

Java Project Class-Diagram

Seat
- seatNumber: int - isBooked: boolean
+ Seat() + getSeatNumber(): int + getSeatNumber[seatNumber]: int + isBooked(): boolean + bookSeat(): void
SeatAllocator
- availableSeats: List<Seat> + SeatAllocator() + allocateSeat(userPreference): Seat + findAvailableSeats(): List<Seat>
BookingSystem
- SeatAllocator: SeatAllocator + BookingSystem() + bookSeat(user, seat): void + suggestSeats(user): List<Seat>

SeatPreference

- preferredLocations: List<String>

+ SeatPreference()

+ addPreferredLocation(Location: String): void

+ removePreferredLocation(Location: String): void

User

- Username: String

- seatPreference: SeatPreference

+ User (Username: String)

+ getUsername(): String

+ setUsername(username: String): void

+ getSeatPreference(): SeatPreference

+ setSeatPreference(preference: SeatPreference):
void

TOPIC : STADIUM SEAT BOOKING SYSTEM