<u>Acknowledgement</u>

Apart from our efforts, the success of any project depends largely on the encouragement and guidelines of many others.We take this opportunity to express our gratitude to the people who have been instrumental in the successful completion of this project.

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Overview of Python

Python is a high-level, interpreted, interactive and object-oriented

scripting language. Python is designed to be highly readable.

- Python is Interpreted − Python is processed at runtime by the interpreter. You do not need to compile your program before executing it. This is similar to PERL and PHP.

- Python is Interactive − You can actually sit at a Python prompt and interact with the interpreter directly to write your programs.

- Python is Object-Oriented − Python supports Object-Oriented style or technique of programming that encapsulates code within objects.

- Python is a Beginner's Language − Python is a great language for the beginner-level programmers and supports the development of a wide range of applications from simple text processing to WWW browser to games.

- Easy-to-learn − Python has few keywords, simple structure, and a clearly defined syntax. This allows the student to pick up the language quickly.

- Easy-to-read − Python code is more clearly defined and visible to the eyes.

- Easy-to-maintain − Python's source code is fairly easy-to-maintain.

- A broad standard library − Python's bulk of the library is very portable and cross-platform compatible on UNIX, Windows, and Macintosh.

- Interactive Mode − Python has support for an interactive mode which allows interactive testing and debugging of snippets of code.

- Portable − Python can run on a wide variety of hardware platforms and has the same interface on all platforms.

- Extendable − You can add low-level modules to the Python interpreter. These modules enable programmers to add to or customize their tools to be more efficient.

- Databases − Python provides interfaces to all major commercial databases.

- GUI Programming − Python supports GUI applications that can be created and ported to many system calls, libraries and windows systems, such as Windows MFC, Macintosh, and the X Window system of Unix.

- Scalable − Python provides a better structure and support for large programs than shell scripting.

What you can do with python

Python is used to create web and desktop applications, and some of the most popular web applications like Instagram, YouTube, Spotify all have been developed in python. You can also develop the next big thing by using python.

Index

Synopsis

This project is a program based on Daily Travel Booking Management. It provides a day-to-day life service for the user.

The user is able to book transportation to travel from one destination to another using this program.

Users can either login to their existing account or can sign in to a new account as usual with their Phone number,Name and Password.

Once the user has logged in to their account, the program provides many options to book a transport,verify a bill or even better,the user can view his/her travel log.

The details about the board are briefly asked to the user to give a clear-cut view of how the system works.

In case a user needs to delete his/her account due to some reason, the program also provides an option for that.

This program provides a clean and comprehensible set of functions that is easy to use and vastly effective for any library.

This software is especially helpful for citizens who are exploring nature and who are in an emergency situation to go somewhere to fulfill their objectives as this program provides a quick service.

For booking transportation, this program is feasible, user friendly and is easily accessible.

MySQL Tables

```
mysql> use travel_management;
Database changed
mysql> show tables;
+-------------------------------+
| Tables_in_travel_management   |
+-------------------------------+
| accounts                      |
| customer_bookings             |
+-------------------------------+
```

```
mysql> select * from accounts;
+--------------+----------+----------+
| Phone_Number | Name     | Password |
+--------------+----------+----------+
|   1234567890 | Rubina   |    13579 |
|   5678901234 | Robert   |    11111 |
|   7373541780 | Shaila   |    99999 |
|   7639921133 | Swetha   |    12367 |
|   8943729731 | Karthi   |    82042 |
|   9413395850 | Vineet   |    56678 |
|   9547892022 | Sameera  |    44321 |
|   9585394133 | Preyanka |    56789 |
|   9876543210 | Shyam    |    24680 |
|   9888543210 | Ankita   |    12312 |
|   9999123456 | Sahir    |    10000 |
+--------------+----------+----------+
11 rows in set (0.00 sec)
```

```
mysql> select * from customer_bookings;
+--------------+---------------+-------------------+--------+---------+------------+
| Phone_Number | Your_Location | Your_Destination  | Driver | Urgency | Date_booked |
+--------------+---------------+-------------------+--------+---------+------------+
|   9585394133 | Udumalpet     | Salem             | Female | Yes     | 2022-01-06 |
|   9585394133 | Salem         | Chennai           | Female | No      | 2022-01-14 |
|   8943729731 | Pollachi      | Kallakurichi      | Male   | No      | 2022-01-14 |
+--------------+---------------+-------------------+--------+---------+------------+
3 rows in set (0.00 sec)
```

Coding

```python
import mysql.connector as mysql
con=mysql.connect(host='localhost',user='root',passwd='12345',database='travel_man
agement')
cursor=con.cursor()

#table1-accounts
cursor.execute('''create table accounts
        (Phone_Number bigint(15) primary key,
         Name varchar(40),
         Password integer);''')
con.commit()


#table2-customer_bookings
cursor.execute('''create table customer_bookings
        (Phone_Number bigint(15),
         Your_Location char(30),
         Your_Destination char(30),
         Driver char(35),
         Urgency char(10),
         Date_booked date);''')
con.commit()


from time import strftime
n=str(strftime('%d %B %Y,%A'))

from datetime import date
today=date.today()



print('              ***### GREETINGS FROM TRAVEL DAILY!!!! ###***              ')
print('\n')
```

```python
print('                    ',n,'                              ')
print('\n')
print('+-------------------+')
print(
'''|MENU:              |
|1.Login            |
|2.Create Account   |
|3.Delete Account   |
|4.Exit             |''')
print('+-------------------+')
print('\n')
print('Press 1 to Login into Existing Account')
print('Press 2 to Create New Account')
print('Press 3 to Delete Existing Account')
print('Press 4 to Exit')
print('\n')
choice=int(input('Enter your choice:'))
def choice1():
        print('\n')
        phno=int(input('Enter Your Phone Number:'))
        s1="select Name from accounts where Phone_Number={}".format(phno)
        cursor.execute(s1)
        data=cursor.fetchall()
        a=cursor.rowcount

        if a!=1:
           print('\n')
           print("*********************ACCOUNT DOESN'T
EXIST*********************")
           print('\n')
           create=int(input("Press 55 to create account or Press 0 to exit="))
           if create==55:
              phone_number=int(input('Enter Phone Number:'))
              name=str(input('Enter Name:'))
              password=input('Enter Password of 5 digits:')
```

6

```
            s2="insert into accounts(Phone_Number,Password,Name)
VALUES({},{},'{}')".format(phone_number,password,name)
            cursor.execute(s2)
            con.commit()
            print('Account Sucessfully Created')

        data=data[0]
        data=list(data)
        data=data[0]
        data=str(data)


        s3="select Password from accounts where Phone_Number={}".format(phno)
        cursor.execute(s3)
        data=cursor.fetchall()
        data=data[0]
        data=list(data)
        data=data[0]


        b=int(input('Enter Your Password:'))
        if b!=data:
            print()
            print("**********************INVALID
PASSWORD***********************")
        con.commit()
        s4="select Name from accounts where Password={}".format(data)
        cursor.execute(s4)
        cname=cursor.fetchall()
        cname=cname[0]
        cname=list(cname)
        cname=cname[0]

        if b==data:
            print('\n')
            print("LOGGED  IN !!!!!")
```

```python
        print('\n')
        print("HI",cname,"!!")
        print('\n')
        print("What can I do for you?")
        print('\n')
        print('1)Book for a Board')
        print('2)Bill Verification')
        print('3)My Travel Log')
        print('4)Exit')
        print()
        choice1=int(input('Enter Your Choice:'))


        s5="select Phone_Number from accounts where
Password={}".format(data)
        cursor.execute(s5)
        cphno=cursor.fetchall()
        cphno=cphno[0]
        cphno=list(cphno)
        cphno=cphno[0]

        if choice1==1:
            your_location=input('Your_Location:')
            your_destination=input('Your_Destination:')
            time=input('Time to start your Board:')
            driver=input("Driver Gender Preferences:")
            urgency=input('Urgency(Yes/No):')
            s6="insert into customer_bookings
VALUES({},'{}','{}','{}','{}','{}')".format(cphno,your_location,your_destination,driver,urg
ency,today)
        cursor.execute(s6)
        con.commit()
        print()
        print('*****************************AT YOUR SERVICE
AT',time,"*****************************")
        print('Thank You')
```

8

```python
            import sys
            sys.exit()



        if choice1==2:
            dist=int(input('Enter Distance Travelled[km]:'))
            bill=dist*5
            print('Your Payment:Rs.',bill)

        if choice1==3:
            s7="select your_destination,date_booked from customer_bookings
where Phone_Nmber={}".format(phno)
            cursor.execute(s7)
            data=cursor.fetchall()
            for row in data:
                print('*','To',row[0],'on',row[1])
            con.commit()
            import sys
            sys.exit()

        if choice1==4:
            print()
            print("Thank you :), Visit again !!")
            import sys
            sys.exit()

        if choice not in (1,2,3,4):
            print('\n')
            print("*******************INVALID CHOICE*******************")
            import sys
            sys.exit()

        else:
            import sys
            sys.exit()
```

```python
def choice2():
    phone_number=int(input('Enter Phone Number:'))
    name=str(input('Enter Name:'))
    password=input('Enter Password of 5 digits:')
    s8="insert into accounts(Phone_Number,Password,Name)
VALUES({},{},'{}')".format(phone_number,password,name)
    cursor.execute(s8)
    con.commit()
    print("Account Successfully Created")
    import sys
    sys.exit()

def choice3():
    phone_number=int(input('Enter Phone Number:'))
    s9="delete from customer_bookings where
Phone_Number={}".format(phone_number)
    s10="delete from accounts where Phone_Number={}".format(phone_number)
    cursor.execute(s9)
    cursor.execute(s10)
    con.commit()
    print('\n')
    print("**********************************ACCOUNT SUCCESSFULLY
DELETED**********************************")
    import sys
    sys.exit()

if choice==1:
    choice1()

if choice==2:
    choice2()

if choice==3:
    choice3()
```

```python
if choice==4:
    import sys
    sys.exit()

if choice not in (1,2,3,4):
    print('\n')
    print("*******************INVALID CHOICE********************")
```

Output Screens

```
                        *** ### GREETINGS FROM TRAVEL DAILY!!!! ### ***


                            14 January 2022, Friday


+--------------------+
|MENU:               |
|1.Login             |
|2.Create Account    |
|3.Delete Account    |
|4.Exit              |
+--------------------+


Press 1 to Login into Existing Account
Press 2 to Create New Account
Press 3 to Delete Existing Account
Press 4 to Exit


Enter your choice:1


Enter Your Phone Number:9585394133
Enter Your Password:56789


LOGGED   IN !!!!!


HI Preyanka !!


What can I do for you?
```

```
1)Book for a Board
2)Bill Verification
3)My Travel Log
4)Exit

Enter Your Choice:1
Your_Location:Chennai
Your_Destination:Erode
Time to start your Board:3pm
Driver Gender Preferences:Male
Urgency(Yes/No):Yes

********************************AT YOUR SERVICE AT 3pm ********************************
Thank You
...
```

```
                    ***### GREETINGS FROM TRAVEL DAILY!!!! ###***


                          14 January 2022,Friday


+--------------------+
|MENU:               |
|1.Login             |
|2.Create Account    |
|3.Delete Account    |
|4.Exit              |
+--------------------+


Press 1 to Login into Existing Account
Press 2 to Create New Account
Press 3 to Delete Existing Account
Press 4 to Exit


Enter your choice:2
Enter Phone Number:7648291891
Enter Name:Dhanush
Enter Password of 5 digits:09938
Account Successfully Created
```

Limitations

1. This requires knowledgeable people to use the system.

2. Online fees collection is not recognized.

3. It does not cover paying staff salaries.

4. It does not store the amount of bill ,urgency and gender preference.

5. Cannot retrieve data once it is deleted.

6. Doesn't provide online services for any users.

Conclusion

The project Daily Travel Booking Management is for computerizing working in a library which immensely reduces manual work required for booking a board and helps enjoy new kinds of experience to users rather than contacting the agency directly.

The software takes care of all the requirements that one might need while booking for a board and ensures that he/she is at ease while doing so.The software provides various options from verifying a bill to asking for gender preferences.

The software is one of many around the world but with its own unique touch to it which will make the users like it more.

Requirements

1. Operating System: Windows 10 pro

2. Processor: Intel(R) Core (TM) i3-3110M CPU @ 2.40GHz

3. Motherboard: Intel HP G6-1000 DA0R13MB6E0

4. RAM: 4.00 GB

5. System Type: 64-bit Operating System, x64-Based Processor

6. Laptop 14.1 Inch, Keyboard & Mouse

7. Printer

<u>Bibliography</u>

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