



Group: 03

Stadium Seat Booking Management System

Meet Sheladiya	: 19BIT076
Renish Jagani	: 19BIT108
Rishit Samariya	: 19BIT109
Rishabh Patel	: 19BIT141
Ujash Thakkar	: 19BIT142
Ananya Khandelwal	: 19BIT144

Project Description

- Stadium is the place where get together to watch the matches of cricket, football, hockey, and many more. But to watch these matches one need to book a seat for that matter. To get a seat in the stadium to watch the matches sometimes it will be a difficult job. Many of you might have experienced it! But what if the seats in the stadium can be booked through online mode. Yes it's possible. The stadium seat booking system will help in booking the tickets of the matches through the online mode. The people can get the tickets through the online mode at ease.
- It is a process in which customers can order, pay for, receive and confirm tickets from anywhere anytime using mobile phones or other mobile phones. Mobile tickets reduce the cost of production and distribution linked to traditional paper-based tickets channels and increase customer usability by providing new and easier ways to purchase tickets.
- Stadium seat booking management system is a smart system and a platform from which any person can book a ticket and details of users are stored into database to track the information and to reduce the complexity.

Features

Sr. No.	Features (Bold Text – Unique Features)	Tables Associated
1.	Each person access to a system through self-identification and authentication.	login
2.	The System has a feature of booking tickets for spectators and displaying, managing data of spectators.	seat_details, seat_booking
3.	The System has inbuilt tracking system function where using GPS sensor to determine seat location.	seat_location
4.	Harmonic Search algorithm and graph colouring algorithm used to allocate seats for each person.	seat_arrangement
5.	Home team details and away team details is stored and managed easily.	home_team, away_team
6.	The system has a feature of providing details of the upcoming matches which will identify the detailed information about fixtures and venue of the match.	fixtures , venue
7.	The software helps food orders to maintain day to day records in system. It is keeping a proper record of the database.	food_and_beverages_order, jersy_order
8.	The system has a features for controlling and managing orders, to store records and its helps manager to control each part of section orders.	food_and_beverages, jersy
9.	Whenever person entered the stadium security guard check the ticket how he can know ticket is authentic or not so in every ticket they are some kind of Unique QR codes are included in tickets.	audience_verification
10.	While ticking booking a person can see name of stadium, address, and capacity of stadium. And all these details should be updated on regular basis according match and a person can see date and time of match While ticking booking.	stadium_details, match_details
11.	The database keeps a track of tickets available, sold and cancelled for a particular match corresponding to a particular stadium, which helps the managing authority to make the arrangements accordingly.	tickets_sold, tickets_available, tickets_cancelled
12.	The database allows the authority to keep an eye on the weather pattern to arrange the next matches accordingly.	weather
13.	The database allows the accounts department to track the incoming revenue through advertisement of a particular match.	advertisement
14.	This system provides multiple payment options with high level security.	payment_method, card_details
15.	This system provides feature of confirming all the details entered by the user.	confirmation
16.	This system provides feature which measures and stores the temperature of the audience while entering the stadium.	audience_temperature

Relational Model for Stadium Seat Booking Management System

