



SRM

INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

TOURISM MANAGEMENT SYSTEM

ABSTRACT:

The following Tourism Management system is implemented by C-Programming. It enables the user to book a tour package conveniently.

Input and Output functions—'printf' and 'scanf'; fundamental variable type 'int'; Character arrays; Conditional statements—'if' and 'else' and the 'fgets' function were used in the program.

The page opens with a welcome note that reads “Welcome to S&N Tours ‘n’ Travels! How may we assist you?”. The user is then expected to press ‘1’ in order to be able to view and book a tour package. The user is given the following tour packages to choose from:

1. Place: Venice, Italy for five days and six nights. Accommodation options: Hotel Armani, Shangri-La Hotel, ITC Hotel, Oberoi Resorts. Price: Rs. 15,000. 2. Place: Dubrovnik, Croatia for seven days and eight nights. Accommodation options: Hotel Aman, Braavos Resorts, D&D Bed and Breakfast. Price: Rs, 20,000. 3. Place: Helsinki, Finland for six days and seven nights. Accommodation options: Hotel Omate, Hotel Kahvi, Sauna Resorts. Price: Rs. 17,000.

The user is then expected to enter one of the three numbers: 1, 2 and 3 corresponding to the Venice, Dubrovnik and Helsinki tour packages respectively. Thus, a tour package is chosen for the further booking process. The user then has to enter the dates for the tour and available accommodations are displayed for the user's information.

The user then has to enter their name and mobile number and the details are then confirmed. The program also displays the user's account balance before the transaction has been made, along with the amount (corresponding to the chosen package) that was deducted during the transaction. Text wishing the user a safe trip is then displayed at the end.

In case the transaction has failed, the same is displayed to the user.

The user is then given two options. In order to check the status and details of a previously purchased package, the user is asked to enter “1” and to exit the program, the user is asked to enter “2”.

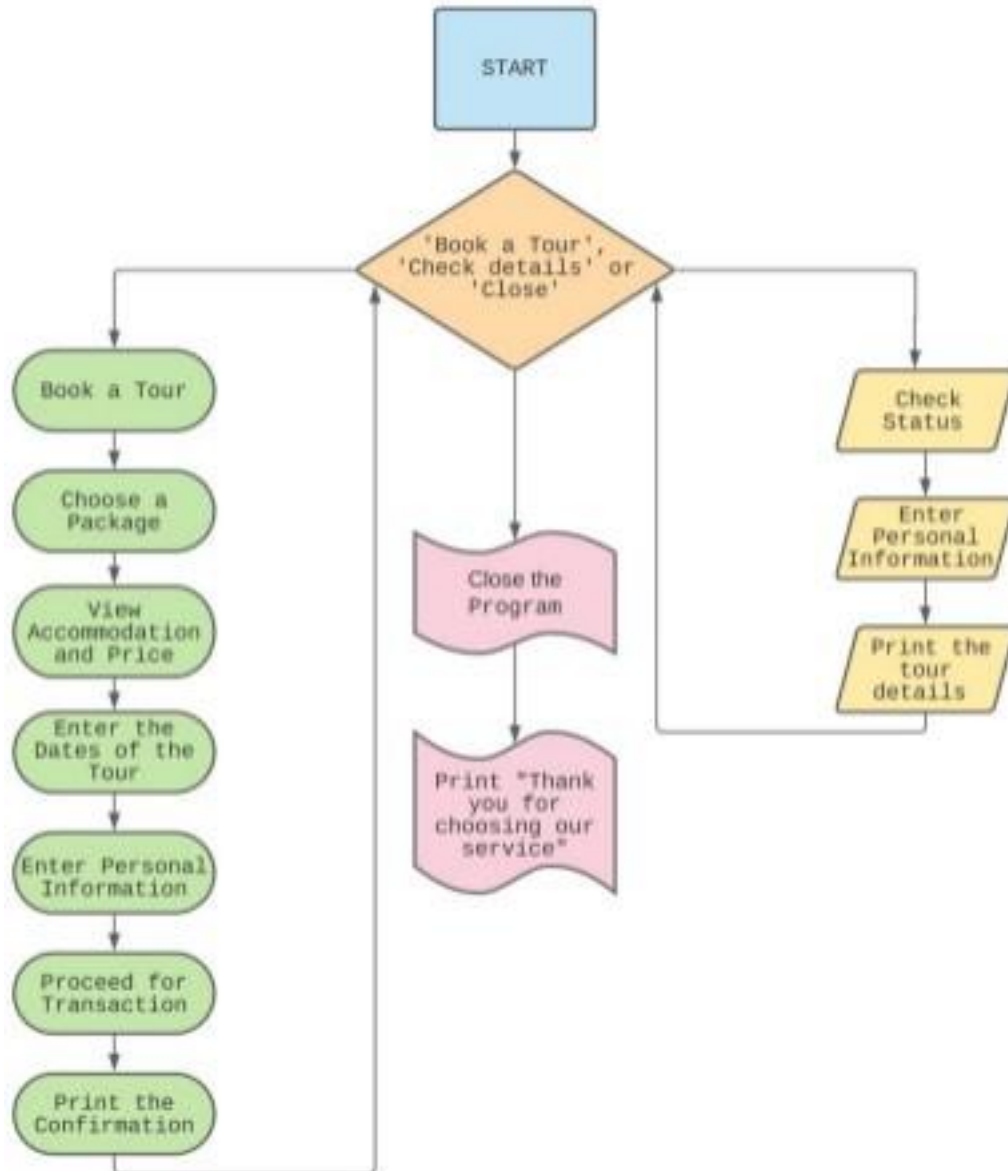
When the user chooses to view the status and details of a previously purchased package, the name and mobile number are asked. Then, according to the chosen package, the details are displayed. The booking status is also displayed.

The user can exit the program by choosing ‘1’.

ALGORITHM:

1. Start the Program.
2. Print or display the Welcome Note.
3. Print the instruction enabling the user to enter '1' to view and book a tour package.
4. Declare and read the variables for the user to choose a tour package.
5. Print the details of three different tour packages enabling the user to choose one.
6. Display the chosen package after the user has entered any of the three numbers '1, 2 and 3' corresponding to the three different packages.
7. Ask the user to enter the dates of the tour and confirm them.
8. Display the available accommodation for the user's information.
9. Ask the user to enter their name and mobile number and confirm the details by displaying their personal details.
10. Print a statement displaying the balance in their bank account and the cost of the tour package chosen, i.e, the amount debited.
11. Print the instruction enabling the user to enter '1' to proceed for payment.
12. Print or display the payment details, i.e, if the payment was successful or not.
13. Print the "Thank you" note.
14. Print the instruction enabling the user to enter '1' to check the status and details of a previously purchased package and '2' to close the application.
15. If the user chooses '1', display the details of the tour corresponding to the package chosen.
16. Then, go back to step-13.
17. If the user chooses '2', go back to step-13.
18. End the program.

FLOWCHART:



PROGRAM:

```
#include <stdio.h>

int main()
{
    printf("Welcome to S&N Tours 'n' Travels! How may we assist  
you?\n\n"); printf("To view and book a tour package, please press 1.\n");

    printf("\nPlease enter your decision here: ");
    int decision,package,proceed,status;
    char date[30],name[30],mob[20],mob2[20],hotel[10];
    scanf("%d",&decision);
    if(decision==1){
        printf("\n\nDetails of Package 1 are as follows:\nPlace: Venice, Italy\nDays/Nights: 5  
Days, 6 Nights\nAvailable Accomodations: Hotel Armani, Shangri-La Hotel, ITC  
Hotel, Oberoi Resorts\nPrice: Rs. 15,000");

        printf("\n\nDetails of Package 2 are as follows:\nPlace: Dubrovnik,  
Croatia\nDays/Nights: 7 Days, 8 Nights\nAvailable Accomodations: Hotel Aman,  
Braavos Resorts, D&D Bed and Breakfast\nPrice: Rs. 20,000");

        printf("\n\nDetails of Package 3 are as follows:\nPlace: Helsinki, Finland\nDays/Nights: 6  
Days, 7 Nights\nAvailable Accomodations: Hotel Omate, Hotel Kahvi, Sauna  
Resorts\nPrice: Rs. 17,000");

        printf("\n\nPlease type the package number to proceed with the booking process: ");
        scanf("%d", &package);

        if(package==1){
            printf("\n\nYou have chosen Venice, Italy as the destination for 5 Days and 6 Nights. Great  
Choice!\n\nPlease enter the dates for the tour (eg: DD/MM/YYYY-DD/MM/YYYY): ");
            scanf("%s",date);

            printf("\n\nYou have chosen the following dates for the tour: %s\n\n",
            date); printf("Available accomodation in this city is Armani Hotel.");

            printf("\n\nYour accomodation will be Armani Hotel\n\n");

            printf("Enter your name: ");
            fgets(hotel, 20, stdin);
            fgets(name, 30, stdin);
```

```

printf("Enter your mobile number: ");

fgets(mob, 20, stdin);

printf("\nYour details will be confirmed as:\n\n");

printf("Name: %sMobile Number: %sDates for the tour: %s\n\n", name, mob, date);

printf("You have Rs. 1,00,000 in your account. Your tour costs Rs. 15,000. Hence, Rs. 15,000 will be deducted from your account.\nPlease press 1 to proceed with payment: ");

scanf("%d",&proceed);

if(proceed==1){

printf("\n\nTransaction complete! Remaining balance in your account is Rs. 85,000");

}

else

printf("\n\nTransaction failed");

}

else if(package==2){

printf("\n\nYou have chosen Dubrovnik, Croatia as the destination for 7 Days and 8 Nights. Great Choice!\n\nPlease enter the dates for the tour (eg: DD/MM/YYYY DD/MM/YYYY): ");

scanf("%s",date);

printf("\n\nYou have chosen the following dates for the tour: %s\n\n", date);

printf("Available accomodation in this city is Braavos Resorts."); printf("\n\nYour accomodation will be Braavos Resorts\n\n");

printf("Enter your name: ");

fgets(hotel, 20, stdin);

fgets(name, 30, stdin);

printf("Enter your mobile number: ");

fgets(mob, 20, stdin);

printf("\n\nYour details will be confirmed as:\n\n");

printf("Name: %sMobile Number: %sDates for the tour: %s\n\n", name, mob, date);

printf("You have Rs. 1,00,000 in your account. Your tour costs Rs. 20,000. Hence, Rs. 20,000 will be deducted from your account.\nPlease press 1 to proceed with payment: ");

scanf("%d",&proceed);

if(proceed==1){

printf("\n\nTransaction complete! Remaining balance in your account is

```

```

Rs. 80,000");
}
else
printf("\n\nTransaction failed");
}
else if(package==3){
printf("\n\nYou have chosen Helsinki, Finland as the destination for 6 Days and 7
Nights. Great Choice!\n\nPlease enter the dates for the tour (eg: DD/MM/YYYY
DD/MM/YYYY): ");
scanf("%s",date);
printf("\n\nYou have chosen the following dates for the tour: %s\n\n", date);
printf("Available accomodation in this city is Sauna Resorts."); printf("\n\nYour
accomodation will be Sauna Resorts\n\n");
printf("Enter your name: ");
fgets(hotel, 20, stdin);
fgets(name, 30, stdin);
printf("Enter your mobile number: ");
fgets(mob, 20, stdin);
printf("\n\nYour details will be confirmed as:\n");
printf("Name: %sMobile Number: %sDates for the tour: %s\n\n", name, mob, date);
printf("You have Rs. 1,00,000 in your account. Your tour costs Rs. 17,000. Hence, Rs.
17,000 will be deducted from your account.\nPlease press 1 to proceed with payment:
\n");
scanf("%d",&proceed);
if(proceed==1){
printf("\n\nTransaction complete! Remaining balance in your account is
Rs. 83,000");
}
else
printf("\n\nTransaction failed");
}
}

printf("\n\n\nThank you for choosing S&N Tours 'n' Travels! We wish you a happy and
safe trip!");

printf("\n\n\n\nTo check the status and details of a previously purchased package, please
press 1. \nTo close the application, please press 2.\n");

```

```
printf("\nPlease enter your decision here: ");
scanf("%d",&status);
if(status==1){
printf("\n\nYour name: %s",name);
printf("Mobile number: %s",mob);
if(package==1){
printf("Place: Venice,Italy");
printf("\nHotel: Armani Hotel");
}
else if(package==2){
printf("\nPlace: Dubrovnik, Croatia");
printf("\nHotel: Braavos Resorts");
}
else{
printf("\nPlace: Helsinki, Finland");
printf("\nHotel: Sauna Resorts");
}
printf("\nDates: %s",date);
printf("\n\nBooking successfully done. Enjoy your trip!");
}
else{
printf("Thank you for choosing S&N Tours 'n' Travels!");
}
return 0;
}
```


RESULTS:

Welcome to S&N Tours 'n' Travels! How may we assist you?

To view and book a tour package, please press 1.

Please enter your decision here: 1

Details of Package 1 are as follows:

Place: Venice, Italy

Days/Nights: 5 Days, 6 Nights

Available Accomodations: Hotel Armani, Shangri-La Hotel, ITC Hotel, Oberoi

Resorts Price: Rs. 15,000

Details of Package 2 are as follows:

Place: Dubrovnik, Croatia

Days/Nights: 7 Days, 8 Nights

Available Accomodations: Hotel Aman, Braavos Resorts, D&D Bed and

Breakfast Price: Rs. 20,000

Details of Package 3 are as follows:

Place: Helsinki, Finland

Days/Nights: 6 Days, 7 Nights

Available Accomodations: Hotel Omate, Hotel Kahvi, Sauna Resorts

Price: Rs. 17,000

Please type the package number to proceed with the booking process: 2 You have chosen Dubrovnik, Croatia as the destination for 7 Days and 8 Nights. Great Choice!

Please enter the dates for the tour (eg: DD/MM/YYYY-DD/MM/YYYY): 01/02/2022-08/02/2022

You have chosen the following dates for the tour: 01/02/2022-08/02/2022

Available accommodation in this city is Braavos Resorts.

Your accommodation will be Braavos Resorts

Enter your name: Amit

Enter your mobile number: 57483752958

Your details will be confirmed as:

Name: Amit

Mobile Number: 57483752958

Dates for the tour: 01/02/2022-08/02/2022

You have Rs. 1,00,000 in your account. Your tour costs Rs. 20,000. Hence, Rs. 20,000 will be deducted from your account.

Please press 1 to proceed with payment: 1

Transaction complete! Remaining balance in your account is Rs. 80,000 Thank you

for choosing S&N Tours 'n' Travels! We wish you a happy and safe trip!

To check the status and details of a previously purchased package, please press 1.

To close the application, please press 2.

Please enter your decision here: 1

Your name: Amit

Mobile number: 57483752958

Place: Dubrovnik, Croatia

Hotel: Braavos Resorts

Dates: 01/02/2022-08/02/2022

Booking successfully done. Enjoy your trip!

...Program finished with exit code 0

Press ENTER to exit console.

SCREENSHOTS OF THE PROGRAM:

```
1 // Online C compiler to run C program online
2 #include <stdio.h>
3
4 int main()
5
6 {
7
8     printf("Welcome to S&N Tours 'n' Travels! How may we assist you?\n\n");
9
10    printf("To view and book a tour package, please press 1.\n");
11
12    printf("\nPlease enter your decision here: ");
13
14    int decision,package,proceed,status;
15
16    char date[30],name[30],mob[20],mob2[20],hotel[10];
17
18    scanf("%d",&decision);
19
20    if(decision==1){
21
22        printf("\n\nDetails of Package 1 are as follows:\nPlace: Venice,
                Italy\nDays/Nights: 5 Days, 6 Nights\nAvailable Accomodations: Hotel
                Armani, Shangri-La Hotel, ITC Hotel, Oberoi Resorts\nPrice: Rs. 15
                ,000");
```

```
24        printf("\n\nDetails of Package 2 are as follows:\nPlace: Dubrovnik,
                Croatia\nDays/Nights: 7 Days, 8 Nights\nAvailable Accomodations:
                Hotel Aman, Braavos Resorts, D&D Bed and Breakfast\nPrice: Rs. 20
                ,000");
25
26        printf("\n\nDetails of Package 3 are as follows:\nPlace: Helsinki,
                Finland\nDays/Nights: 6 Days, 7 Nights\nAvailable Accomodations:
                Hotel Omate, Hotel Kahvi, Sauna Resorts\nPrice: Rs. 17,000");
27
28        printf("\n\nPlease type the package number to proceed with the booking
                process: ");
29
30        scanf("%d", &package);
31
32        if(package==1){
33
34            printf("\n\nYou have chosen Venice, Italy as the destination for 5
                    Days and 6 Nights. Great Choice!\n\nPlease enter the dates for
                    the tour (eg: DD/MM/YYYY-DD/MM/YYYY): ");
35
36            scanf("%s",date);
37
38            printf("\n\nYou have chosen the following dates for the tour: %s\n\n"
                    , date);
```

```

40     printf("Available accomodation in this city is Armani Hotel.");
41
42     printf("\n\nYour accomodation will be Armani Hotel\n\n");
43
44     printf("Enter your name: ");
45
46     fgets(hotel, 20, stdin);
47
48     fgets(name, 30, stdin);
49
50     printf("Enter your mobile number: ");
51
52     fgets(mob, 20, stdin);
53
54     printf("\nYour details will be confirmed as:\n\n");
55
56     printf("Name: %sMobile Number: %sDates for the tour: %s\n\n", name,
57           mob, date);
58
59     printf("You have Rs. 1,00,000 in your account. Your tour costs Rs. 15
60           ,000. Hence, Rs. 15,000 will be deducted from your account
61           .\nPlease press 1 to proceed with payment: ");
62
63     scanf("%d",&proceed);

```

```

64     if(proceed==1){
65
66         printf("\n\nTransaction complete! Remaining balance in your
67         account is Rs. 85,000");
68
69     }
70
71     else
72
73         printf("\n\nTransaction failed");
74
75     }
76
77     else if(package==2){
78
79         printf("\n\nYou have chosen Dubrovnik, Croatia as the destination for
80         7 Days and 8 Nights. Great Choice!\n\nPlease enter the dates for
81         the tour (eg: DD/MM/YYYY-DD/MM/YYYY): ");
82
83         scanf("%s",date);
84
85         printf("\n\nYou have chosen the following dates for the tour: %s\n\n",
86               date);
87
88         printf("Available accomodation in this city is Braavos Resorts.");

```

```

84         printf("\n\nYour accomodation will be Braavos Resorts\n\n");
85
86         printf("Enter your name: ");
87
88         fgets(hotel, 20, stdin);
89
90         fgets(name, 30, stdin);
91
92         printf("Enter your mobile number: ");
93
94         fgets(mob, 20, stdin);
95
96         printf("\n\nYour details will be confirmed as:\n");
97
98         printf("Name: %sMobile Number: %sDates for the tour: %s\n\n", name,
99             mob, date);
100
101         printf("You have Rs. 1,00,000 in your account. Your tour costs Rs. 20
102             ,000. Hence, Rs. 20,000 will be deducted from your account
103             .\nPlease press 1 to proceed with payment: ");
104
105         scanf("%d",&proceed);
106
107         if(proceed==1){
108
109             printf("\n\nTransaction complete! Remaining balance in your
110                 account is Rs. 80,000");
111
112             }
113
114         else
115
116             printf("\n\nTransaction Failed");
117
118     }
119
120     else if(package==3){
121
122         printf("\n\nYou have chosen Helsinki, Finland as the destination for
123             6 Days and 7 Nights. Great Choice!\n\nPlease enter the dates for
124             the tour (eg: DD/MM/YYYY-DD/MM/YYYY): ");
125
126         scanf("%s",date);
127
128         printf("\n\nYou have chosen the following dates for the tour: %s\n\n",
129             date);
130
131         printf("Available accomodation in this city is Sauna Resorts.");
132
133         printf("\n\nYour accomodation will be Sauna Resorts\n\n");

```

```

128         printf("Enter your name: ");
129
130         fgets(hotel, 20, stdin);
131
132         fgets(name, 30, stdin);
133
134         printf("Enter your mobile number: ");
135
136         fgets(mob, 20, stdin);
137
138         printf("\n\nYour details will be confirmed as:\n");
139
140         printf("Name: %sMobile Number: %sDates for the tour: %s\n\n", name,
            mob, date);
141
142         printf("You have Rs. 1,00,000 in your account. Your tour costs Rs. 17
            ,000. Hence, Rs. 17,000 will be deducted from your account
            .\nPlease press 1 to proceed with payment: \n");
143
144         scanf("%d",&proceed);
145
146         if(proceed==1){
147
148             printf("\n\nTransaction complete! Remaining balance in your
                account is Rs. 83,000");
149
150
151
152
153
154
155
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157
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159
160
161
162
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165
166
167
168
169
170
171

```

```

150     }
151
152     else
153
154         printf("\n\nTransaction failed");
155
156     }
157
158 }
159
160 printf("\n\n\nThank you for choosing S&N Tours 'n' Travels! We wish you a
    happy and safe trip!");
161
162
163
164 printf("\n\n\n\n\nTo check the status and details of a previously purchased
    package, please press 1. \nTo close the application, please press 2.\n");
165
166 printf("\nPlease enter your decision here: ");
167
168 scanf("%d",&status);
169
170 if(status==1){
171

```



```
172     printf("\n\n\nYour name: %s",name);
173
174     printf("Mobile number: %s",mob);
175
176     if(package==1){
177
178         printf("Place: Venice,Italy");
179
180         printf("\nHotel: Armani Hotel");
181
182     }
183
184     else if(package==2){
185
186         printf("\nPlace: Dubrovnik, Croatia");
187
188         printf("\nHotel: Braavos Resorts");
189
190     }
191
192     else{
193
194         printf("\nPlace: Helsinki, Finland");
195
196         printf("\nHotel: Sauna Resorts");
```



```
190     }
191
192     else{
193
194         printf("\nPlace: Helsinki, Finland");
195
196         printf("\nHotel: Sauna Resorts");
197
198     }
199
200     printf("\nDates: %s",date);
201
202     printf("\n\nBooking successfully done. Enjoy your trip!");
203
204 }
205
206 else{
207
208     printf("Thank you for choosing S&N Tours 'n' Travels!");
209
210 }
211
212 return 0;
213
214 }
```

SCREENSHOTS OF THE RESULTS:

```
Welcome to S&N Tours 'n' Travels! How may we assist you?

To view and book a tour package, please press 1.

Please enter your decision here: 1

Details of Package 1 are as follows:
Place: Venice, Italy
Days/Nights: 5 Days, 6 Nights
Available Accomodations: Hotel Armani, Shangri-La Hotel, ITC Hotel, Oberoi Resorts
Price: Rs. 15,000

Details of Package 2 are as follows:
Place: Dubrovnik, Croatia
Days/Nights: 7 Days, 8 Nights
Available Accomodations: Hotel Aman, Braavos Resorts, D&D Bed and Breakfast
Price: Rs. 20,000

Details of Package 3 are as follows:
Place: Helsinki, Finland
Days/Nights: 6 Days, 7 Nights
Available Accomodations: Hotel Omate, Hotel Kahvi, Sauna Resorts
Price: Rs. 17,000

Please type the package number to proceed with the booking process: 2

You have chosen Dubrovnik, Croatia as the destination for 7 Days and 8 Nights. Great Choice!

Please enter the dates for the tour (eg: DD/MM/YYYY-DD/MM/YYYY): 01/02/2022-08/02/2022

You have chosen the following dates for the tour: 01/02/2022-08/02/2022

Available accommodation in this city is Braavos Resorts.

Your accommodation will be Braavos Resorts

Enter your name: Amit
Enter your mobile number: 57483752958

Your details will be confirmed as:
Name: Amit
Mobile Number: 57483752958
Dates for the tour: 01/02/2022-08/02/2022

You have Rs. 1,00,000 in your account. Your tour costs Rs. 20,000. Hence, Rs. 20,000 will be deducted from your account.
Please press 1 to proceed with payment: 1

Transaction complete! Remaining balance in your account is Rs. 80,000

Thank you for choosing S&N Tours 'n' Travels! We wish you a happy and safe trip!

Please press 1 to proceed with payment: 1

Transaction complete! Remaining balance in your account is Rs. 80,000

Thank you for choosing S&N Tours 'n' Travels! We wish you a happy and safe trip!

To check the status and details of a previously purchased package, please press 1.
To close the application, please press 2.

Please enter your decision here: 1

Your name: Amit
Mobile number: 57483752958

Place: Dubrovnik, Croatia
Hotel: Braavos Resorts
Dates: 01/02/2022-08/02/2022

Booking successfully done. Enjoy your trip!

...Program finished with exit code 0
Press ENTER to exit console.
```

DECLARATION:

We hereby declare that the project entitled “TOURISM MANAGEMENT SYSTEM” is an outcome of our own efforts under the guidance of Dr. Vijay Vasanth and is authentic to the best of our knowledge. This project is being submitted to the faculty of Programming for Problem Solving, SRM Institute of Science and Technology. This project is an original work and has not been submitted to any other university or institute for the award of any degree or diploma.