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import mysql.connector
import datetime
mydb = mysql.connector.connect(
    host="localhost",
    user="root",
    password="12345",
    database="air_tickets"
)
mycursor = mydb.cursor()
try:
    mycursor.execute("""
        CREATE TABLE IF NOT EXISTS bookings (
            booking_id VARCHAR(255),
            seat_number VARCHAR(255),
            seat_type VARCHAR(255),
            ticket_price VARCHAR(255),
            food_order VARCHAR(255),
            total_price VARCHAR(255),
            booking_date VARCHAR(255)
        )
    """)
    print("Table created successfully or already exists.")
except mysql.connector.Error as err:
    print(f"Error creating table: {err}")
countries = ['USA', 'Canada', 'UK', 'Australia', 'Japan']
ticket_prices = [500, 350, 400, 600, 700]
GST_RATE = 18
total_seats = 36
window_seats = 8
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regular_seats = total_seats - window_seats
seats_available = [0] * total_seats
food_prices = [75, 50, 60]
def calculate_total_price(price):
    gst = (price * GST_RATE) / 100
    total_price = price + gst
    return total_price, gst
def calculate_food_price(selected_foods):
    total_food_price = sum([food_prices[i] for i in
selected_foods])
    gst_food = (total_food_price * GST_RATE) / 100
    total_food_price_with_gst = total_food_price + gst_food
    return total_food_price_with_gst, gst_food
def book_ticket():
    print("Welcome to Air! Ticket Booking System.\n")
    while True:
        try:
            print("\nAvailable Seats (Total 36 Seats):")
            available = False
            for i in range(total_seats):
                if seats_available[i] == 0:
                    seat_type = "Window Seat" if i < window_seats
else "Regular Seat"
                    print(f"Seat {i + 1} - {seat_type}")
                    available = True
            if not available:
                print("Sorry, all seats are fully booked.")
                break
            user_choice = int(input("\nEnter the seat number you
want to book (1-36) or -1 to exit: "))
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        if user_choice == -1:
            print("Exiting the booking system... Thank you for
using Air!")
            break
        if user_choice < 1 or user_choice > total_seats:
            print("Invalid choice. Please enter a seat number
between 1 and 36.")
            continue
        seat_index = user_choice - 1
        if seats_available[seat_index] == 1:
            print(f"\nSorry, Seat {user_choice} is already
booked!")
            arrange_choice = input("Would you like to choose
another seat? (yes/no): ").lower()
            if arrange_choice == "yes":
                continue
            elif arrange_choice == "no":
                print("Exiting ticket booking...\n")
                break
            else:
                print("Invalid input. Please choose 'yes' or 'no'.")
                continue
        price = ticket_prices[0]
        total_price, gst = calculate_total_price(price)
        print(f"\nBooking details for Seat {user_choice}:")
        print(f"Base Ticket Price: ${price}")
        print(f"GST ({GST_RATE}%): ${gst:.2f}")
        print(f"Total Price: ${total_price:.2f}")
        food_choice = input("\nWould you like to add food to
your booking? (yes/no): ").lower()
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        total_food_price = 0
        gst_food = 0
        if food_choice == "yes":
            print("\nAvailable Food Options:")
            for i, food in enumerate(["Sandwich", "Snack",
"Drink"]):
                print(f"{i + 1}. {food} - ${food_prices[i]}")
            selected_foods = input("\nEnter the numbers of the
food items you want to add (comma separated, e.g. 1,3): ")
            selected_foods = [int(x) - 1 for x in
selected_foods.split(",") if x.isdigit()]
            total_food_price_with_gst, gst_food =
calculate_food_price(selected_foods)
            total_food_price = total_food_price_with_gst
            print(f"\nFood Order Details:")
            for i in selected_foods:
                print(f"{['Sandwich', 'Snack', 'Drink'][i]} - $
{food_prices[i]}")
            print(f"Total Food Price (including GST): $
{total_food_price:.2f}")
        total_price += total_food_price
        total_gst = gst + gst_food
        booking_date = datetime.datetime.now().strftime("%Y-
%m-%d %H:%M:%S")
        print(f"\nFinal Booking Details:")
        print(f"Total Ticket Price: ${total_price:.2f} (Including
GST)")
        print(f"Booking Date: {booking_date}")
        confirmation = input("Do you want to confirm the
booking? (yes/no): ").lower()
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            if confirmation == 'yes':
                booking_id = f"BOOK{user_choice}"
                seats_available[seat_index] = 1
                mycursor.execute("""
                    INSERT INTO bookings (booking_id, seat_number,
seat_type, ticket_price, food_order, total_price, booking_date)
                    VALUES (%s, %s, %s, %s, %s, %s, %s)
                """, (booking_id, user_choice, "Window Seat" if
seat_index < window_seats else "Regular Seat", price,
str(selected_foods), total_price, booking_date))
                mydb.commit()
                print(f"Booking confirmed for Seat {user_choice}.
Total amount charged: ${total_price:.2f}\n")
            elif confirmation == 'no':
                print("Booking cancelled.\n")
            else:
                print("Invalid response, please enter 'yes' or 'no'.")
                continue
        except ValueError:
            print("Invalid input. Please enter a valid number.")
            continue
book_ticket()
```