**SECOND YEAR B. TECH THIRD SEMESTER**

**COMPUTER SCIENCE AND ENGINEERING DEPARTMENT**

**MINI PROJECT REPORT(ITW-1)**

ON

**HOTEL MANAGEMENT SYSTEM USING NUMPY AND PANDA**

By

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**NAGPUR**

**(An Institution of National Importance by Act of Parliament)**

**BACKGROUND OF PROJECT:**

**Our project is based on Hotel Management System using numpy , pandas, datetime**

**library , in which we have provided all essential services which are needed to the customers . It includes**

**1.Check Customer Details**

**2.Check Room Details**

**3.Food Menu**

**4.Game Parlour**

**5.Bill Receipt**

**6.Regarding Query**

**7.Make Payment**

**METHODOLOGY:**

**In this project, we have mainly imported the python libraries of NumPy, Pandas, As Pandas specializes in manipulating tabulated data thus using this library we created a data frame. The next library we have used in this python script is NumPy to work with the array created From the data frame.**

**We have gathered data from multiple sources and converted the excel data file into a CSV file. Then you read the roster CSV file using pd.read\_csv().Using the np. arrange we introduce the data in the form list present in an array.**

**OUTPUT/RESULTS :**

**--------------------------------------------------------------**

**-------------- WELCOME TO GALAXY HOTEL, NAGPUR ---------------**

**--------------------------------------------------------------**

**Packages that We Offer**

**1.Luxury Room**

**These cozy. windowless rooms located in the historic Palace Wing offer you complete tranquillity.**

**2.Luxury Grande Room City View**

**These rooms are located in the Palace Wing on the 2nd, 3rd and 4th floors.**

**3.Luxury Grande Room Sea View**

**These rooms offer spectacular views of the Arabian Sea or the Gateway of India.**

**4.The Tata Suite**

**Created in the honor of our Founder with extravagance of lush carpets and fine architectural detailing.**

**(Note - All Packages include Complimentary Wifi Service ,King size bed can accomodate upto 3 guests.)**

**To Check Price of Packages Enter 1**

**1**

**(Note - Starting Rate/Night)**

**1.Luxury Room Rs.4000\***

**2.Luxury Grande Room City View Rs.7000\***

**3.Luxury Grande Room Sea View Rs.10000\***

**4.The Tata Suite Rs.15000\***

**Please select package**

**2**

**For how many nights you are willing to stay**

**2**

**We have These three rooms available right now,please select one**

**[474 342 201 208 369]**

**208**

**Your Room number is 208**

**Your Room Rent Rs. 14000**

**Enter Customer Details**

**Enter Customer Name**

**EWFR**

**enter customer email id**

**FRE**

**enter customer phone number**

**FRT**

**enter customer's address**

**TRET**

**1.Check Customer Details**

**2.Check Room Details**

**3.Food Menu**

**4.Game Parlour**

**5.Bill Receipt**

**6.Regarding Query**

**7.Make Payment**

**8.Exit**

**Select Services**

**1**

**Customer Details**

**Customer Name : EWFR**

**Customer email id : FRE**

**Customer phone number : FRT**

**Customer's address : TRET**

**1.Check Customer Details**

**2.Check Room Details**

**3.Food Menu**

**4.Game Parlour**

**5.Bill Receipt**

**6.Regarding Query**

**7.Make Payment**

**8.Exit**

**Select Services**

**2**

**Room Details**

**Package Name : Luxury Grande Room City View**

**Room Number : 208**

**Room Rent : 14000**

**Gaming Cost Rs 240**

**1.Check Customer Details**

**2.Check Room Details**

**3.Food Menu**

**4.Game Parlour**

**5.Bill Receipt**

**6.Regarding Query**

**7.Make Payment**

**8.Exit**

**Select Services**

**5**

**-------------------- BILL RECEIPT ----------------------**

**--------------------------------------------------------**

**Branch : Nagpur**

**Check In Date: Wed Nov 9 21:18:24 2022**

**Check Out Date: Sat Nov 12 21:18:24 2022**

**Customer Detalis :**

**--------------------------------------------------------**

**Customer Name: EWFR**

**Customer Email ID: FRE**

**Customer Phone Number: FRT**

**Customer Address: TRET**

**--------------------------------------------------------**

**Package Name : Luxury Grande Room City View**

**Room Number : 208**

**--------------------------------------------------------**

**Total Services And its Cost :**

**Room Rent 14000**

**Food Bill 60**

**Gaming Bill 240**

**--------------------------------------------------------**

**Grand Total 14300**

**1.Check Customer Details**

**2.Check Room Details**

**3.Food Menu**

**4.Game Parlour**

**5.Bill Receipt**

**6.Regarding Query**

**7.Make Payment**

**8.Exit**

**Select Services**

**6**

**If You have Any Query Regarding Bill receipt or hotel management ,feel free to contact**

**Name Post Contact No.**

**0 Anuj kumar Manager 7564898456**

**1 Ravindra sapkal Secretary 8564212456**

**2 Vedant chavan Receptionist 9999565116**

**3 Aditya Shinde Receptionist 7458885577**

**4 Varad Patil Staff 8954236435**

**5 Prajwal Kulkarni Staff 7459865554**

**Process finished with exit code 0**

NOTE: USE TIMES NEW ROMAN FONT WITH SIZE-12 FOR ALL TEXT. HEADING SIZE SHOULD BE SAME AS MENTIONED ABOVE.TEXT SHOULD BE JUSTIFIED.