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TEST REPORT

2023

Test Plan: Hotel Management System

Test Environment:

System: Hotel Management System

Version: 2.0

Test Date: June 9, 2023

Test Summary:

The test plan was executed to validate the functionalities of the Hotel Management System. The test plan covered various user scenarios and tested different features, including login, updating hotel information, generating reports, adding, and updating employees, managing rooms, booking rooms, registering accounts, and performing check-in and check-out operations. The test plan aimed to verify the system's behavior, identify any defects, and ensure that the system functions as expected.

Test Results:

Test Case TC-01:

Name: Users logs in system

Pre-condition: Users must have their own account

Test Data: Username: Himal1, Password: password

Expected Result: Successfully logged into the system

Actual Result: Pass

Test Case TC-01. A:

Name: User login with invalid credential

Pre-condition: Users must have their own account

Test Data: Username: Andreas, Password: pass

Expected Result: Invalid username or password

Actual Result: Pass

Test Case TC-02:

Name: Update Hotel information

Pre-condition: User must be a hotel owner

Test Data: Contact Number: 0686116079, Email: aryal@gmail.com, Description: Star Hotel, Total room: 300, Address Line: North Brabant, Street: Beukenlaan, City: Eindhoven, Zip: 5616VC, Country: Netherlands

Expected Result: System will update information in the database and display the message "Successfully updated"

Actual Result: Pass

Test Case TC-02. A:

Name: Updating with false information

Pre-condition: User must be a hotel owner

Test Data: Contact Number: 123, Email: hello, Description: Star Hotel, Total room: 300, Address Line: North Brabant, Street: Beukenlaan, City:, Zip: 5616V, Country: Netherlands

Expected Result: System will display the message "All fields must be filled”, invalid email address, phone number should have 10 digits.

Actual Result: Pass

Test Case TC-03:

Name: Generate Reports

Pre-condition: User must have owner privileges

Test Data: User input date range from 2023/01/01 to 2023/01/30

Expected Result: Report will be visible with data if available

Actual Result: Pass

Test Case TC-03. A:

Name: Generate Reports

Pre-condition: User must have owner privileges

Test Data: User input date range from 2022/01/01 to 2022/01/30

Expected Result: Report not found

Actual Result: Pass

Test Case TC-04:

Name: Add Employee

Pre-condition: User must have Manager privileges

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 0686116079, City: Eindhoven, Postal Code: 5616vc, Street: Beukenlaan, Country: Netherlands, Designation: manager/staff/intern, Joining Date: 2023/08/02

Expected Result: System will display the message "Employee added successfully"

Actual Result: Pass

Test Case TC-04. A:

Name: Add Employee with false information

Pre-condition: User must have Manager privileges

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 1234, City, Postal Code: 5616v, Street: Beukenlaan, Country: Netherlands, Designation: , Joining Date: 2023/08/02

Expected Result: System will display the message "All fields must be filled" or invalid phone number, and a designation should be selected for the employee

Actual Result: Pass

Test Case TC-05:

Name: Update Employee

Pre-condition: User must have Manager privileges

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 0686116079, City: Eindhoven, Postal Code: 2616vc, Street: Gestelstraaat, Country: Netherlands, Designation: manager/staff/intern, Joining Date: 2023/08/02

Expected Result: System will display the message "Employee updated successfully"

Actual Result: Pass

Test Case TC-05. A:

Name: Update Employee with false info

Pre-condition: User must have Manager privileges

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 123, City: Eindhoven, Postal Code: 5616v, Street: Country: Netherlands, Designation: manager/staff/intern, Joining Date: 2023/08/02

Expected Result: System will display the message "All fields must be filled" or invalid phone number

Actual Result: Pass

Test Case TC-06:

Name: Add Room

Pre-condition: User must have Manager privileges

Test Data: Room Number: 101A, Room Type: Single, Available: Yes/No

Expected Result: System will display the message "Room added successfully"

Actual Result: Pass

Test Case TC-06. A:

Name: Add Room with incomplete info

Pre-condition: User must have Manager privileges

Test Data: Room Number: Room Type: Available: Yes/No

Expected Result: System will display the message "All fields must be filled”, please input room number, please select a room type

Actual Result: Pass

Test Case TC-07:

Name: Update Room

Pre-condition: User must have Employee privileges

Test Data: Room Id: 1, Room Number: 101A, Room Type: Single, Available: Yes/No

Expected Result: System will display the message "Room updated successfully"

Actual Result: Pass

Test Case TC-07. A:

Name: Update Room with false info

Pre-condition: User must have Employee privileges

Test Data: Room Id: 1, Room Number: Room Type: 1, Available: Yes/No

Expected Result: System will display the message "All fields must be filled" or invalid user input

Actual Result: Pass

Test Case TC-08:

Name: Add Booking

Pre-condition: User must have Employee privileges

Test Data: Check in Date: 2023/09/09, Check Out Date: 2023/09/11, Booking Amount: 100

Expected Result: System will display the message "Booking added successfully"

Actual Result: Pass

Test Case TC-08. A:

Name: Add Booking with false info

Pre-condition: User must have Employee privileges

Test Data: Check in Date: 2023/09/09, Check Out Date: 2023/09/06, Booking Amount:

Expected Result: System will display the message "checkout must be greater than the start date”, please calculate the total booking amount first

Actual Result: Pass

Test Case TC-09:

Name: Update Booking

Pre-condition: User must have Employee privileges

Test Data: Check in Date: 2023/09/09, Check Out Date: 2023/09/11, Booking Amount: 100

Expected Result: System will display the message "Booking updated successfully"

Actual Result: Pass

Test Case TC-09. A:

Name: Update Booking with false info

Pre-condition: User must have Employee privileges

Test Data: Check In Date: Check Out Date: Booking Amount:

Expected Result: System will display the message "All fields must be filled"

Actual Result: Pass

Test Case TC-10:

Name: Register an account

Pre-condition: User should not have an account yet

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 0686116079, Passport Number: 2787, City: Eindhoven, Postal Code: 5616vc, Street: Beukenlaan, Country: Netherlands, Username: himal7, Password: pass

Expected Result: System will display the message "Account created successfully”

Actual Result: Pass

Test Case TC-10. A:

Name: Registering an account

Pre-condition: User already has an account with the same email and username

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 0686116079, Passport Number: 2787, City: Eindhoven, Postal Code: 5616vc, Street: Beukenlaan, Country: Netherlands, Username: himal7, Password: pass

Expected Result: System will display the message "Email already exists" or "Username already exists"

Actual Result: Pass

Test Case TC-11:

Name: Update account information

Pre-condition: User must have a registered guest account

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 0686116079, Passport Number: 2787, City: Eindhoven, Postal Code: 5616vc, Street: Beukenlaan, Country: Netherlands

Expected Result: System will display the message "Account info updated successfully"

Actual Result: Pass

Test Case TC-11. A:

Name: Update account information with empty fields or false info

Pre-condition: User must have a registered guest account

Test Data: FirstName: Himal, Last Name: Aryal, Email: aryal@gmail.com, Phone Number: 1234, Passport Number: 2787, City: Eindhoven, Postal Code: 5616vc, Street: Beukenlaan, Country: Netherlands

Expected Result: System will display the message "All fields must be filled" or invalid phone number

Actual Result: Pass

Test Case TC-12:

Name: Book room

Pre-condition: User must have a guest account to book

Test Data: Check in Date: 2023/09/09, Check Out Date: 2023/09/11, Room Type: Single, Booking Amount: 100

Expected Result: System will display the message "Room has been successfully booked"

Actual Result: Pass

Test Case TC-12. A:

Name: Book room with missing details

Pre-condition: User must have a guest account to book

Test Data: Check in Date: 2023/09/09, Check Out Date: 2023/09/11, Room Type:

Expected Result: System will display the message "All fields must be filled"

Actual Result: Pass

Test Case TC-13:

Name: Check-in

Pre-condition: User must have a guest account and a booked room

Test Data: Room Number: 101A

Expected Result: System will display the message "Check-in successful"

Actual Result: Pass

Test Case TC-13. A:

Name: Check-in with an invalid room number

Pre-condition: User must have a guest account and a booked room

Test Data: Room Number:

Expected Result: System will display the message "Invalid room number"

Actual Result: Pass

Test Case TC-14:

Name: Check-out

Pre-condition: User must have a guest account and a checked-in room

Test Data: Room Number: 101A

Expected Result: System will display the message "Check-out successful"

Actual Result: Pass

Test Case TC-14. A:

Name: Check-out with an invalid room number

Pre-condition: User must have a guest account and a checked-in room

Test Data: Room Number:

Expected Result: System will display the message "Invalid room number"

Actual Result: Pass

Overall Test Result: Pass

Summary:

The Hotel Management System has successfully passed all the test cases, covering various scenarios and functionalities. The system behaved as expected, with no critical defects found during testing. The test plan validated the login process, hotel information updates, report generation, employee management, room management, booking operations, account registration and updates, check-in, and check-out processes. The system meets the expected requirements and functionality defined in the test plan.