



Ahsanullah University of Science and Technology (AUST)
Department of Computer Science and Engineering

RESORT ADMINISTRATION

Final Project Report

Course No: CSE 2100

Course Title: Software Development Lab II

Submitted To-
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Submitted By-

Group no. – 08
Section – A2

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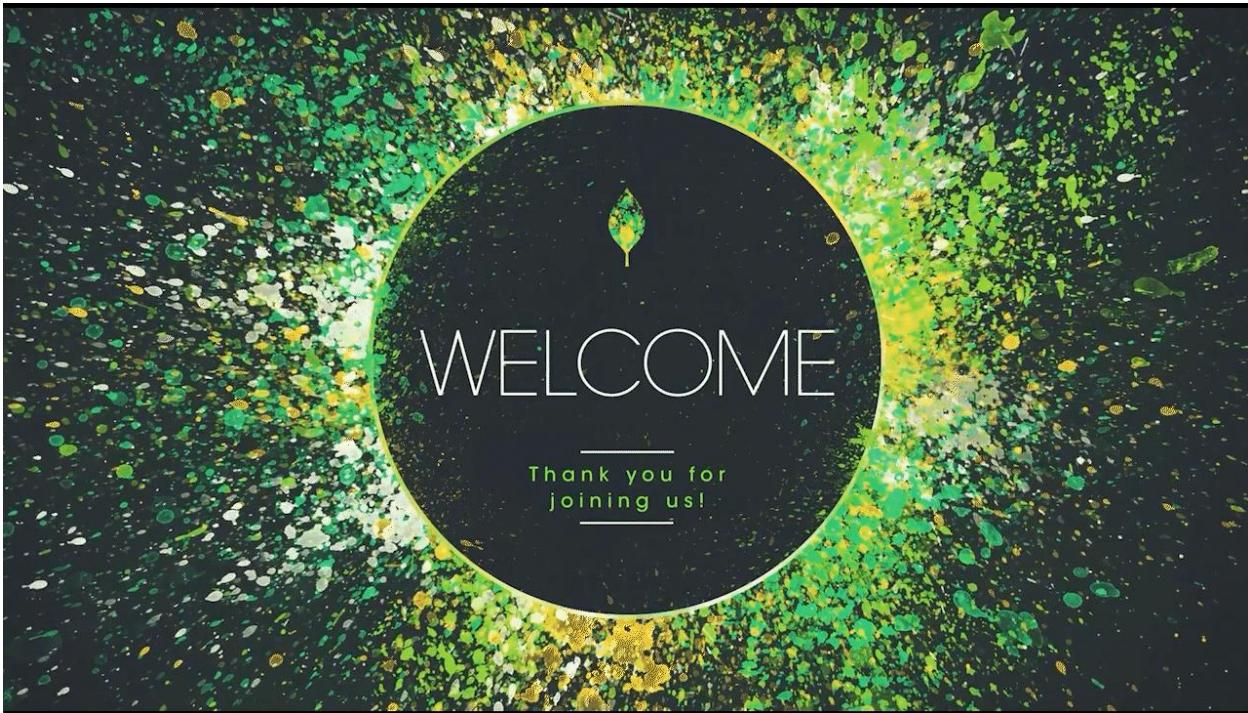
Year- 2nd
Semester-1st
Department-CSE

Resort Administration

Introduction:

“Resort Administration” is a resort management software for monitoring and controlling features of a resort. We developed our project in NetBeans 8.2 and MySQL. This software mainly focuses on the basic requirements of any resort as well as some key features like the facility of customer login and facility administrative login. New customers can easily open a user account after filling up a registration form provided with a username and password. Customers must log in or sign up in order to access all the features. After that, they can see the list of rooms, resorts, tours, etc in our resort. A customer will have the opportunity to get a gym pass, withdraw money from his bank account, book a destination for traveling, and request emergency medical assistance. By administrative login, admins can keep track of the whole resort system. Admins will have access to register customers, update details, and view customer profiles. There will be a review option for the customers to suggest anything about the resort to improve. Reviews later can be observed by the admins. Overall, the objective of this project is to provide a friendly environment to the customers. And also, the staff working at the resort maintain it in the best way possible and help reduce human efforts.

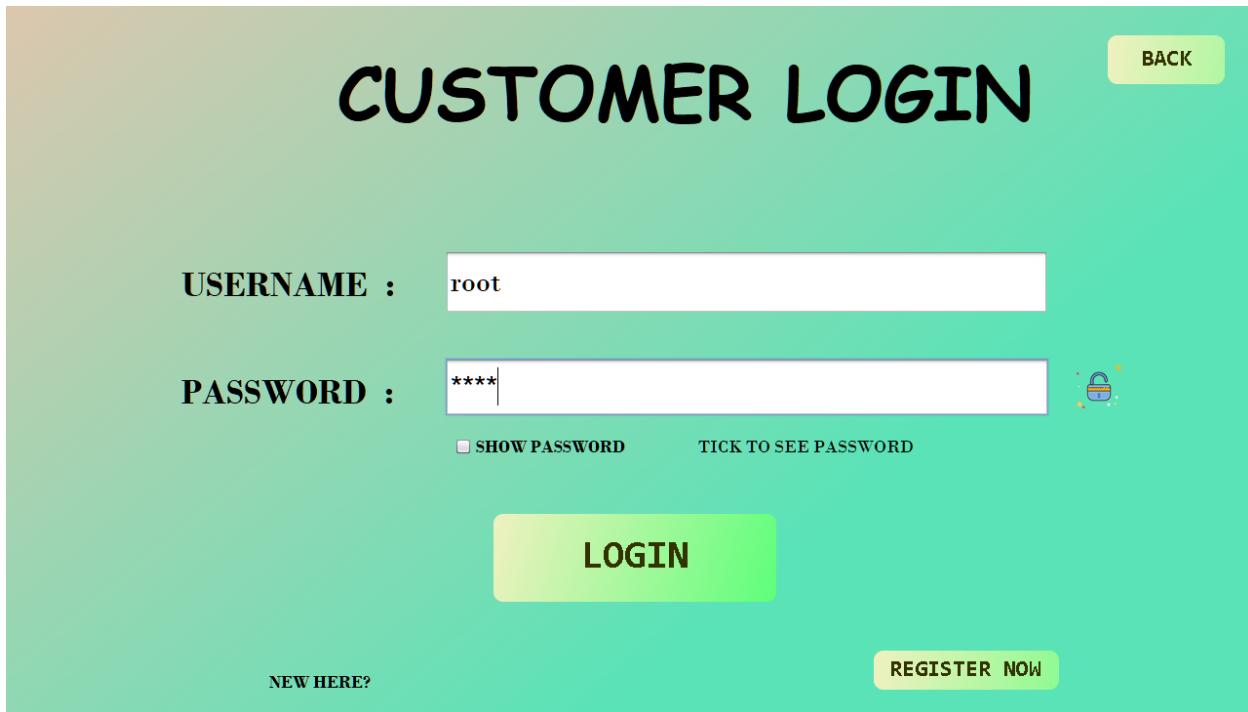
Identification of functional requirements:



A login screen with a gradient background from yellow to light blue. At the top, the word "LOGIN" is displayed in large, bold, black letters. In the top right corner, there is a "BACK" button. Below the title, there are two images: one showing a male and female receptionists at a desk, and another showing a man and woman walking through a hotel lobby. At the bottom, there are two buttons: a green "ADMIN" button on the left and a green "CUSTOMER" button on the right.

- **User Login:**

This feature will give users the ability to access the system. A Username and Password are needed to sign into the system. For signup, some information is necessary with a Username and Password. Only verified users can enter the system if those credentials match. If the Username or Password does not match, no one will be able to enter the system and asked to give the proper credentials. User login will allow a customer to access all the features the resort has to offer.



ID CARD

BACK

FIRST NAME : MD Musaddique Ali
LAST NAME : Erfan
ADDRESS : 465/12
E-MAIL : erfanali@gmail.com
MOBILE No. : 01793515517
CREDIT CARD : BAN135824
GENDER : MALE



NATIONALITY : Bangladeshi
PASSPORT No. : BBQ13696
PHONE No. : 01303343493
CARD PIN : 1234
USERNAME : root
PASSWORD : root

CONFIRM

WELCOME TO TEMPA RESORT

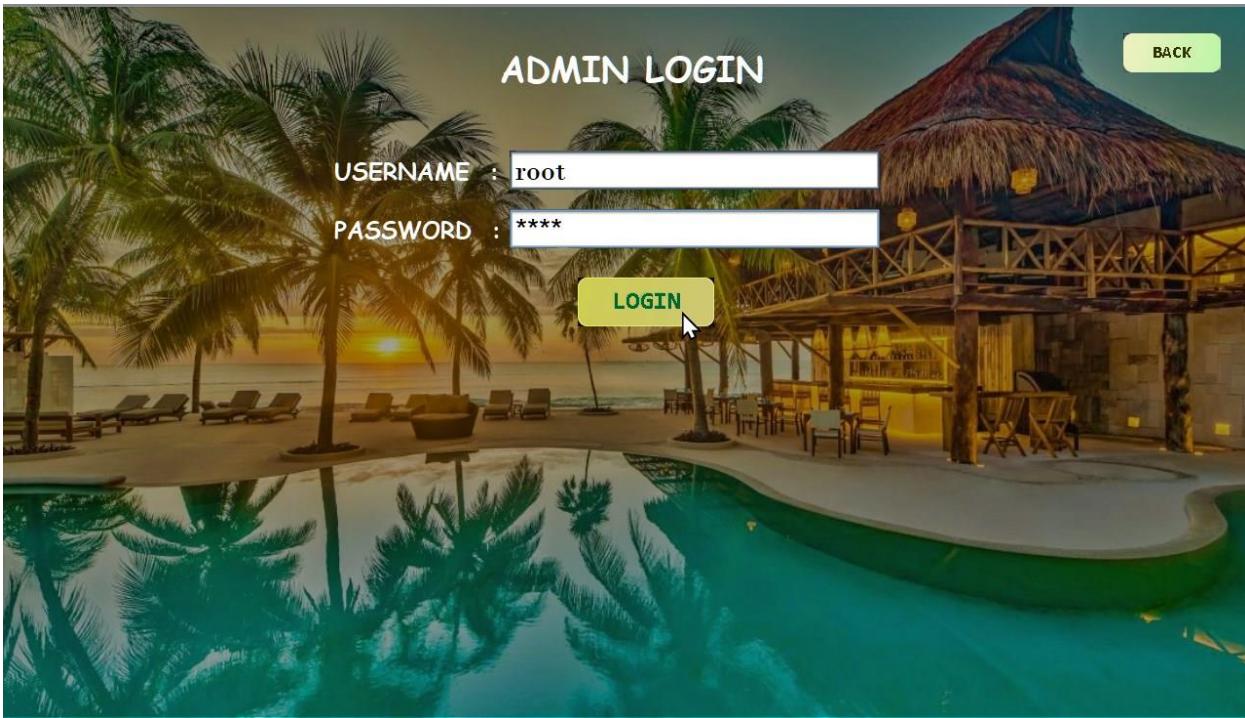
BACK



ENTER

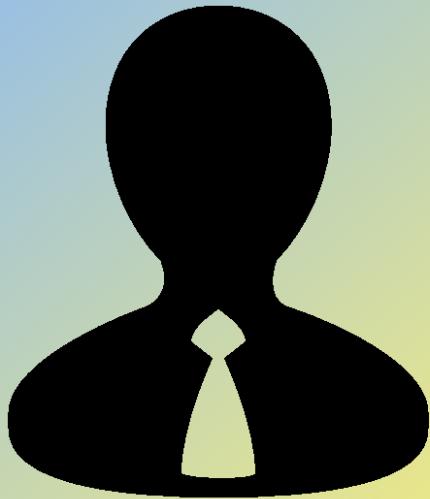
- **Administrative Login:**

This feature allows administrative personnel to log in to the system by providing a username and password. After the verification, the admin will be able to access the admin section of the resort. Username and password mismatch will restrict someone from entering the admin section. Through administrative login, an admin can access special features which are required to manage the resort.



BACK

ADMIN CONTROL PANEL



- CUSTOMER REGISTRATIONS
- COTTAGE BOOKINGS
- VENUE BOOKINGS
- TOUR BOOKINGS
- REQUESTED GYM PASSES
- WITHDRAWN MONEY
- REQUESTED HEALTH SUPPORT
- CHECKOUTS

BACK

CHECKOUTS

USERNAME	REVIEW	TOTAL BILL	CHECKOUT TIME
root	Nice Place	274000	2022-09-07 05:18:23.47
root	Very Cozy	274000	2022-09-07 05:28:48.0
root	budget friendly	489000	2022-09-07 07:23:30.16
root	will be back soon!	0	2022-09-07 07:54:58.84

SEARCH

[BACK](#)

REQUESTED GYM PASSES

USERNAME	DATE RESERVED	STARTING TIME	ENDING TIME
root	3922-09-23	23:00:00	14:30:00
tabia	2022-09-23	11:35:00	01:03:00
tabia	2022-09-23	23:11:00	13:01:00
tabia	2022-08-23	23:11:00	01:01:00
root	2022-08-22	17:00:00	07:30:00
root	2022-09-08	12:02:00	13:36:00

[SEARCH](#)[DELETE](#)[BACK](#)

CUSTOMER REGISTRATIONS

ID	FIRST NAME	LAST NAME	ADDRESS	NATIONALITY	EMAIL	PASSPORT	MOBILE	PHONE	USERNAME	PASSWORD	CREDIT CA...	CARD PIN	GENDER
2	2	2	2	2	2	2	2	2	2	2	2	2	MALE
4	MD Mu...	Erfan	465/12	Banglad...	erfanali...	BBQ136...	017935...	013033...	root	root	BAN135...	1234	MALE
5	Tabia	Morshed	Dhaka	Banglad...	Tabiam...	0234	019544...	018754...	tabia	123	0234	123	FEMALE
7	1	1	1	1	1	1	1	1	1	1	1	1	MALE
8	54	5	2	4	3	4	3	35	5	5	3	4	FEMALE
9	54	5	2	4	3	4	3	35	5	5	3	4	FEMALE
10	54	5	2	4	3	4	3	35	5	5	3	4	FEMALE
11	daf	df	fd	aafa	fsdaf	dfaf	afaf	asdfasdf	4	4	dfa	asdf	MALE

[SEARCH](#)[DELETE](#)

MONEY WITHDRAWS

[BACK](#)

USERNAME	AMOUNT
root	1000
root	50,000
root	2
root	10000
root	50000
root	12000
root	10000

[SEARCH](#)[DELETE](#)

HEALTH SUPPORT REQUESTS

[BACK](#)

USERNAME	TIME REQUESTED
root	2022-08-23 14:45:43.59
tabia	2022-08-23 03:38:14.51
tabia	2022-08-23 15:00:43.17
root	2022-09-05 03:37:51.98
root	2022-09-05 11:41:20.8
tabia	2022-09-06 16:15:28.47
root	2022-09-07 05:05:55.78
root	2022-09-07 07:22:57.82

[SEARCH](#)[DELETE](#)

- **Customer Registration:**

This feature allows anyone to create an account for using the resort facilities. This option will be available at the very beginning of our program. New customers will have to fill out a registration form in order to create an account. After providing the required information, he/she will gain access to the system.

CUSTOMER REGISTRATION

FIRST NAME : Asif

ADDRESS : Ban

E-MAIL : Ban

MOBILE No. : 013

USERNAME : asif

CREDIT CARD : 123

GENDER : MALE FEMALE

LAST NAME : Rahman

NATIONALITY : Ban

PASSPORT No. : Ban

PHONE No. : 017

PASSWORD : asif

CARD PIN : 123



CUSTOMER REGISTRATION

FIRST NAME : Asif

ADDRESS : Ban

E-MAIL : Ban

MOBILE No. : 013

USERNAME : asif

CREDIT CARD : 123

GENDER : MALE FEMALE

LAST NAME : Rahman

NATIONALITY : Ban

PASSPORT No. : Ban

PHONE No. : 017

PASSWORD : asif

CARD PIN : 123

Save

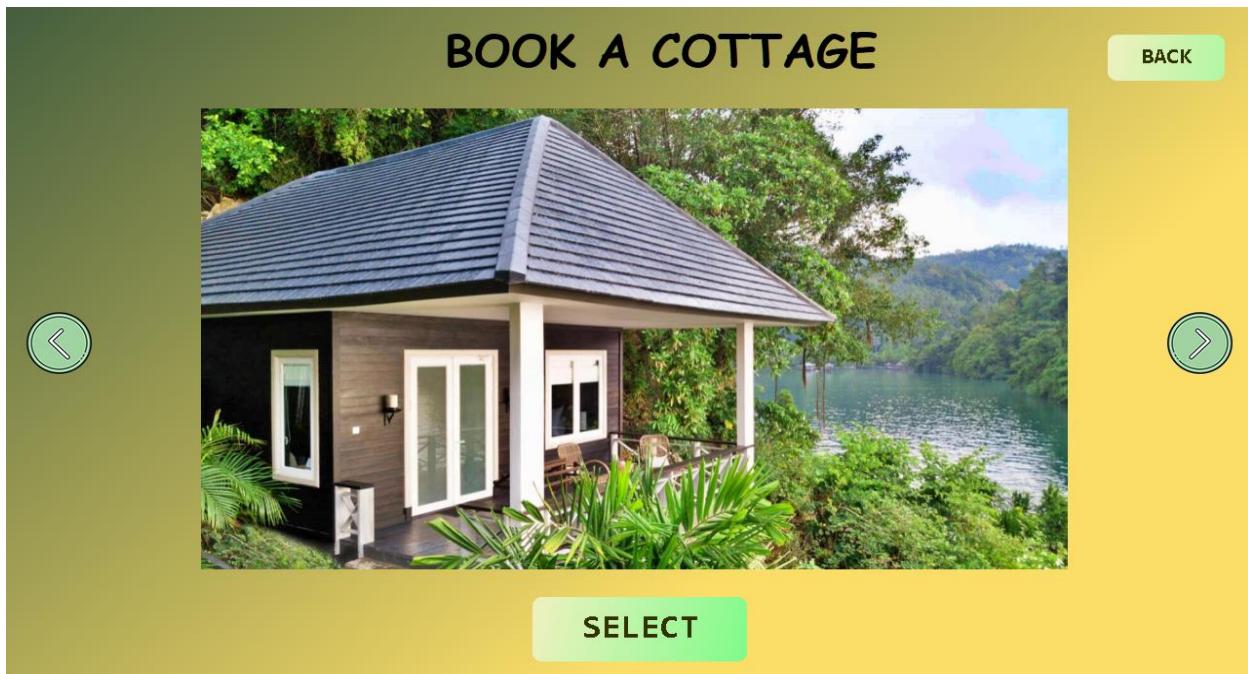
Look In:

File Name:

Files of Type:

- **Book A Cottage:**

This feature allows customers to book available room(s) in the resort. They will be able to see how the room looks and the features that come along with the room. There will be different categories for selection.



TWIN BEDS

BACK



SELECT

DOUBLE BED

BACK



SELECT

LUXURY VILLA

BACK



SELECT

PRIME VILLA

BACK



SELECT

VIP BEDROOM

BACK



SELECT

CONFIRM YOUR COTTAGE

BACK

PACKAGE NAME : **VIP BEDROOM**

PRICE : **22,000 BDT**

SPECIFICATIONS : **ONE DOUBLE BED**

BREAKFAST INCLUDED

PRIVATE POOL

CONFIRM

- **Book Venue:**

This feature allows a customer to book the whole/part of the resort for a function. They can choose the facilities they want to use that resort has to offer.

FULL RESORT



BACK

ENTER

A circular arrow icon with a left-pointing arrow is on the left, and a circular arrow icon with a right-pointing arrow is on the right.

CONFIRM YOUR VENUE

BACK

PACKAGE NAME :	HALF RESORT
PRICE :	40,000 BDT
SPECIFICATIONS :	FIFTEEN COTTAGES BREAKFAST INCLUDED POOL INCLUDED

CONFIRM

CONFIRMED VENUE

BACK

PACKAGE NAME : HALF RESORT

PRICE : 40,000 BDT

SPECIFICATIONS : FIFTEEN COTTAGES

BREAKFAST INCLUDED

POOL INCLUDED

BOOK VENUE

BACK



SELECT

POOL COTTAGE

BACK



ENTER

HILL COTTAGE

BACK



ENTER

LAKE COTTAGE

BACK



ENTER

HALF RESORT

BACK



ENTER

- Book Tour:

Our resort also provides transport and tour guides. This feature allows customers to book transport and escort if they want to travel to any destination.

CONFIRMED TOUR

BACK

CAR 	SUV 	BUS 
CARS: 1	SUVs: 0	BUSES: 0
SPEED BOAT 	YATCH 	DESTINATION MOUNTAIN PACKAGE: 1 AMOUNT 151000 BDT
SPEED BOATS: 2	YACHTES: 1	

BOOK TOUR

BACK

< >



SELECT

FOREST

BACK



ENTER

BEACH

BACK



ENTER

TOWN

BACK



ENTER

ISLAND

BACK



ENTER

MOUNTAIN

BACK



ENTER

WHITE PEARL ISLAND

BACK



SELECT

BRIDGE FOREST

BACK



SELECT

MOUNTAIN RIDGE

BACK



SELECT

SELECT VEHICLE

BACK

CAR



1
SPEED BOAT



2

SUV



0
YATCH



1

BUS



0

AMOUNT

151000 BDT

CONFIRM

• Get Gym Pass:

This feature allows customers to get a gym pass for a specific time. If someone wants to work out at the resort gym, they have to request a gym pass. Then they will have a time slot reserved in the gym for them.

GET GYM PASS

BACK



SELECT

GET GYM PASS

BACK

DATE : / /

STARTING : : AM PM

ENDING : : AM PM

ENTER

- **Withdraw Money:**

This feature allows customers to withdraw money from their bank accounts. They can log on to their account for withdrawing money and collect it from the resort booth.

WITHDRAW MONEY

BACK

ENTER AMOUNT : 10000

CARD PIN

: 1



ENTER

WITHDRAW MONEY

BACK



SELECT

- **Request Health Support:**

This feature allows customers to request medical assistance in case of an emergency. A duty doctor will check up on the customer in need. The local hospital will be alerted if necessary.

HEALTH SUPPORT

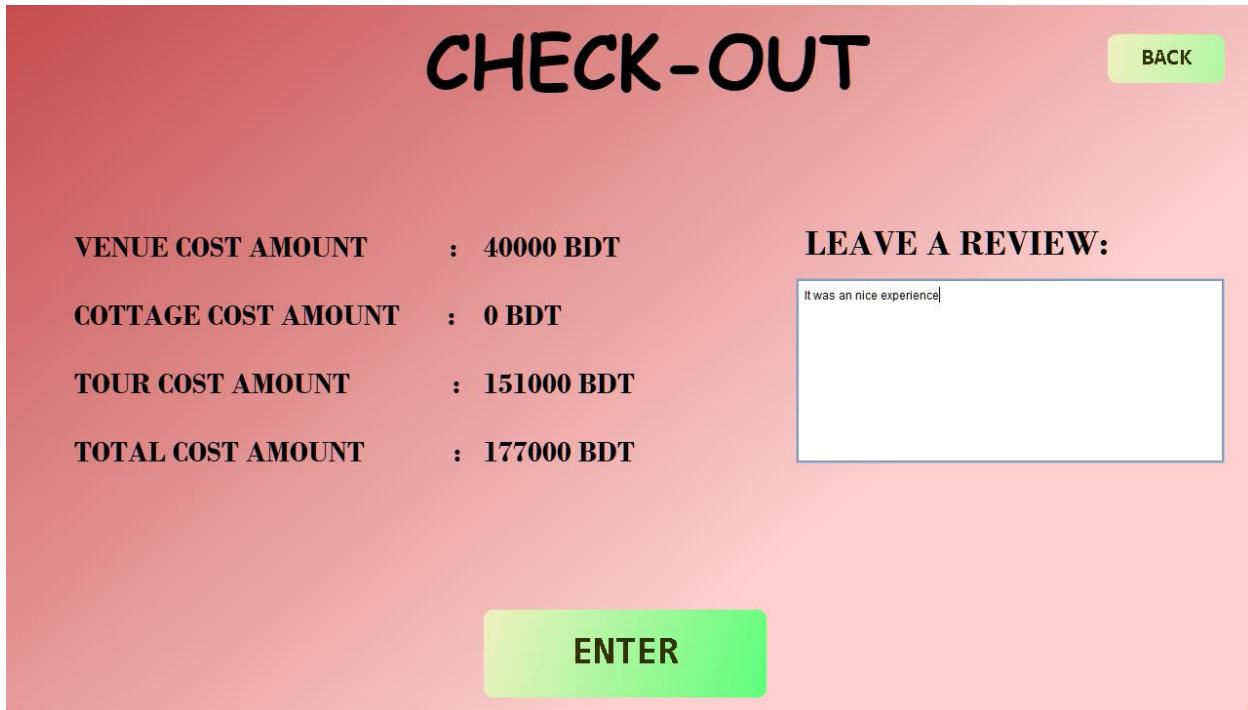
BACK



SELECT

- **Rating Resort:**

This feature allows the customers to give our resort a rating based on their experience. The ratings will be public so that new customers can see their reviews. Administrative personnel will check the reviews daily to improve resort facilities.



Obstacles while working on the project:

- Faced difficulties while choosing the GUI between Java swing and JavaFX
- Faced difficulties while working with MSQL because it took some time to get used to it
- Faced difficulties to re-design the whole project when the course teacher did not approve the first design
- Faced difficulties to generates new ideas as it is not similar to other management systems

Differences between proposal and project:

We dropped two features (Order Food & Grocery and Issue Book) according to our course teacher's opinion as it does not go with our project.

Software and tools used:

- Java Swing
- NetBeans 8.2
- MySQL Work Bench
- VS Code
- Adobe Photo Shop
- Adobe Premiere Pro
- Git
- GitHub

Conclusion:

As technologies and management are so important in our day-to-day life, it is essential to make a combined application to help humans. Our goal in making this project is to help an admin and customers of a resort to access the pieces of information, use the facilities and maintain strict security. It will also save the time of both admin and customer.

The admin can also get updates from the customers and knowledge about improvements.