Project Report on

**“Ticket Please”**

Submitted to

**JAYSHREE PERIWAL HIGH SCHOOL**

**2-3, Chitrakoot Scheme**

**JAIPUR**

In partial fulfilment of

the requirements for

**All India Senior School**

**Certificate Examination 2021**

of

**Central Board of Secondary Education**

Submitted By: **Pratishtha Pandey**

**Acknowledgement**

We would like to thanks everyone who helped us to accomplish this project.

Our sincere thanks to our *family members* and *respected teachers*, who have helped us with their valuable suggestions and support throughout the development of the project.

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**PRATISHTHA PANDEY**

**CERIFICATE OF ORIGINALITY**

This is to certify that the Project Report titled “Ticket Please” submitted to JAYSHREE PERIWAL HIGH SCHOOL in partial fulfilment of the requirement for all India Senior Certificate Examination (AISSCE) 2021 of CBSE, is an original work carried out by Pratishtha Pandey under my guidance.

The matter embodied in this project is genuine work done by the students and has not been submitted of any course of study.

.....................................................

Signature of The Guide

Date:..........................................

Name : Mr. S. Laxman Rao

(HOD – Computer)

*JAYSHREE PERIWAL HIGH SCHOOL*

Jaipur

**index**

|  |  |  |
| --- | --- | --- |
| SNO. | Topic | Page No. |
| 1. | **Objective & Scope of the Project** |  |
| 2. | **Problem Definition** |  |
| 3. | **Life Cycle of the Project** |  |
| 4. | **Details of Hardware and Software used** |  |
| 5. | **Input Screen Designs** |  |
| 6. | **Source Code of the Project** |  |
| 7. | **Data Dictionary** |  |

**1. Objective & Scope of the Project**

* **Objective**

The main objective of the project is to book a movie ticket online only with a few steps.

This system helps the user to book a seat for a movie.

This application is used by this online platform to help the users book tickets with ease and also keep a record of their customers for future references.

Users can also edit or add details related to any case received at the station.

* **Scope**

This project is developed to provide a quick, easy and hassle free experience for the customers.

Further, it can easily be customized for the use of any other online entertainment platform.

**2. Problem Definition**

The project “**Ticket Please**” shows a simple movie ticket booking program.

The system should be developed to make a quick and hassle free ticket booking experience for the customers.

Movie and screening details must be taken properly and options must be provided.

A proper database should be maintained in the RDMS and the front end to be developed using IDLE (Python 3.8).

The system should be able to handle exceptional situations.

**3. Life Cycle of the Project**

System Development Life Cycle (SDLC)

The System Development Life Cycle (SDLC) is a set of activities that analysts, designers and users carry out to develop and implement an Information System.

The SDLC consists of the following activities.

Feasibility Study

Requirement Definition

Design (Database & Program)

Development of Software

Unit Testing

System Testing

Implementation

Evaluation

Maintenance

**Context Diagram**

BOOKING

BOOK A HOLLYWOOD MOVIE

VIEW TRANSACTION RECEIPT

VIEW CURRENT SCREENING MOVIES

ENTER DETAILS

BOOK A BOLLYWOOD MOVIE

REGISTER NEW CUSTOMER

Customer

CUSTOMER

STATS

**4. Details of Hardware and Software used**

Platform : Windows 10

Tools : IDLE (Python 3.8)

RDBMS : MySQL

**Hardware Specifications**

Microprocessor (CPU) : Dual Core

Memory (RAM) : 4 GB

Virtual Memory : 64-Bit

Hard Disk : 500 GB

VDU : SVGA

Keyboard : Standard 104 Keys

Mouse : Standard 2-Buttons Mouse (Scroll)

Printer : Inkjet/Laser

**Software Specifications**

Operating System : Windows 10

Front-End Design : IDLE (Python 3.8)

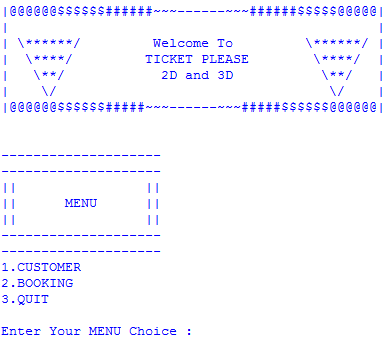
Back-End : MySQL

Documentation : Microsoft Word 2007 and

MS Paint

**5. Input Screen Designs**

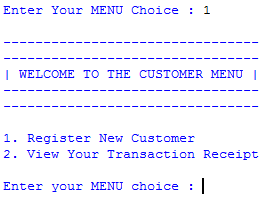
The **First Screen** of the Project is Shown Below:



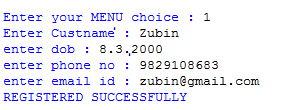
There are 3 menu options available in the main form and any one of them can be selected to proceed further.

First menu **“CUSTOMER”** provides the facility to add a new customer record and view the transaction receipt for a pre- registered customer.

Screenshot of first menu is given below:

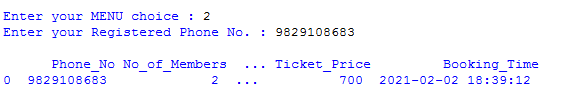


If we select **“CUSTOMER”**🡪**REGISTER** **NEW CUSTOMER,** the following screen is displayed:



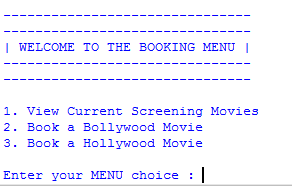
The above screen is used to enter details about a customer.

If we select **“CUSTOMER”**🡪**VIEW YOUR TRANSACTION RECEIPT** the following screen is displayed

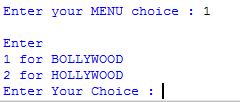


The Second menu **“BOOKING”** provides the facility to book a movie ticket for either Hollywood or Bollywood movie as per the customer’s choice and also check for the current screening movies.

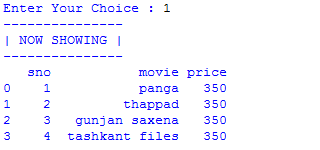
Screenshot of second menu is given below:



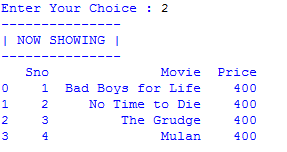
If we select **“BOOKING”**🡪**VIEW CURRENT SCREENING MOVIES,** the following screen is displayed:



On clicking **1 ENTER,** the following screen showing Bollywood movies is displayed:

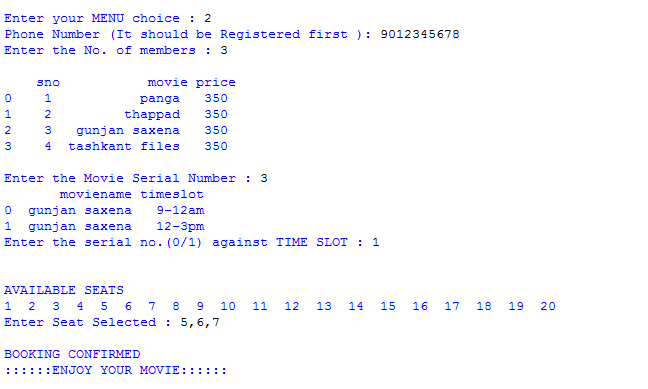


On clicking **2 ENTER,** the following screen showing Hollywood movies is displayed:



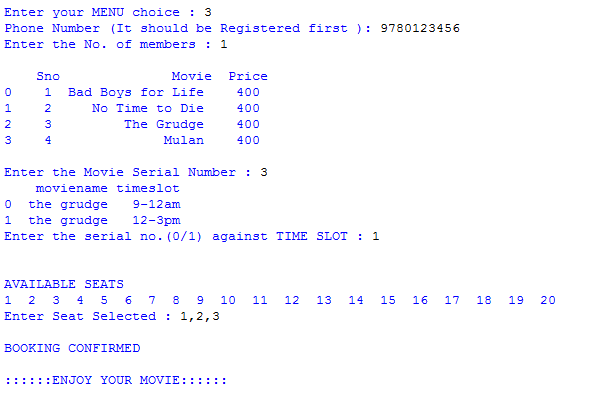
If we select **“BOOKING”**🡪**BOOK A BOLLYWOOD MOVIE,** the following screen is displayed:

The following screen asks you a few details like number of members, movie choice, time slot and seat numbers for each member.



If we select **“BOOKING”**🡪**BOOK A HOLLYWOOD MOVIE,** the following screen is displayed:

The following screen asks you a few details like number of members, movie choice, time slot and seat numbers for each member.



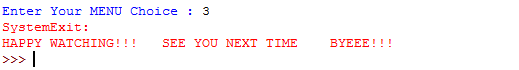
The Third menu **“STATS”** lets the customer see the statistics related to the number of bookings per day over the week with the help of a graph.

Screenshot of third menu is given below:

(\*yet to be done\*)

The Fourth menu, **“QUIT”** lets the customer exit the program with one click.

Screenshot of fourth menu is given below:



**6. Source Code of the Project**

**(1) MODULES USED**

import sys

import pandas as pd

import mysql.connector

import numpy as np

import matplotlib.pyplot as plt

from datetime import datetime

import itertools

now = datetime.now()

id = 1

formatted\_date = now.strftime('%Y-%m-%d %H:%M:%S')

mydb = mysql.connector.connect(user='root', password='12345678',host='localhost',

database='ip')

mycursor=mydb.cursor()

**(2) OPENING SCREEN**

print("|@@@@@@$$$$$$######~~~======~~~#####$$$$$@@@@@@|")

print("| |")

print("| \\*\*\*\*\*\*/ Welcome To \\*\*\*\*\*\*/ |")

print("| \\*\*\*\*/ TICKET PLEASE \\*\*\*\*/ |")

print("| \\*\*/ 2D and 3D \\*\*/ |")

print("| \/ \/ |")

print("|@@@@@@$$$$$$#####~~~======~~~#####$$$$$$@@@@@@|\n\n")

**(3) MENU**

def menu():

print("--------------------")

print("--------------------")

print("|| ||")

print("|| MENU ||")

print("|| ||")

print("--------------------")

print("--------------------")

print("1.CUSTOMER")

print("2.BOOKING")

print("3.STATS")

print("4.QUIT\n")

p=int(input("Enter Your MENU Choice : "))

if p==1:

print("\n--------------------------------")

print("--------------------------------")

print("| WELCOME TO THE CUSTOMER MENU |")

print("--------------------------------")

print("--------------------------------\n")

print("1. Register New Customer")

print("2. View Your Transaction Receipt\n")

y=int(input("Enter your MENU choice : "))

if y==1:

registercust()

elif y==2:

rec()

else:

print("SORRY! WRONG CHOICE")

menu()

elif p==2:

print("\n-------------------------------")

print("-------------------------------")

print("| WELCOME TO THE BOOKING MENU |")

print("-------------------------------")

print("-------------------------------\n")

print("1. View Current Screening Movies")

print("2. Book a Bollywood Movie")

print("3. Book a Hollywood Movie\n")

z=int(input("Enter your MENU choice : "))

if z==1:

scr()

elif z==2:

book()

elif z==3:

bookh()

else:

print("SORRY! WRONG CHOICE")

elif p==4:

sys.exit("\nHAPPY WATCHING!!! SEE YOU NEXT TIME BYEEE!!!")

elif p==3:

print("\n-------------------------------")

print("-------------------------------")

print(" | WELCOME TO THE STATS MENU | ")

print("-------------------------------")

print("-------------------------------\n")

s=int(input("Press 1 to view statistics : "))

if s==1:

stats()

else:

print("SORRY! WRONG CHOICE")

menu()

**(4) CUSTOMER**

def rec():

phn=int(input("Enter your Registered Phone No. : "))

a=pd.read\_sql("select \* from booking where Phone\_No='%s';"%(phn),mydb)

print("\n",a)

menu()

def registercust():

L=[]

custname=input("Enter Custname : ")

L.append(custname)

dob=input("enter dob : ")

L.append(dob)

no=input("enter phone no : ")

L.append(no)

email=input("enter email id : ")

L.append(email)

cust=(L)

sql="insert into info(custname,dob,phoneno,emailid)values(%s,%s,%s,%s)"

mycursor.execute(sql,cust)

mydb.commit()

print("REGISTERED SUCCESSFULLY")

menu()

**(5) BOOKING (BOLLYWOOD)**

def book():

l=[]

ph=input("Phone Number (It should be Registered first ): ")

pho=pd.read\_sql("select phoneno from info where phoneno='%s';"%(ph),mydb)

c=pho.iloc[0]["phoneno"]

if ph==c:

l.append(ph)

no=int(input("Enter the No. of members : "))

l.append(no)

mov=pd.read\_sql("select \* from info2;",mydb)

tot=pd.read\_sql("Select count(\*) from info2;",mydb)

print("\n",mov,"\n")

mn=int(input("Enter the Movie Serial Number : "))

if mn==1:

mo="Panga"

elif mn==2:

mo="Thappad"

elif mn==3:

mo="Gunjan Saxena"

elif mn==4:

mo="The Tashkent Files"

else:

print("Enter valid No.")

l.append(mo)

qw=pd.read\_sql("select \* from time where moviename='%s';"%(mo),mydb)

print(qw)

ts=int(input("Enter the serial no.(0/1) against TIME SLOT : "))

if ts==0:

t="9-12am"

elif ts==1:

t="12-3pm"

else:

print("Enter valid No.")

l.append(t)

print("\n\nAVAILABLE SEATS")

print("1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20")

ss=input("Enter Seat Selected : ")

l.append(ss)

dbs=pd.read\_sql("select price from info2 where sno='%s';"%(mn),mydb)

a=dbs.iloc[0]["price"]

fin=int(a)\*no

l.append(fin)

print("""\*\*\*Available Days\*\*\*

1. Sunday

2. Monday

3. Tuesday

4. Wednesday

5. Thursday

6. Friday

7. Saturday""")

dat=int(input("Enter corresponding number of the day of booking i.e. 1/2/3/4/5/6/7 "))

if dat==1:

dd="Sunday"

elif dat==2:

dd="Monday"

elif dat==3:

dd="Tuesday"

elif dat==4:

dd="Wednesday"

elif dat==5:

dd="Thursday"

elif dat==6:

dd="Friday"

elif dat==7:

dd="Saturday"

l.append(dd)

book=(l)

sql="insert into booking(Phone\_No,No\_of\_Members,Movie\_Name,Time\_Slot,Seats\_Selected,Ticket\_price,Booking\_Date)values(%s,%s,%s,%s,%s,%s,%s)"

mycursor.execute(sql,book)

mydb.commit()

print("\nBOOKING CONFIRMED")

print("::::::ENJOY YOUR MOVIE::::::\n")

menu()

else:

print("Phone No. is not Registered")

rec()

menu()

**(6) BOOKING (HOLLYWOOD)**

def bookh():

l=[]

ph=input("Phone Number (It should be Registered first ): ")

pho=pd.read\_sql("select phoneno from info where phoneno='%s';"%(ph),mydb)

c=pho.iloc[0]["phoneno"]

if ph==c:

l.append(ph)

no=int(input("Enter the No. of members : "))

l.append(no)

mov=pd.read\_sql("select \* from infoh;",mydb)

tot=pd.read\_sql("Select count(\*) from infoh;",mydb)

print("\n",mov,"\n")

mn=int(input("Enter the Movie Serial Number : "))

if mn==1:

mo="Bad Boys for Life"

elif mn==2:

mo="No Time to Die"

elif mn==3:

mo="The Grudge"

elif mn==4:

mo="Mulan"

else:

print("Enter valid No.")

l.append(mo)

qw=pd.read\_sql("select \* from time2 where moviename='%s';"%(mo),mydb)

print(qw)

ts=int(input("Enter the serial no.(0/1) against TIME SLOT : "))

if ts==0:

t="9-12am"

elif ts==1:

t="12-3pm"

else:

print("Enter valid No.")

l.append(t)

print("\n\nAVAILABLE SEATS")

print("1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20")

ss=input("Enter Seat Selected : ")

l.append(ss)

dbs=pd.read\_sql("select Price from infoh where sno='%s';"%(mn),mydb)

a=dbs.iloc[0]["Price"]

fin=int(a)\*no

l.append(fin)

print("""\*\*\*Available Days\*\*\*

1. Sunday

2. Monday

3. Tuesday

4. Wednesday

5. Thursday

6. Friday

7. Saturday""")

dat=int(input("Enter corresponding number of the day of booking i.e. 1/2/3/4/5/6/7"))

if dat==1:

dd="Sunday"

elif dat==2:

dd="Monday"

elif dat==3:

dd="Tuesday"

elif dat==4:

dd="Wednesday"

elif dat==5:

dd="Thursday"

elif dat==6:

dd="Friday"

elif dat==7:

dd="Saturday"

l.append(dd)

book=(l)

sql="insert into booking(Phone\_No,No\_of\_Members,Movie\_Name,Time\_Slot,Seats\_Selected,Ticket\_price,Booking\_Date)values(%s,%s,%s,%s,%s,%s,%s)"

mycursor.execute(sql,book)

mydb.commit()

print("\nBOOKING CONFIRMED\n")

print("::::::ENJOY YOUR MOVIE::::::\n")

menu()

**(7) CURRENT SCREENING**

def scr():

print("\nEnter\n1 for BOLLYWOOD\n2 for HOLLYWOOD")

x=int(input("Enter Your Choice : "))

if x==1:

r=pd.read\_sql("select \* from info2;",mydb)

print("---------------")

print("| NOW SHOWING |")

print("---------------")

print(r)

menu()

elif x==2:

r=pd.read\_sql("select \* from infoh;",mydb)

print("---------------")

print("| NOW SHOWING |")

print("---------------")

print(r)

menu()

else:

print("SORRY! WRONG CHOICE”)

menu()

**(8) STATISTICS (PYPLOT)** (\*some changes pending\*)

#For conversion in 1D array

def oneDArray(x):

return list(itertools.chain(\*x))

def stats():

fin=[0,0,0,0,0,0,0]

x=["Monday","Tuesday","Wednesday","Thursday","Friday","Saturday","Sunday"]

y\_pos=np.arange(len(x))

freq=pd.read\_sql("select count(booking\_date)from booking group by booking\_date;",mydb)

print(freq)

ab=freq.values.tolist() #gives nested list

print(ab)

#For converting to 1D list

fin=oneDArray(ab)

print(fin)

for x in range(0,7):

if fin[x]>0:

fin[x]=fin[x]

else:

fin[x]=0

plt.bar(y\_pos,fin,align='center',color='black')

plt.xticks(y\_pos,freq)

plt.xlabel(x)

plt.title("Booking Frequency")

plt.show()

menu()

**7. Data Dictionary**

Tables used in this project are:

1. **INFO:**

|  |  |  |  |
| --- | --- | --- | --- |
| CUSTNAME | DOB | PHONENO | EMAILID |
| Raghav | 12-02-03 | 0987654321 | rags@gmail.com |
| Isha | 24-05-02 | 1112223334 | isha@gmail.com |
| Yashashawi | 20-4-03 | 1234567890 | yashu@gmail.com |
| Ved | 23-07-01 | 2223334445 | ved@gmail.com |
| Raunak | 20.10.2003 | 9012345678 | raunak@gmail.com |
| Vinay | 5.11.2001 | 9018374651 | vinay@gmail.com |
| Sakshi | 16.10.1997 | 9087654321 | sakshi@gmail.com |
| Anushwar | 14.4.1998 | 9123456780 | anushwar@gmail.com |
| Dikshant | 26.11.1999 | 9234567801 | dikshant@gmail.com |
| Rishikesh | 29.7.2000 | 9243678510 | rishikesh@gmail.com |
| Harshul | 28.1.2003 | 9345678120 | harshul@gmail.com |
| Gautam | 22.11.1999 | 9456781230 | gautam@gmail.com |
| Nishant | 15.2.2002 | 9567812340 | nishant@gmail.com |
| Parth | 10.12.2002 | 9780123456 | parth@gmail.com |
| Pratty | 27-09-02 | 9799544666 | prats@gmail.com |
| Pranjal | 30.5.2001 | 9801234567 | pranjal@gmail.com |
| Zubin | 8.3.2000 | 9829108683 | zubin@gmail.com |
| Aarya | 5.6.2005 | 9876543210 | aarya@gmail.com |

1. **INFOH:**

|  |  |  |
| --- | --- | --- |
| **Sno** | **Movie** | **Price** |
| 1 | Bad Boys for Life | 400 |
| 2 | No Time to Die | 400 |
| 3 | The Grudge | 400 |
| 4 | Mulan | 400 |

1. **INFO2:**

|  |  |  |
| --- | --- | --- |
| **Sno** | **Movie** | **Price** |
| 1 | Panga | 350 |
| 2 | Thappad | 350 |
| 3 | Gunjan Saxena | 350 |
| 4 | Tashkant Files | 350 |

1. **TIME:**

|  |  |
| --- | --- |
| **MOVIENAME** | **TIMESLOT** |
| Panga | 9-12am |
| Panga | 12-3pm |
| Thappad | 9-12am |
| Thappad | 12-3pm |
| Gunjan saxena | 9-12am |
| Gunjan saxena | 12-3pm |
| Tashkant files | 9-12am |
| Tashkant files | 12-3pm |

1. **TIME2:**

|  |  |
| --- | --- |
| **MOVIENAME** | **TIMESLOT** |
| The grudge | 9-12am |
| The grudge | 12-3pm |
| mulan | 9-12am |
| mulan | 12-3pm |
| Bad boys for life | 9-12am |
| Bad boys for life | 12-3pm |
| No time to die | 9-12am |
| No time to die | 12-3pm |