouldmaintain99.9%uptimeacrossallservices.
NFR-	**Scalability**	Shouldsupporthighconcurrencyandrapidfeaturescalingthrough 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.