Object Oriented Programming (OOP)

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OOP Final Project Report

Introduction:

Stadium is the place where the people get together to watch the matches of cricket, Football, etc. But to watch to these matches one need to book the seat for that matter. To get a seat in the stadium to watch the matches sometimes it will be a difficult job. Most of you might have experienced it! But what if the seat in the stadium can be booked through the online method. Yes it is possible. The stadium seat booking system will help in booking the seat of the match through the online mode. The people can get the ticket through the online mode at ease

Features:

The feature can be include in the stadium booking system are as follow:

1) Sig-in: The user can be register in the app.

2) Login: The user can be login after the registration in the app

3) Number of seat: The user can check the total seat in the ground.

4) Category: Here we are three category of seat
   • Higher condition
   • Medium condition
   • Lower condition

5) Price: The price is also depending on the conditional of the seat.

Project Overview:

This project many tasks like we have defined as follows:

1. **Login**

Login enables us to put a valid user name and a valid password in order to get the ticket of the stadium.

Output

```
------------
  |SIGN-IN|
------------
Enter your name : taimoor
Enter your Password : 123
```

2. **Sign-up**

If you are new user then you must perform this sign-up step otherwise you are not able to go forward.

```
run.
Press 1 for Sign-up or Press 2 for Sign-in: 1
-----------
|SIGN-UP|
-----------
Enter your name: taimoor
Enter your surname: magsi
Enter your phone number: 03002123502
Enter your password: 123
Enter your age: 20
----------------------
Press 1: Male
press 2: Female
Press 3: Custom
Enter your gender (1/2/3): 1

Would you like to login ?
yes
-----------
  |SIGN-IN|
-----------
Enter your name : taimoor
Enter your Password : 123
```

3. Booking Schedule:

After the login or signup program show the schedule of the matches.

```
Available Booking
-----------------
Match No ||                    Team         ||    Date    ||  Time    ||    Stadium Name
-----------------------------------------------------------------------------------------
Match 1 || Multan Sultan vs Lahore Qalander ||  15-3-2021 ||  3:00 PM || Gadafi Stadium
Match 2 || Karachi King vs Quetta Gladiator ||  15-3-2021 ||  7:00 PM || National Stadium
Match 3 || Multan Sultan vs Karachi King    ||  16-3-2021 ||  3:00 PM || National Stadium
Match 4 || Multan Sultan vs Lahore Qalander ||  16-3-2021 ||  7:00 PM || Gadafi Stadium
Match 5 || Quetta Gladiator vs Multan Sultan||  17-3-2021 ||  3:00 PM || Pindi Stadium
Match 6 || Lahore Qalander vs Karachi King  ||  17-3-2021 ||  3:00 PM || Pindi Stadium
```

4) Number of seat:

After choosing the match then it will ask the "How many seat do you want?"

```
Press 1 for Match 1 and so on:
1
How many seat  do you want?
3
```

4) Category of Seat:

After the asking the number of seat then it asked "which category do you want".

Output

```
-------------------------------
Press A for Highter Seat
Press B for Medium Seat
Press C for Lower Seat
Which category of the seat do you want: B
You choosen the  Medium category
```

5) Total Bill And Seat Number:

In this out put it will show the total bill and seat number of the users

```
-----------|RECEIPT|-----------
-------------------------------
Your total bill is : 7500
You seat number is :
5000
5001
5002
Thank you for tuning in!
BUILD SUCCESSFUL (total time: 1 minute 16 seconds)
```

The Whole output of the Program:

```
Press 1 for Sign-up or Press 2 for Sign-in: 2
------------
 |SIGN-IN|
------------
Enter your name : taimoor
Enter your Password : 123


Available Booking
----------------
Match No ||                    Team            ||    Date    || Time   ||   Stadium Name
----------------------------------------------------------------------------------------
Match 1 || Multan Sultan vs Lahore Qalander ||  15-3-2021 || 3:00 PM || Gadafi Stadium
Match 2 || Karachi King vs Quetta Gladiator ||  15-3-2021 || 7:00 PM || National Stadiu
Match 3 || Multan Sultan vs Karachi King    ||  16-3-2021 || 3:00 PM || National Stadiu
Match 4 || Multan Sultan vs Lahore Qalander ||  16-3-2021 || 7:00 PM || Gadafi Stadium
Match 5 || Quetta Gladiator vs Multan Sultan||  17-3-2021 || 3:00 PM || Pindi Stadium
Match 6 || Lahore Qalander vs Karachi King  ||  17-3-2021 || 3:00 PM || Pindi Stadium


Press 1 for Match 1 and so on:
1
How many seat  do you want?
3
```

```
--------------------------------
Press A for Highter Seat
Press B for Medium Seat
Press C for Lower  Seat
Which category of the seat do you want: A
You choosen the  Highter category



----------|RECEIPT|----------
--------------------------------
Your total bill is : 9000
You seat number is :
1
2
3
Thank you for tuning in!
BUILD SUCCESSFUL (total time: 16 seconds)
```

OOP Final Project Report