**Flight Module**

FlightBooking

package com.Springbootpace.SpringBoot.Entity;

import jakarta.persistence.\*;

*@Entity*

*@Table*(name = "flight\_bookings")

public class FlightBooking {

*@Id*

*@GeneratedValue*(strategy = *GenerationType*.***IDENTITY***)

private Long id;

private Long userId;

private String name;

private String airline;

private String fromLocation;

private String toLocation;

private String date;

private int travellers;

private double totalPrice;

public String getDate() { return date; }

public void setDate(String date) { this.date = date; }

// Getters and Setters

public Long getId() { return id; }

public void setId(Long id) { this.id = id; }

public Long getUserId() { return userId; }

public void setUserId(Long userId) { this.userId = userId; }

public String getName() { return name; }

public void setName(String name) { this.name = name; }

public String getAirline() { return airline; }

public void setAirline(String airline) { this.airline = airline; }

public String getFromLocation() { return fromLocation; }

public void setFromLocation(String fromLocation) { this.fromLocation = fromLocation; }

public String getToLocation() { return toLocation; }

public void setToLocation(String toLocation) { this.toLocation = toLocation; }

public int getTravellers() { return travellers; }

public void setTravellers(int travellers) { this.travellers = travellers; }

public double getTotalPrice() { return totalPrice; }

public void setTotalPrice(double totalPrice) { this.totalPrice = totalPrice; }

}

FlightBookingRepository

package com.Springbootpace.SpringBoot.Repositary;

import com.Springbootpace.SpringBoot.Entity.FlightBooking;

import org.springframework.data.jpa.repository.JpaRepository;

import org.springframework.stereotype.Repository;

import java.util.List;

@Repository

public interface FlightBookingRepository extends JpaRepository<FlightBooking, Long> {

List<FlightBooking> findByUserId(Long userId);

}

FlightBookingService

package com.Springbootpace.SpringBoot.Service;

import com.Springbootpace.SpringBoot.Entity.FlightBooking;

import java.util.List;

public interface FlightBookingService {

FlightBooking saveBooking(FlightBooking booking);

List<FlightBooking> getAllBookings();

List<FlightBooking> getBookingsByUserId(Long userId);

void deleteBooking(Long id);

}

FlightBookingServiceImpl

package com.Springbootpace.SpringBoot.Service;

import com.Springbootpace.SpringBoot.Entity.FlightBooking;

import com.Springbootpace.SpringBoot.Repositary.FlightBookingRepository;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.stereotype.Service;

import java.util.List;

@Service

public class FlightBookingServiceImpl implements FlightBookingService {

@Autowired

private FlightBookingRepository flightBookingRepository;

@Override

public FlightBooking saveBooking(FlightBooking booking) {

return flightBookingRepository.save(booking);

}

@Override

public List<FlightBooking> getAllBookings() {

return flightBookingRepository.findAll();

}

@Override

public List<FlightBooking> getBookingsByUserId(Long userId) {

return flightBookingRepository.findByUserId(userId);

}

@Override

public void deleteBooking(Long id) {

flightBookingRepository.deleteById(id);

}

}

FlightBookingControlller

package com.Springbootpace.SpringBoot.Controller;

import com.Springbootpace.SpringBoot.Entity.FlightBooking;

import com.Springbootpace.SpringBoot.Service.FlightBookingService;

import org.springframework.beans.factory.annotation.Autowired;

import org.springframework.http.ResponseEntity;

import org.springframework.web.bind.annotation.\*;

import java.util.List;

@RestController

@RequestMapping("/api/flights")

@CrossOrigin(origins = "\*")

public class FlightBookingController {

@Autowired

private FlightBookingService flightBookingService;

@PostMapping("/book")

public FlightBooking bookFlight(@RequestBody FlightBooking booking) {

return flightBookingService.saveBooking(booking);

}

@GetMapping("/user/{userId}")

public List<FlightBooking> getBookingsByUser(@PathVariable Long userId) {

return flightBookingService.getBookingsByUserId(userId);

}

@GetMapping("/all")

public List<FlightBooking> getAllBookings() {

return flightBookingService.getAllBookings();

}

@DeleteMapping("/{id}")

public ResponseEntity<String> deleteBooking(@PathVariable Long id) {

flightBookingService.deleteBooking(id);

return ResponseEntity.ok("Hotel booking deleted successfully");

}

}