

## MINI PROJECT

TEAM:07

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## RAILWAY RESERVATION SYSTEM

```
import random

import mysql.connector

import PIL

from PIL import ImageTk,Image

mydb=mysql.connector.connect(

    host="localhost",

    user="sharan",

    password="2717",

    database="railway"

)

mycursor=mydb.cursor()

mycursor.execute("select * from TRAIN")

myresult=mycursor.fetchall()

import tkinter as tk

from tkinter import *

def account():

    inp1=username_box.get()

    usurname=inp1

    a1.config(text="YOUR USERNAME: "+inp1)
```

```

inp2=password_box.get()

pword=inp2

a2.config(text="YOUR PASSWORD:  "+inp2)

mycursor.execute("insert into USER(username,passcode) values(%s,%s)",(usrname,pword))

mydb.commit()

reg=Button(text="REGISTER",bg='yellow',fg='black',command=save)

reg.place(x=80,y=320)

def user():

    p1=Label(text="Your Name      :",font=('Calisto MT',10,"bold")).place(x=70,y=260)

    p2=Label(text="Your Age      :",font=('Calisto MT',10,"bold")).place(x=70,y=280)

    p3=Label(text="Your Gender    :",font=('Calisto MT',10,"bold")).place(x=70,y=300)

    p4=Label(text="Choose Your Seat:",font=('Calisto MT',10,"bold")).place(x=70,y=320)

def sw():

    tnam=Label(text="TRAIN NAME   :").place(x=70,y=140)

    no=Label(text="TRAIN NUMBER  :").place(x=70,y=160)

    arr=Label(text="ARRIVAL TIME  :").place(x=70,y=180)

    dep=Label(text="DEPARTURE TIME").place(x=70,y=200)

    sou=Label(text="SOURCE").place(x=70,y=220)

    des=Label(text="DESTINATION").place(x=70,y=240)

def save():

    def us():

        name=tk.StringVar()

        age=tk.StringVar()

        Gender=tk.StringVar()

        seat=tk.StringVar()

```

```

e1=Entry(textvariable=name,width='40').place(x=200,y=260)

e2=Entry(textvariable=age,width='40').place(x=200,y=280)

e3=Entry(textvariable=Gender,width='40').place(x=200,y=300)

e4=Entry(textvariable=seat,width='40').place(x=200,y=320)

def pr():

    s2.destroy

    s3=tk.Tk()

    s3.geometry("1000x1000")

    s3.title("online booking")

    yn=name.get()

    ya=age.get()

    yg=Gender.get()

    ys=seat.get()

    l7=Label(s3,text="INDIAN   RAILWAYS"+yn).place(x=180,y=40)

    l9=Label(s3,text="****YOUR TICKET IS BOOKED SUCCESSFULLY****"+yn).place(x=70,y=70)

    l1=Label(s3,text="PASSENGER NAME      :"+yn).place(x=100,y=100)

    l2=Label(s3,text="AGE                                :"+ya).place(x=100,y=125)

    l3=Label(s3,text="GENDER                                :"+yg).place(x=100,y=150)

    l4=Label(s3,text="SEAT                                :"+ys).place(x=100,y=175)

    c=random.randint(1000000000,9999999999999)

    d=str(c)

    l5=Label(s3,text="PNR NO                        :"+d).place(x=100,y=200)

    A8=Button(s3,text="DOWNLOAD AS PDF",bg='red',fg='black').place(x=110,y=230)

    tic=Button(text="BOOK TICKETS",bg='red',fg='black',command=pr).place(x=100,y=360)

def f1():

```

```
tna=Label(text="Shatabdi express").place(x=200,y=140)
```

```
tno=Label(text="3087").place(x=200,y=160)
```

```
at=Label(text="2021-10-05 12:30:00").place(x=200,y=180)
```

```
dt=Label(text="2021-10-05 17:00:00").place(x=200,y=200)
```

```
so=Label(text="Chennai").place(x=200,y=220)
```

```
des=Label(text="Bangalore").place(x=200,y=240)
```

```
sw()
```

```
user()
```

```
us()
```

```
def f2():
```

```
tna=Label(text="Delhi express").place(x=200,y=140)
```

```
tno=Label(text="4110").place(x=200,y=160)
```

```
at=Label(text="2021-10-05 01:30:00").place(x=200,y=180)
```

```
dt=Label(text="2021-10-05 05:00:00").place(x=200,y=200)
```

```
so=Label(text="Delhi").place(x=200,y=220)
```

```
des=Label(text="Kolkatta").place(x=200,y=240)
```

```
sw()
```

```
user()
```

```
us()
```

```
def f3():
```

```
tna=Label(text="Gatimaan express").place(x=200,y=140)
```

```
tno=Label(text="8921").place(x=200,y=160)
```

```
at=Label(text="2021-10-05 02:30:00").place(x=200,y=180)
```

```
dt=Label(text="2021-10-05 06:00:00").place(x=200,y=200)
```

```
so=Label(text="Delhi").place(x=200,y=220)
```

```

des=Label(text="Agra      ").place(x=200,y=240)

sw()

user()

us()

def f4():

    tna=Label(text="Bhopal Shatabdi      ").place(x=200,y=140)

    tno=Label(text="8921").place(x=200,y=160)

    at=Label(text="2021-10-05 02:30:00").place(x=200,y=180)

    dt=Label(text="2021-10-05 06:00:00").place(x=200,y=200)

    so=Label(text="Mumbai      ").place(x=200,y=220)

    des=Label(text="Gujarat      ").place(x=200,y=240)

    sw()

    user()

    us()

def f5():

    tna=Label(text="Sealdah Durgam      ").place(x=200,y=140)

    tno=Label(text="1591").place(x=200,y=160)

    at=Label(text="2021-10-27 08:30:00").place(x=200,y=180)

    dt=Label(text="2021-10-27 10:50:00").place(x=200,y=200)

    so=Label(text="Delhi      ").place(x=200,y=220)

    des=Label(text="Bhopal      ").place(x=200,y=240)

    sw()

    user()

    us()

def f6():

```

```

tna=Label(text="Goti express      ").place(x=200,y=140)

tno=Label(text="8020").place(x=200,y=160)

at=Label(text="2021-10-14 12:30:00").place(x=200,y=180)

dt=Label(text="2021-10-14 03:20:00").place(x=200,y=200)

so=Label(text="Kanpur      ").place(x=200,y=220)

des=Label(text="Howrah      ").place(x=200,y=240)

sw()

user()

us()

s1.destroy()

s2=tk.Tk()

s2.geometry("1000x600")

s2.title("SAVE")

choose=Label(text="Choose your train").place(x=0,y=1)

i=3

for TRAIN in myresult:

    for j in range(len(TRAIN)):

        e=Entry(s2,width=17)

        e.grid(row=i,column=j)

        e.insert(END,TRAIN[j])

    i=i+1

r1=Button(text="BOOK NOW",bg='yellow',fg='black',command=f1).place(x=890,y=1)

r2=Button(text="BOOK NOW",bg='yellow',fg='black',command=f2).place(x=890,y=18)

r3=Button(text="BOOK NOW",bg='yellow',fg='black',command=f3).place(x=890,y=36)

r4=Button(text="BOOK NOW",bg='yellow',fg='black',command=f4).place(x=890,y=54)

```

```
r5=Button(text="BOOK NOW",bg='yellow',fg='black',command=f5).place(x=890,y=74)

r6=Button(text="BOOK NOW",bg='yellow',fg='black',command=f6).place(x=890,y=93)

s1=tk.Tk()

s1.geometry("800x500")

s1.title("Railway Ticket Booking")

s1.configure(bg='blue')

heading=Label(text="Railway reservation form",bg="orange",width="500",height="3")

heading.pack()

username=Label(text=" Enter Username here",bg="light green",font=('Calisto MT',10,"bold"))

username.place(x=80,y=110)

password=Label(text="Enter Password here",font=('Calisto MT',10,"bold"))

password.place(x=80,y=160)

username_box=Entry(textvariable=username,width='40')

password_box=Entry(textvariable=password,show='*',width='40')

username_box.place(x=100,y=137)

password_box.place(x=100,y=187)

c=Button(text="CREATE ACCOUNT",bg='yellow',fg='black',command=account)

c.place(x=80,y=213)

a1=tk.Label(s1,text="")

a1.place(x=100,y=250)

a2=tk.Label(s1,text="")

a2.place(x=100,y=280)
```

**Output:**

```
1 • create database railway;
2 • use railway;
3 • create table TRAIN(Sno int,train_name varchar(200),train_no int,arrival_time timestamp,departure_time timestamp,
4     from_source varchar(200),destination varchar(200),seats int);
5 • create table PASSENGER(passenger_id int,passenger_name varchar(200),age int,gender varchar(200),pnr_no int,seat_number int);
6 • create table USER(username varchar(200),passcode varchar(200));
7 • insert into TRAIN values(1,"Shatabdi express",3087,'2021-10-05 12:30:00','2021-10-05 17:00:00','Chennai','Bangalore',900),
8     (2,"Delhi express",4110,'2021-10-05 01:30:00','2021-10-05 05:00:00','Delhi',"Kolkatta",700),
9     (3,"Gatimaan Express",8921,'2021-10-05 02:30:00','2021-10-05 06:00:00','Delhi',"Agra",800),
10    (4,"Bhopal Shatabdi",8921,'2021-10-18 02:45:00','2021-10-18 07:00:00','Mumbai',"Gujarat",1000),
11    (5,"Sealdah Duronto",1591,'2021-10-27 08:30:00','2021-10-27 10:50:00','Delhi',"Bhopal",1200),
12    (6,"Goti",8020,'2021-10-14 12:30:00','2021-10-14 03:20:00',"Kanpur","Howrah",1200);
13 • select * from USER;
14
```

```
mysql> select* from TRAIN;
```

SNo	train_name	train_no	arrival_time	departure_time	from_source	destination	seats
1	Shatabdi express	3087	2021-10-05 12:30:00	2021-10-05 17:00:00	Chennai	Bangalore	900
2	Delhi express	4110	2021-10-05 01:30:00	2021-10-05 05:00:00	Delhi	Kolkatta	700
3	Gatimaan Express	8921	2021-10-05 02:30:00	2021-10-05 06:00:00	Delhi	Agra	800
4	Bhopal Shatabdi	8921	2021-10-18 02:45:00	2021-10-18 07:00:00	Mumbai	Gujarat	1000
5	Sealdah Duronto	1591	2021-10-27 08:30:00	2021-10-27 10:50:00	Delhi	Bhopal	1200
6	Goti	8020	2021-10-14 12:30:00	2021-10-14 03:20:00	Kanpur	Howrah	1200

```
6 rows in set (0.00 sec)
```

```
mysql> select * from USER;
```

username	passcode
Thilothammal	767e
Viswanathan	328y21
Sharan	1935

```
3 rows in set (0.00 sec)
```



## Railway reservation form

Enter Username here

Viswanathan

Enter Password here

\*\*\*\*\*

CREATE ACCOUNT

YOUR USERNAME: Viswanathan

YOUR PASSWORD: 328y31

REGISTER

SAVE

— □ ×

1	Shatabdi express	3087	2021-10-05 12:30:00	2021-10-05 17:00:00	Chennai	Bangalore	900	BOOK NOW
2	Delhi express	4110	2021-10-05 01:30:00	2021-10-05 05:00:00	Delhi	Kolkatta	700	BOOK NOW
3	Gatimaan Express	8921	2021-10-05 02:30:00	2021-10-05 06:00:00	Delhi	Agra	800	BOOK NOW
4	Bhopal Shatabdi	8921	2021-10-18 02:45:00	2021-10-18 07:00:00	Mumbai	Gujarat	1000	BOOK NOW
5	Sealdah Duronto	1591	2021-10-27 08:30:00	2021-10-27 10:50:00	Delhi	Bhopal	1200	BOOK NOW
6	Goti	8020	2021-10-14 12:30:00	2021-10-14 03:20:00	Kanpur	Howrah	1200	BOOK NOW

TRAIN NAME : Delhi express  
 TRAIN NUMBER : 4110  
 ARRIVAL TIME : 2021-10-05 01:30:00  
 DEPARTURE TIME : 2021-10-05 05:00:00  
 SOURCE : Delhi  
 DESTINATION : Kolkatta  
 Your Name : Viswanthan  
 Your Age : 18  
 Your Gender : Male  
 Choose Your Seat: 823C

BOOK TICKETS

INDIAN RAILWAYSViswanthan

\*\*\*YOUR TICKET IS BOOKED SUCCESSFULLY\*\*\*Viswanthan

PASSENGER NAME :Viswanthan

AGE :18

GENDER :Male

SEAT :823C

PNR NO :6394091871942

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