## Name: Manas Rustagi

## **Assignment 5 (Ticket Booking System)**

## Ticket Booking System file in app package

```
C:\Users\hp\AppData\Local\Programs\Python\Python311\python.exe "E:\HexawareAssignments\Python\Ticket Booking System\app\TicketBookingSystem.py"
Select one options from the options given below:

1. Type create_event to Create a new event.

2. Type book_tickets to book tickets.

3. Type cancel_tickets Cancel Tickets.

4. Type get_available_seats to Know how many seats are Available.

5. Type get_event_details to see every event and it's details.

6. Type exit to Exit from the application.

Enter your choice here:
```

#### 1. Create event

#### Code:

```
def create_event(self):
    event_name = input("Enter event name : ")
    date : input("Enter event Date : ")
    event_date = datetime.datetime.strptime(date, __formae_"%Y-%e-%d").date()
    time = input("Enter event time in formae HH:HM:SS : ")
    event_time = datetime.datetime.strptime(time, __formae_"%H:MM:%S").time()
    venue = input("Enter event ename : ")
    total_seats = init(input("Enter total seats : "))
    available_seats = init(input("Enter available seats : "))
    ticket_price = float(input("Enter ticket price : "))
    event_type = input("Enter event type : "))
    cursor = self_dabtil_getBBconnection()
    query = "insert into venue (venue_name) values (%s)"
    cursor.execute("event_name, event_date, event_time, venue_id, total_seats, available_seats, ticket_price, event_type) values (%s,%s,%s,%s,%s,%s,%s)")
    cursor.execute("estect venue_id from venue where venue_name.event_time, venue_id[0], total_seats, available_seats, ticket_price, event_type, ))
    self_dabtil.con.commit()
    cursor.execute("estectvent, (event_name, event_date, event_time, venue_id[0], total_seats, available_seats, ticket_price, event_type, ))
    self_dabtil.con.commit()
    cursor.execute("estect * from events")
    rows = cursor.fetchall()
    print(rows)
    return rows
```

```
C:\Users\n\AppBata\Loca\\Programs\Python\PythonSil\python.exe "E:\HexamareAssignments\Python\Ticket Booking System\app\TicketBookingSystem.py"
Select one options from the options given below:

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6. Type get_event_destalls to see every event and it's details.

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6. Type set_to Exit from the appLication.

Enter your choice here: create_event
Enter event name: IPL send
Enter event name: IPL send
Enter event name: IPL send
Enter event name: Informat HH:NH:SS: 07:30:00
Enter event time in format HH:NH:SS: 07:30:00
Enter available seats: 1000

Enter available seats: 1000
Enter available seats: 2000.5
Enter event type: Sports
(101, 'Bollysood Might', datetime.date(2024, 2, 15), datetime.timedelta(seconds=68400), 1, 300, 250, Decimal('1300'), 'Concert')
(102, 'Cricket Chempionship', datetime.date(2024, 4, 25), datetime.timedelta(seconds=58400), 2, 200, 100, Decimal('2500'), 'Sports')
(103, 'Goney Show', datetime.date(2024, 4, 25), datetime.timedelta(seconds=58400), 3, 500, 400, Decimal('1300'), 'Concert')
(104, 'Concept', datetime.date(2024, 4, 25), datetime.timedelta(seconds=68400), 4, 200, 100, Localima('1500'), 'Concert')
(105, 'Tech Summit', datetime.date(2024, 6, 5), datetime.timedelta(seconds=7000), 2, 200, 100, Decimal('1500'), 'Concert')
(106, 'Tene Summit', datetime.date(2024, 6, 15), datetime.timedelta(seconds=7000), 3, 500, Becimal('1500'), 'Conference')
(105, 'Stand-up Comedy Night', datetime.date(2024, 8, 20), datetime.timedelta(seconds=7000), 3, 500, Becimal('1200'), 'Conference')
(107, 'Stand-up Comedy Night', datetime.date(2024, 9, 20), datetime.timedelta(seconds=7000), 7, 500, 200, Decimal('1200'), 'Concert')
(109, 'Stand-up Comed
```

```
(107, 'IT Conference', datetime.date(2024, 7, 12), datetime.timedelta(seconds=32400), 3, 600, 550, Decimal('2500'), 'Conference')
(108, 'Stand-up Comedy Night', datetime.date(2024, 8, 20), datetime.timedelta(seconds=75600), 4, 250, 230, Decimal('1200'), 'Concert')
(109, 'Sufi Music Festival', datetime.date(2024, 9, 10), datetime.timedelta(seconds=63000), 5, 350, 300, Decimal('1500'), 'Concert')
(110, 'Football League', datetime.date(2024, 9, 25), datetime.timedelta(seconds=54080), 6, 700, 650, Decimal('1000'), 'Sports')
(111, 'Movie Premiere', datetime.date(2024, 10, 5), datetime.timedelta(seconds=6600), 7, 150, 120, Decimal('1000'), 'Movie')
(112, 'Action Blockbuster', datetime.date(2024, 10, 15), datetime.timedelta(seconds=6600), 8, 180, 150, Decimal('1100'), 'Movie')
(113, 'Romantic Movie Night', datetime.date(2024, 11, 1), datetime.timedelta(seconds=70200), 9, 200, 180, Decimal('1200'), 'Movie')
(114, 'FIFA CUP', datetime.date(2024, 5, 12), datetime.timedelta(seconds=70200), 6, 400, 120, Decimal('15000'), 'Sports')
(119, 'Wedding', datetime.date(2024, 5, 23), datetime.timedelta(seconds=277000), 2, 1000, 900, Decimal('15000'), 'Sports')
(122, 'IPL semi', datetime.date(2024, 5, 23), datetime.timedelta(seconds=277000), 22, 1000, 900, Decimal('2001'), 'Sports')
Event id for this event is 122

Event created successfully you can see the details above.
```

# **Updates in database:**

vent_id	event_name	event_date	event_time	venue_id	total_seats	available_seats		
101	Bollywood Night	2024-02-15	19:00:00	1	300	250	1300	Concert
102	Cricket Championship	2024-03-20	16:30:00	2	1000	800	2500	Sports
103	Tech Summit	2024-04-25	10:00:00	3	500	400	2000	Conference
104	Comedy Show	2024-05-10	20:30:00	4	200	180	1500	Comedy
105	Classical Music Gala	2024-06-05	18:00:00	5	400	350	1800	Concert
106	IPL Final	2024-06-15	19:30:00	2	800	700	3000	Sports
107	IT Conference	2024-07-12	09:00:00	3	600	550	2500	Conference
108	Stand-up Comedy Night	2024-08-20	21:00:00	4	250	230	1200	Comedy
109	Sufi Music Festival	2024-09-10	17:30:00	5	350	300	1500	Concert
110	Football League	2024-09-25	15:00:00	6	700	650	2000	Sports
111	Movie Premiere	2024-10-05	20:00:00	7	150	120	1000	Movie
112	Action Blockbuster	2024-10-15	18:30:00	8	180	150	1100	Movie
113	Romantic Movie Night	2024-11-01	19:30:00	9	200	180	1200	Movie
114	FIFA CUP	2024-05-12	21:00:00	6	400	120	15000	Sports
119	Wedding	2017-12-11	06:03:10	17	1000	1	1500	Marraige
122	IPL semi	2024-05-23	07:30:00	22	1000	900	2001	Sports

## **Book\_tickets**

#### Code:

```
def book_tickets(self, num_tickets):

print("Please enter customer details so we can assure booking: ")

customer_name = input("First please enter your name: ")

customer_name = input("Please enter your name: ")

customer_pame1 = input("Please enter your name: ")

customer_pame1 = input("Please enter your phone number: ")

customer_pame2 = customer_name; customer_name; email, phone_number) values (%s,%s,%s)",

(customer_name; customer_name, customer_phone;))

self.dbUtil.con.commit()

customer_now = customer_id from customer where customer_name=%s", (customer_name,))

customer_now = customer_row()

if customer_row = customer_row(0)

print("Please select one events from the events listed below: ")

cursor.execute("select event_name from events")

events = cursor.fetchall()

for event in events:

print(event[0])

name_of_event = input("Enter your event here: ")

cursor.execute("select event_id, ticket_price from events where event_name = %s", (name_of_event,))

rows = cursor.fetchone()

if rows:

event_id, price = rows

total_cost = price * num_tickets
```

```
today = date.today()
query = "insert into bookings (customer_id, event_id, num_tickets, total_cost, booking_date) values (%s,%s,%s,%s,%s,%s)"
cursor.execute(query, (customer_id, event_id, num_tickets, total_cost, today))
self.dbUtil.con.commit()
cursor.execute("select booking_id from bookings where customer_id = %s", (customer_id,))
booking_id = cursor.fetchone()
if booking_id:
b_id = booking_id[0]
print("Congratulations. Your booking is confirmed. Your booking id is ", b_id)
```

### **Output:**

```
Enter your choice here: book_tickets you want to book: 4

Please enter the number of tickets you want to book: 4

Please enter customer details so we can assure booking:

First please enter your name: Sudhanshu

Please enter your mane: Sudhanshu

Please enter your pone number: 1346781346

Please select one events from the events listed below:

Bollywood Night

Cricket Chempionship

Tech Summit

Comedy Show

Classical Husic Gala

IPL Final

IT Conference

Stand-up Comedy Night

Sufi Nusic Festival

Football League

Movie Premisere

Action Blockbuster

Acomantic Hovie Night

IFL Sum

IFL Sum

Redding

IPL semi

Enter your event here: Bollywood Night

Congretulations. Your booking is confirmed. Your booking id is 5018

Select one options from the options given below:
```

### **Updates in database:**

					booking_date
5001	1001	101	2	2500	2024-01-20
5002	1002	102	5	12500	2024-01-21
5003	1003	103	3	6000	2024-01-22
5004	1004	104	4	6000	2024-01-23
5005	1005	105	2	3600	2024-01-24
5006	1006	106	3	9000	2024-01-25
5007	1007	107	2	5000	2024-01-26
5008	1008	108	2	2400	2024-01-27
5009	1009	109	4	6000	2024-01-28
5011	1001	111	3	3000	2024-02-01
5014	1004	106	4	5200	2024-06-15
5015	1005	106	2	2500	2024-06-15
5016	1015	114	10	150000	2024-02-02
5018	1017	101	4	5200	2024-02-04

```
| rustomer_id | customer_name | email | phone_number |
| 1801 | Priya Sharma | priya.sharma@email.com | 9876543210 |
| 1802 | Rahul Verma | rahul.verma@email.com | 37654321091 |
| 1803 | Pooja Singh | pooja.singh | pooja.singh
```

# Cancel\_bookings

### Code:

```
1 usage

def cancel_booking(self, booking_id):

cursor = self.dbUtil.getDBConnection()

query = "delete from bookings where booking_id = %s"

cursor.execute(query, (booking_id,))

self.dbUtil.con.commit()

print("Your booking is cancelled successfully.")

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```

## **Output:**

```
Select one options from the options given below:

1. Type create_event to Create a new event.

2. Type book_tickets to book tickets.

3. Type cancel_tickets Cancel Tickets.

4. Type get_available_seats to Know how many seats are Available.

5. Type get_event_details to see every event and it's details.

6. Type exit to Exit from the application.

Enter your choice here: cancel_tickets

Please enter your booking id here: 5018

Your booking is cancelled successfully.
```

### **Updates in database:**

### Get\_available\_seats

#### Code:

```
def getAvailableNoOfTickets(self):
    cursor = self.dbUtil.getDBConnection()
    query = "select event_name from events"
    cursor.execute(query)
    event_names = cursor.fetchall()
    print("Please select one events from below : ")
    for event in event_names:
        print(event)
    take_event = input("Please type your event name here correctly : ")
    query = "select available_seats from events where event_name=%s"
    cursor.execute(query, (take_event,))
    seats = cursor.fetchall()
    print(seats)
```

### **Output:**

```
Enter your choice here: get_available_seats

Please select one events from below:

('Bollywood Might',)

('Crcicket Championship',)

('Classical Music Gala',)

('How Final',)

('IT Conference',)

('Stand-up Comedy Night',)

('Suff Music Festival',)

('Football League',)

('Movie Premiere',)

('Action Blockbuster',)

('Romantic Movie Night',)

('FIFA CUP',)

('Wedding',)

('IPL semi',)

Please type your event name here correctly: IPL semi
[('900,)]
```

### **Get\_event\_details**

#### Code:

```
lusage

def getEventDetails(self):
    cursor = self.dbUtil.getDBConnection()
    cursor.execute("select * from events")
    rows = cursor.fetchall()
    for row in rows:
        print(row)
```

### **Output:**

```
C:\Users\hp\AppBata\Local\Programs\Python\Python3il\python.exe "E:\HexawareAssignments\Python\Ticket Booking System\app\TicketBookingSystem.py"
Select one options from the options given below:

1. Type create_event to Create a new event.

2. Type book_tickets to book tickets.

3. Type cancel_tickets Cancel Tickets.

4. Type get_avent_details to see every event and it's details.

6. Type get_event_details to see every event and it's details.

6. Type exit to Exit from the application.
Enter your choice hare: get_event_details

(101, 'Bollywood Night', datetime.date(2024, 2, 15), datetime.timedelta(seconds=6460), 1, 300, 250, Decimal('1300'), 'Concert')

(102, 'Cricket Championship', datetime.date(2024, 3, 20), datetime.timedelta(seconds=57400), 2, 1000, 800, Decimal('2500'), 'Sports')

(103, 'Tech Sumit', datetime.date(2024, 4, 25), datetime.timedelta(seconds=36000), 3, 500, 400, Decimal('2000'), 'Conference')

(104, 'Consedy Show', datetime.date(2024, 5, 10), datetime.timedelta(seconds=73800), 4, 200, 180, Decimal('1500'), 'Conequ')

(105, 'Classical Nusic Salar', datetime.date(2024, 5, 1), datetime.timedelta(seconds=73800), 4, 200, 180, Decimal('1500'), 'Conequ')

(106, 'IPL Finel', datetime.date(2024, 6, 15), datetime.timedelta(seconds=72000), 2, 800, 700, Decimal('13000'), 'Sports')

(107, 'IT Conference', datetime.date(2024, 7, 12), datetime.timedelta(seconds=72400), 3, 600, 550, Decimal('2500'), 'Conference')

(108, 'Staria-up Conedy Night', datetime.date(2024, 9, 20), datetime.timedelta(seconds=72400), 3, 600, 550, Decimal('2500'), 'Conference')

(109, 'Suri Nusic Featival', datetime.date(2024, 9, 25), datetime.timedelta(seconds=72000), 7, 800, 250, Decimal('1500'), 'Conference')

(110, 'Football League', datetime.date(2024, 9, 25), datetime.timedelta(seconds=72000), 7, 150, 120, Decimal('1500'), 'Sports')

(111, 'Novie Premiere', datetime.date(2024, 10, 5), datetime.timedelta(seconds=72000), 7, 150, 120, Decimal('1500'), 'Novie')

(111, 'Football League', datetime.date(2024, 11, 13), datetime.timedelta(s
```

#### **Customers class:**

```
class Customer:
    def __init__(self, customer_name, email, phone):
        self.customer_name = customer_name
        self.email = email
        self.phone = phone

def display_customer_details(self):
        print(f"Customer Name : {self.customer_name}")
        print(f"Email : {self.email}")

print(f"Phone Number : {self.phone}")
```

#### **Events class:**

```
def display_event_details(self):
    print(f"Event name = {self.event_name}")
    print(f"Date of event = {self.event_date}")
    print(f"Time of event = {self.event_time}")
    print(f"Time of event = {self.event_time}")
    print(f"Venue name = {self.venue_name}")
    print(f"Available Seats = {self.available_seats}")
```

### **Movie class:**

```
from bean.Events import Event

class Movie(Event):

def __init__(self, event, genre, actorName, actressName):

self.event = event
self.genre = genre
self.actorName = actorName
self.actressName = actressName

lusage

property
def getname(self):
return self.event.event_name

getname.setter
def setname(self, name):
self.event.event_name = name
```

# **Booking class:**

```
from bean.Events import Event

import random

from datetime import date

def __init___(self, event, customer):
    self.booking_id = random.randint( % 10000, bs 99999)

self.customer = customer

self.susent = event

self.num_tickets = len(customer)

self.num_tickets = len(customer)

self.total_cost = 0

self.booking_date = date.today()

def calculate_booking_cost(self, num_tickets):
    pass

def book_tickets(self, num_tickets):
    super().book_tickets(num_tickets)

def cancel_booking(self, num_tickets)

def cancel_booking(self, num_tickets)

def getAveilableNoOfTickets(self):
    return self.event.available_seats

def getEventDetails(self):
    pass
```

## **Venue class:**