Booking System Table Structure with JPA and MySQL Types

admin_user

Stores credentials and roles for admin panel users.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
name	String	VARCHAR(255)
email	String	VARCHAR(255) UNIQUE
passwordHash	String	VARCHAR(255)
role	Enum	ENUM('admin', 'super_admin')
lastLogin	LocalDateTime	DATETIME

property

Represents bookable properties with names and locations.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
name	String	VARCHAR(255)
location	String	VARCHAR(255)
description	Text	TEXT
status	Enum	ENUM('active', 'inactive')
createdAt	LocalDateTime	DATETIME

room

Defines rooms belonging to properties.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
propertyId	UUID	BINARY(16)
name	String	VARCHAR(255)
description	Text	TEXT
pricePerNight	BigDecimal	DECIMAL(10,2)
capacity	int	INT
isAvailable	boolean	TINYINT(1)
createdAt	LocalDateTime	DATETIME

amenity

Stores available amenities like WiFi, AC, etc.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
name	String	VARCHAR(255)

room_amenity

Joins amenities to rooms (many-to-many).

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
roomId	UUID	BINARY(16)
amenityId	UUID	BINARY(16)

booking

Captures guest bookings, pricing, and status.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
referenceId	String	VARCHAR(100) UNIQUE
propertyId	UUID	BINARY(16)
guestName	String	VARCHAR(255)
guestEmail	String	VARCHAR(255)
guestPhone	String	VARCHAR(20)
status	Enum	ENUM('pending', 'confirmed', 'expired', 'cancelled')
totalPrice	BigDecimal	DECIMAL(10,2)
token	String	VARCHAR(100)
isPaid	boolean	TINYINT(1)
receiptPdfUrl	String	VARCHAR(255)
createdAt	LocalDateTime	DATETIME
confirmedAt	LocalDateTime	DATETIME
expiredAt	LocalDateTime	DATETIME

booking_room

Associates rooms to a booking and records stay duration.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
bookingId	UUID	BINARY(16)
roomId	UUID	BINARY(16)
startDate	LocalDate	DATE
endDate	LocalDate	DATE

temporary_token

Used to generate time-limited view tokens for guest access.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
bookingId	UUID	BINARY(16)
token	String	VARCHAR(100)
expiresAt	LocalDateTime	DATETIME

booking_status_history

Tracks booking status changes for auditing.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
bookingId	UUID	BINARY(16)
fromStatus	String	VARCHAR(50)
toStatus	String	VARCHAR(50)
changedAt	LocalDateTime	DATETIME

addon

Defines optional services that can be added to bookings.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
name	String	VARCHAR(255)
price	BigDecimal	DECIMAL(10,2)

booking_addon

Records which add-ons were selected for a booking.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
bookingId	UUID	BINARY(16)
addonId	UUID	BINARY(16)
quantity	int	INT

payment_proof

Stores uploaded payment receipts for booking validation.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
bookingId	UUID	BINARY(16)
fileUrl	String	VARCHAR(255)
uploadedAt	LocalDateTime	DATETIME

review

Stores guest feedback and star ratings for completed stays.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
bookingId	UUID	BINARY(16)
rating	int	INT
comment	Text	TEXT
createdAt	LocalDateTime	DATETIME

admin_activity_log

Tracks changes and actions performed by admin users.

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
adminId	UUID	BINARY(16)
action	String	VARCHAR(255)
entityType	String	VARCHAR(50)
entityId	UUID	BINARY(16)
createdAt	LocalDateTime	DATETIME

content_page

Stores CMS-managed static pages (help, about, terms).

Field	JPA Type	MySQL Type
id	UUID	BINARY(16) PRIMARY KEY
slug	String	VARCHAR(100)
title	String	VARCHAR(255)
content	Text	TEXT
lastUpdated	LocalDateTime	DATETIME