Daffodil International University (DIU)

Department OF Software Engineering (SWE)

PROJECT NAME: HOSTEL MANAGEMENT SYSTEM

Course Title: System Analysis & Design project

Course Code: SE231

Submitted To:

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Use Case Description

Use case	Registration
Goal	Customers fill up the registration form and make the account. Customers interact with the system with the account.
Precondition	Customer should login by giving a username and password
Success end condition	Registration is complete.
Failed end condition	Registration is incomplete.
Primary actor: Secondary actor:	Customer, Admin
Trigger	Request for registration

Description/Main success scenario	**Step Action**
	1. Customer browses the site
	2. Selects log-in
	3. 2.1. user name
	4. 2.2. ID
	5. 2.3. request to log-in
	     select register
	     fill up information
	     Submit the information

Alternative Flows	Step Branching Action Incomplete registration.
Quality requirements	The customer should register within 30 seconds.

Use case	Login
Goal	A customer needs to log-in to the system using their corresponding user name and password.
Precondition	User has to have a valid account
Success end condition	Successfully log-in.
Failed end condition	Invalid password or user name

Primary actor: Secondary actor:	Customer, Admin
Trigger	Login button
Description/Main success scenario	Step Action 1. User ID 2. Password 3. New page with all the information regarding the User and account is shown by the system
Alternative Flows	Step branching Action 1. Customer is asked to provide valid log in password 2. Error message regarding the issues.
Quality requirements	The customer should login within 30 seconds.

Use case	**Forgot password**
Goal	Customer can easily log-in the system
Precondition	Keyword entered and select forgot password button pressed.
Success end condition	Customer can easily enter the system
Failed end condition	
Primary actor: Secondary actor:	Customer, Admin
Trigger	Request for forgot password
Description/Main success scenario	**Step Action** 1. Search the site 2. Type user ID 3. Password 4. Customer send request to the admin 5. Log-in the system
Alternative Flows	Step branching Action 1. Connection failed 2. Invalid password 3. They cannot able to entered the system

Quality requirements	The customer should confirm within 30 seconds

Use case	**Select Floor**
Goal	Customer can see all floor
Precondition	Customer should complete the registration
Success end condition	Customer select his/her room
Failed end condition	customer can't select floor
Primary actor: Secondary actor:	Customer, Admin
Trigger	Request to select floor

Description/Main success scenario	**Step Action**
	    1. Log-in
	    2. Fill up the registration information
	    3. Submit it
	    4. Open a new window
	    5. Request to select the category.

Alternative Flows	customer directly contact with admin for select floor
Quality requirements	

Use case	**Select Room Type**
Goal	customer can see and choose room
Precondition	customer should complete the registration or login first
Success end condition	customer get his/her select room
Failed end condition	customer can't search room type

Primary actor: Secondary actor:	customer, admin
Trigger	request for select room
Description/Main success scenario	step Action 1. customer request for room 2. website see to them all type of room 3. customer see the room and select his/her favourite room
Alternative Flows	customer directly contact with admin for select room
Quality requirements	

Use case	**Select Price Range**
Goal	customer can see his/her room Within certain prices
Precondition	customer need to registration or login the system first
Success end condition	customer can booking room within certain prices
Failed end condition	none
Primary actor: Secondary actor:	customer, admin
Trigger	request for select for price range
Description/Main success scenario	step action 1. customer request for see his/her room within his/her certain price 2. website see them all room within his/her certain price 3. customer see all room and select his/her certain room
Alternative Flows	customer need to contact with admin
Quality requirements	

Use case	**Room booking**
Goal	customer confirm booking his/her room in online
Precondition	customer first need to registration or login in the system
Success end condition	customer book his/her room in online
Failed end condition	customer can't booking his/her room in online
Primary actor: Secondary actor:	admin, customer
Trigger	request for online room booking
Description/Main success scenario	step action 1. request for online booking 2. then website give one virtual card to customer 3. when customer show the card to admin, admin complete his/her room booking/reservation
Alternative Flows	if website don't booked the room then customer need to contact with admin with email or number
Quality requirements	

Use case	**Receive Virtual card**
Goal	admin give virtual card or confirmation room card
Precondition	customer need to book room then website give one virtual card
Success end condition	When the customer shows this virtual card to the admin, admin complete his/her confirm his room reservation or confirmation
Failed end condition	without virtual card admin don't complete room reservation
Primary actor: Secondary actor:	customer, admin
Trigger	request for give online virtual card
Description/Main success scenario	step action 1. after online room booking website give one virtual confirmation card 2. When the customer shows this card to the admin at the hotel then admin complete his/her room reservation
Alternative Flows	step action 1. if after online room booking website don't give virtual card customer need to email to admin 2. then admin give to customer virtual card at email
Quality requirements	The customer should confirm by signature within certain time

Use case	**Admin confirmation**
Goal	customer complete or confirm his/her room reservation
Precondition	customer need to book room in online and must get the virtual card
Success end condition	customer get his/her select room
Failed end condition	customer don't get his/her select room
Primary actor: Secondary actor:	admin,customer
Trigger	request for complete or confirm room reservation
Description/Main success scenario	step action 1. after select room, price range, floor customer need to booking room in online 2. then website give one virtual card 3. then the customer shows this card to the admin at the hotel 4. admin show the card and confirm his/her room reservation 5. then admin give key of his/her select room
Alternative Flows	1. if admin don't confirm his/her reservation then customer need to reserve room directly at hotel 2. or customers again book the room in online then show the virtual card to admin at the hotel.
Quality requirements	

Use case	Details
goal	Customer can see the all payment details information
Precondition	need to at least one payment
Success end condition	Can see the all payment information
Failed end condition	Connection failed
Primary actor: Secondary actor:	Customer Bkash
Trigger	Request to see payment details
Description/Main success scenario	**Step Action** 1) Customer can send a details request 2) Bkash accept the request 3) Display the all payment details 4) Customer signs for payment
Alternative Flows	customer need to connect with admin
Quality requirements	

Use case	**Payment**
goal	Customer can pay for his/her hostel cost
Precondition	Customer should see the payment details
Success end condition	Customer can buy the hostel cost
Failed end condition	Customer has not send the money
Primary actor: Secondary actor:	Customer Bkash
Trigger	Request send to payment
Description/Main success scenario	**Step Action** 1. Customer send payment request 1. Bkash accept the customer request 2. Bkash captures customers name, address and phone number. 3. Customer send for payment verify 4. . Bkash send confirm message.
Alternative Flows	Step branching Action 1. Some incorrect information 2. Problem for paying 3. Bkash does not send confirmation message 4.The system reject the entry
Quality requirements	

Use case	**Payment verify**
goal	Customer givers payment verify information
Precondition	Customer must be paying for hostel cost
Success end condition	Payment confirm message
Failed end condition	Bkash has not send the payment verification
Primary actor: Secondary actor:	Customer Bkash
Trigger	Request to showing payment verification
Description/Main success scenario	**Step Action** 1. Customer send with a payment verification. 2. Bkash accept the request 3. Send the verification of payment 4. Customer give confirmation message
Alternative Flows	Step branching Action 1. Bkash forgot to send payment verification mail
Quality requirements	system need to send verification message within 10 seconds

Use case	**Confirm message**
goal	Customers must pay money. Then they gives a confirmation message
Precondition	Customer must be payment money
Success end condition	Customer successfully got his delivery
Failed end condition	Bkash forgot to send payment confirmation message
Primary actor: Secondary actor:	Customer Bkash
Trigger	Request to send confirmation message

Description/Main success scenario	**Step Action**
	   1. Request send to confirmation message
	   2. Bkash accept their request
	   3. Bkash send confirmation message
	   4. Display the message

Alternative Flows	Step branching Action 1. Payment transaction fails
Quality requirements	confirm message need to send within 30 second

Use case	Review
goal	Customer satisfied to hostel experience and they send review
Precondition	The customer must receive the hostel experience
Success end condition	The customer is very satisfied his/her hostel experience.
Failed end condition	The customer is not happy to his/her hostel experience. Customer send negative review
Primary actor: Secondary actor:	Customer Admin
Trigger	Request to send review

Description/Main success scenario	**Step** **Action**
	      The customer send to review request
	      Admin accept the request
	      Customer send the positive review
	       Admin can see the review

Alternative Flows	Step branching Action
	      1. The customer is not satisfy to his/her hostel experience
	      2. The customer send the negative review

Quality requirements	The customer can reply or like the review

Use case	Order food
goal	customer can order food easily
Precondition	customer first need to login the system and need to reserve the room at hotel

Success end condition	customer can order food at hotel
Failed end condition	can't order food at hotel
Primary actor: Secondary actor:	admin, customer
Trigger	request for order food
Description/Main success scenario	step action 1. after login and room reservation at hotel, request for food order 2. select his/her food 3. order the food 4. payment for food 5. then hotel stuff give food at room
Alternative Flows	customer need to directly order food at canteen or connect with admin
Quality requirements	