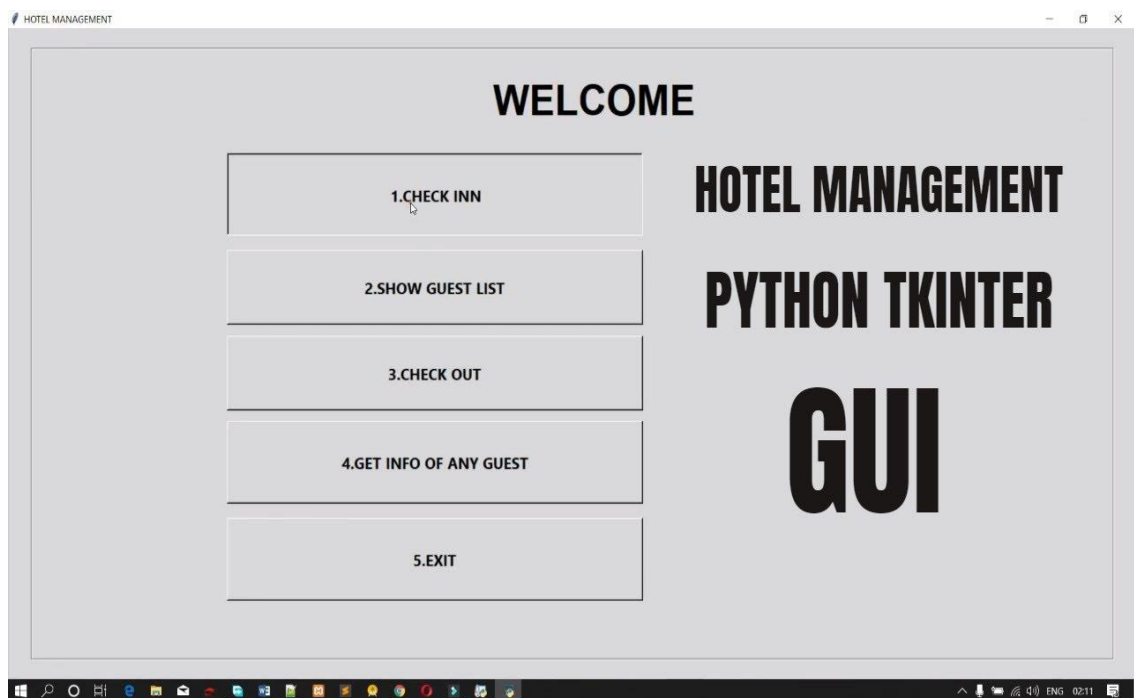


Advance Python Assessment Test

- Write a program to demonstrate the Hotel management application
- Prepare demonstration of Python Hotel management application under software development principles and follow coding protocols
- The project was built in a GUI application called tkinter module that compose with different widgets to create an effective interactive interface.
- The system is openly-accessible without providing a user login information The has many things to do in the system, he/she can check in new guest, display the total guest, checkout guest and generate a receipt information.
- In this application all operations using MySQL queries
- Create GUI application using tkinter module



- Make sure each business logic is denoted with appropriate comments and make your code interactive and represent clean and clear output on tkinter screen.

- Perform below operations
- Design forms in tkinter based GUI application and accept all values

Registration Form

Please enter details below

Name *

Contact *

Email *

Gender * ☐ Male ☐ Female

City *

State *

Register

Hotel Management System

YOU CLICKED ON : CHECK IN

ENTER YOUR NAME : John Smith OK

ENTER YOUR ADDRESS : New York OK

ENTER YOUR NUMBER : 0999999999 OK

NUMBER OF DAYS : 1 OK

CHOOSE YOUR ROOM

☐ DELUXE ☐ GENERAL

☒ FULL DELUXE ☐ JOINT

CHOOSE PAYMENT METHOD

☒ By cash ☐ By credit/debit card

SUBMIT

name has been inputed
address has been inputed
invalid input please input a valid mobile number
mobile number has been inputed

- Store all data in MySQL database create separate file for database connection.

- Make sure this code implements using oops concepts only
- Manage proper naming convention – create appropriate objects name.
- Implement common fields using inheritance concepts only and make it more readable. Balance field must be private only customer can access this field
- Use encapsulation concept in this project
- create separate file for all business logics and make them reusable - use modules concepts with class ,object functionality for implements above logic
- Make sure validation proper given – each options - display appropriate message if user enter invalid input and accept values again and again - use looping concepts and string inbuilt methods concepts in this logic implementation

Registration Form

Please enter details below

Name *

Contact *

Email *

Gender * ☐ Male ☐ Female

City *

State *

fill the empty field!!!

Register

- **Make sure code prevent from unexpected exception return to the previous menu and accept all details again.**
- **Make sure Database normalize manage in this project work**
- **After execution of each option confirmation message must be displayed.**
- **Remove option must ask to user for question id to delete and again ask for confirmation (Y/N) before deletion and display proper message after deletion**
- **Program should not be terminated till the user Exit it**
- **Developer needs to test his product before launching it into the market**
- **After completion this project upload it on GitHub**
 - **Upload all features in develop branch after completion all features merge it with main branch**

