

Sri Lanka Institute of Information Technology



Assignment 02

<< MLB_17.01_02 >>

<< HOTEL RESERVATION SYSTEM FOR SPECIAL EVENTS >>

Software Process Modeling – IT1060

B.Sc. (Hons) in Information Technology

CASE STUDY NAME	HOTEL RESERVATION SYSTEM FOR SPECIAL EVENTS
PROJECT ID	MLB_17.01_02

Group Details:

	Student Registration Number	Student Name
1	IT22562142	BANDARA H.M.K.M.
2	IT22560544	LAKSHAN K.K.C
3	IT22561084	JEESARA K.G.N
4	IT22638540	CHATHURANGA K.K.G.
5		

I hereby certify,



The attached is my own work and no further changes will be made.



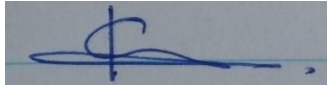
I have contributed in this assignment to the best of my ability.

And I understand,



I may be subject to student discipline processes in the event of an act of academic misconduct by me including an act of plagiarism or cheating.

Student Details

Student Name	Student Registration Number	Date	Signature
BANDARA H.M.K.M	IT22562142	28.05.2023	

Software Process Modelling - IT1060 - Assignment 2

BANDARA H.M.K.M.- IT22562142

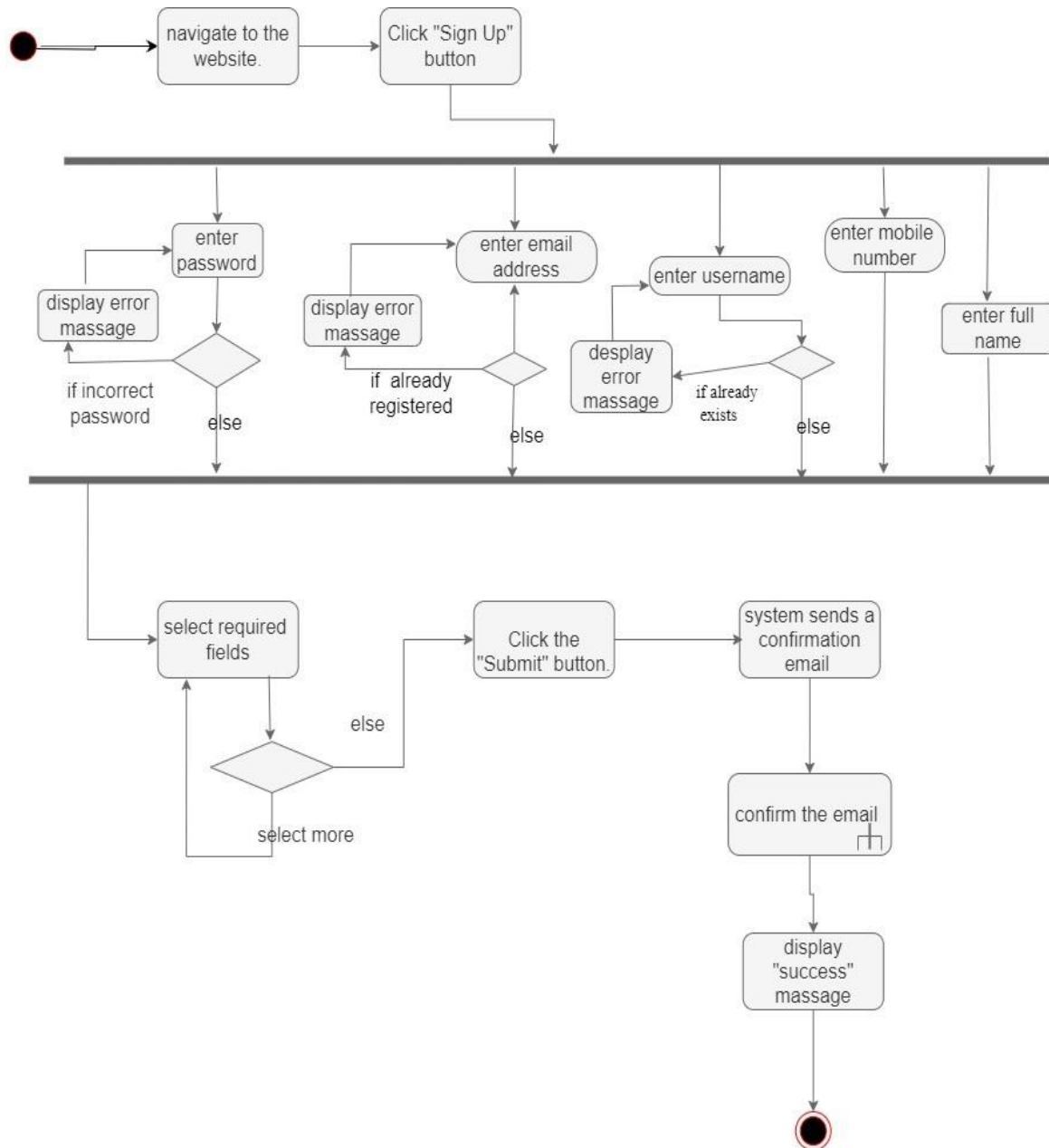
Part – 1

Use case Scenario

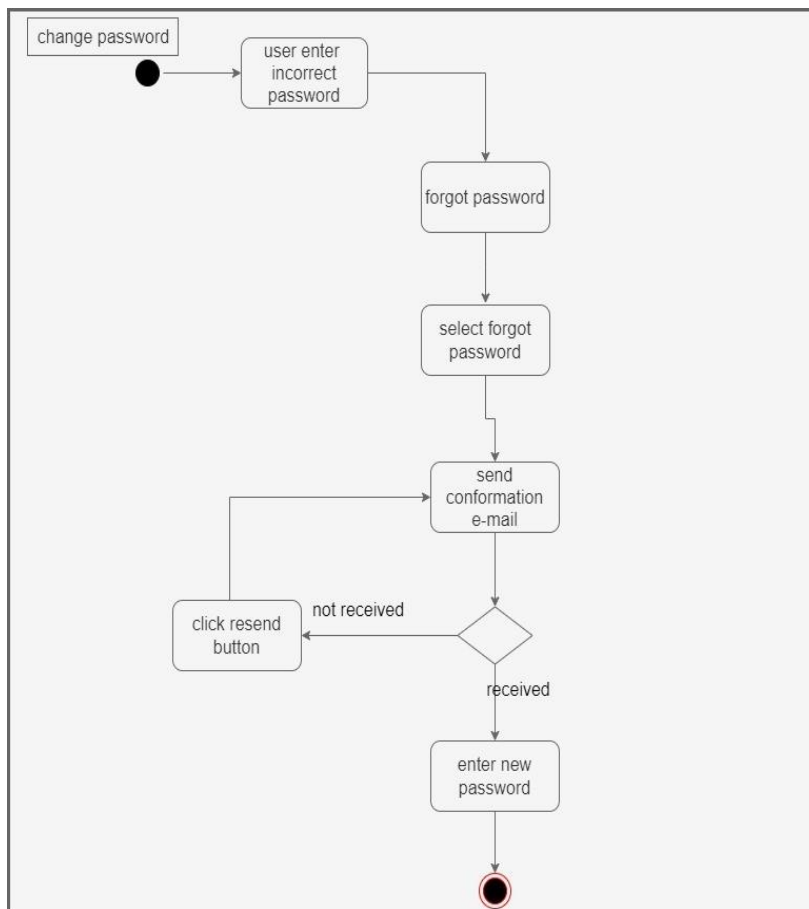
Number	01	
Name	Create an account	
Summary	Customer will create a new account on the website.	
Priority	01	
Pre-condition	Customer must visit the website.	
Post-condition	System will send a message about completion of account creation.	
Primary actor	Customer	
Trigger	Customers choose to create a new account.	
Main scenario	Step	Action
	1.	Customers navigate to the website.
	2.	Click "Sign Up."
	3.	The system asks for user information such as username, full name, email password, and phone number.
	4.	Customer enters details in the required fields.
	5	Click the "Submit" button.
	6	The system sends a confirmation email to the customer and saves the details in their system.
	7	The customer must confirm their email and phone number.
	8	The system sends an email about account confirmation and asks the customer to login again.
Extensions	Step	Branching Action
	4a	The system tells the customer that the email is already registered.
	4b	The system tells the customer that the username already exists.
	4c	The system tells the customer that the password does not meet their requirements.

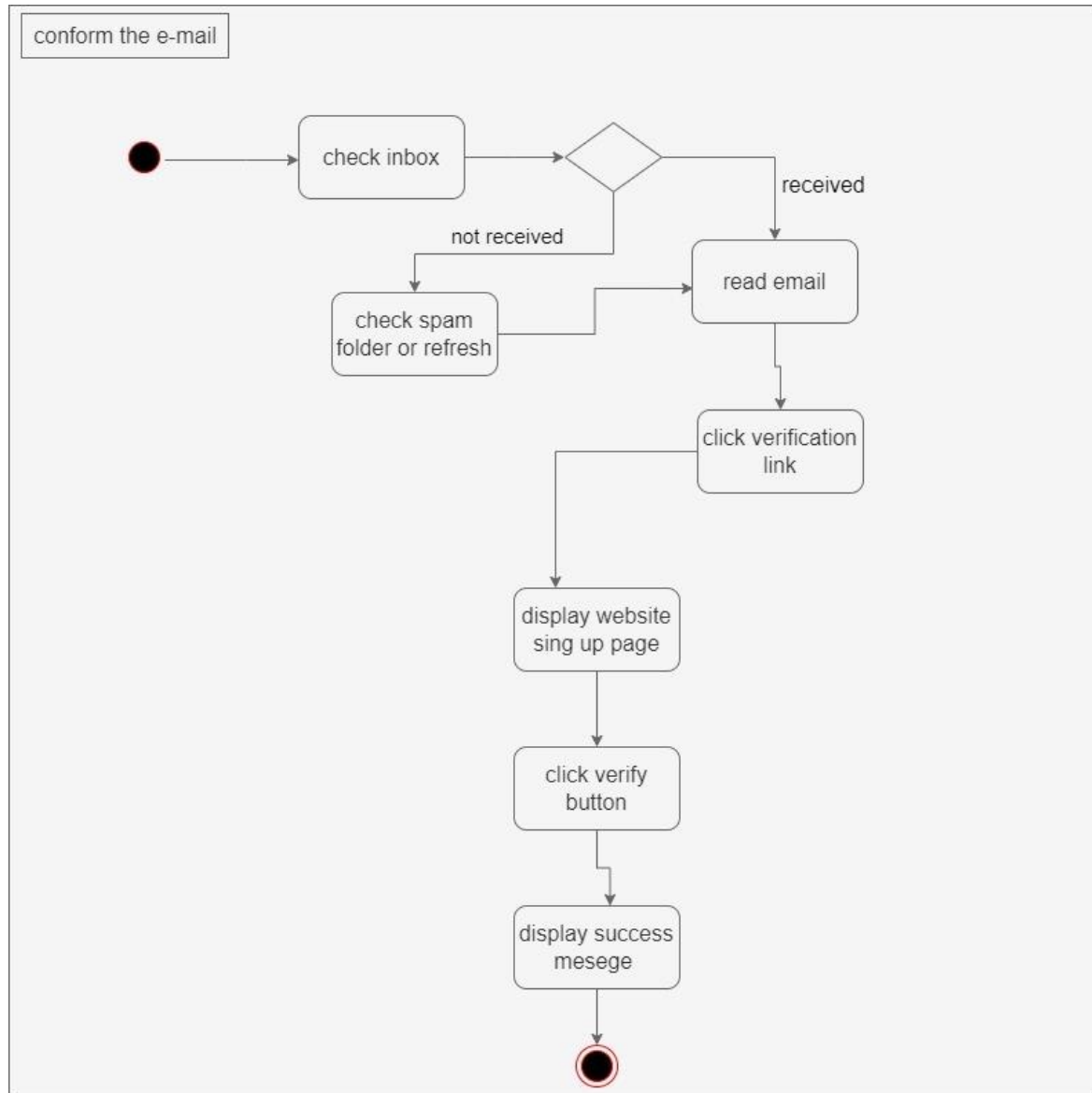
	4d	The system tells the customer that the retyped password does not match the one that was entered early.
	4e	The system tells the customer that some fields are still missing, and the customer must fill them out to proceed to the next step.
Open Issues		Should the system ask the customer to send emails about their promotions and discounts?

Activity diagram without partitioning

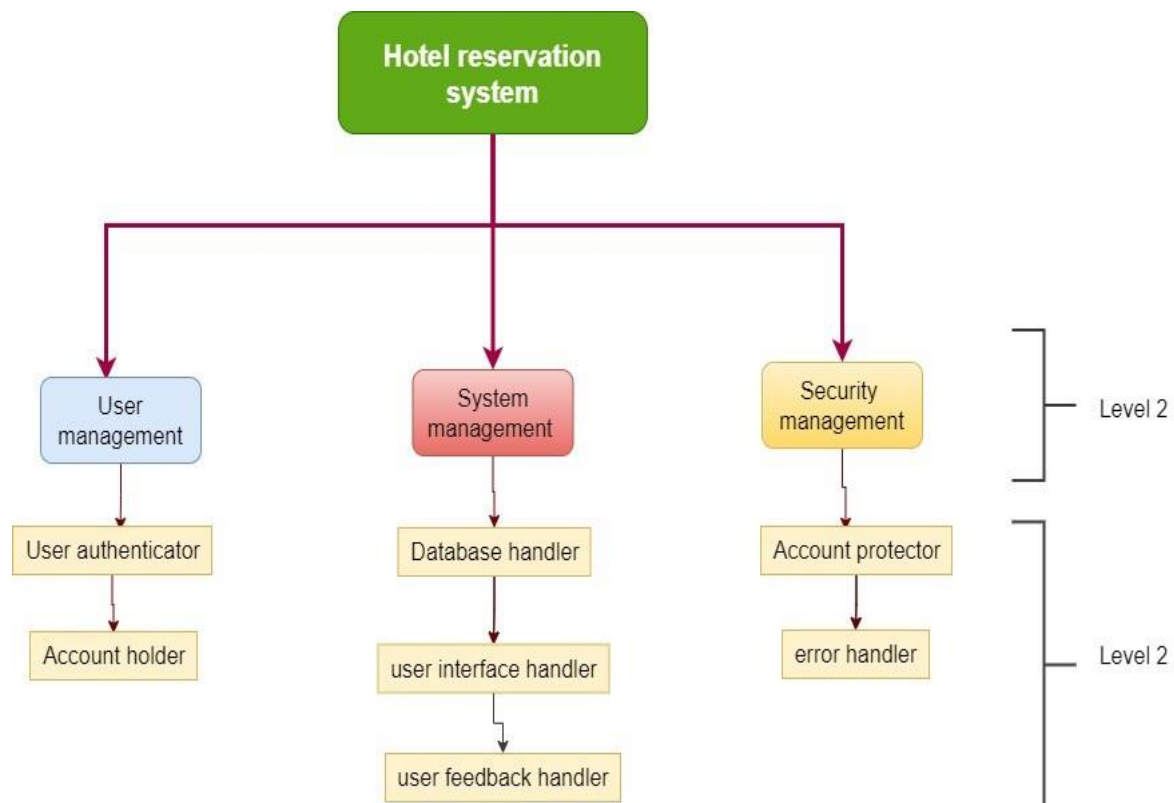


Call Actions

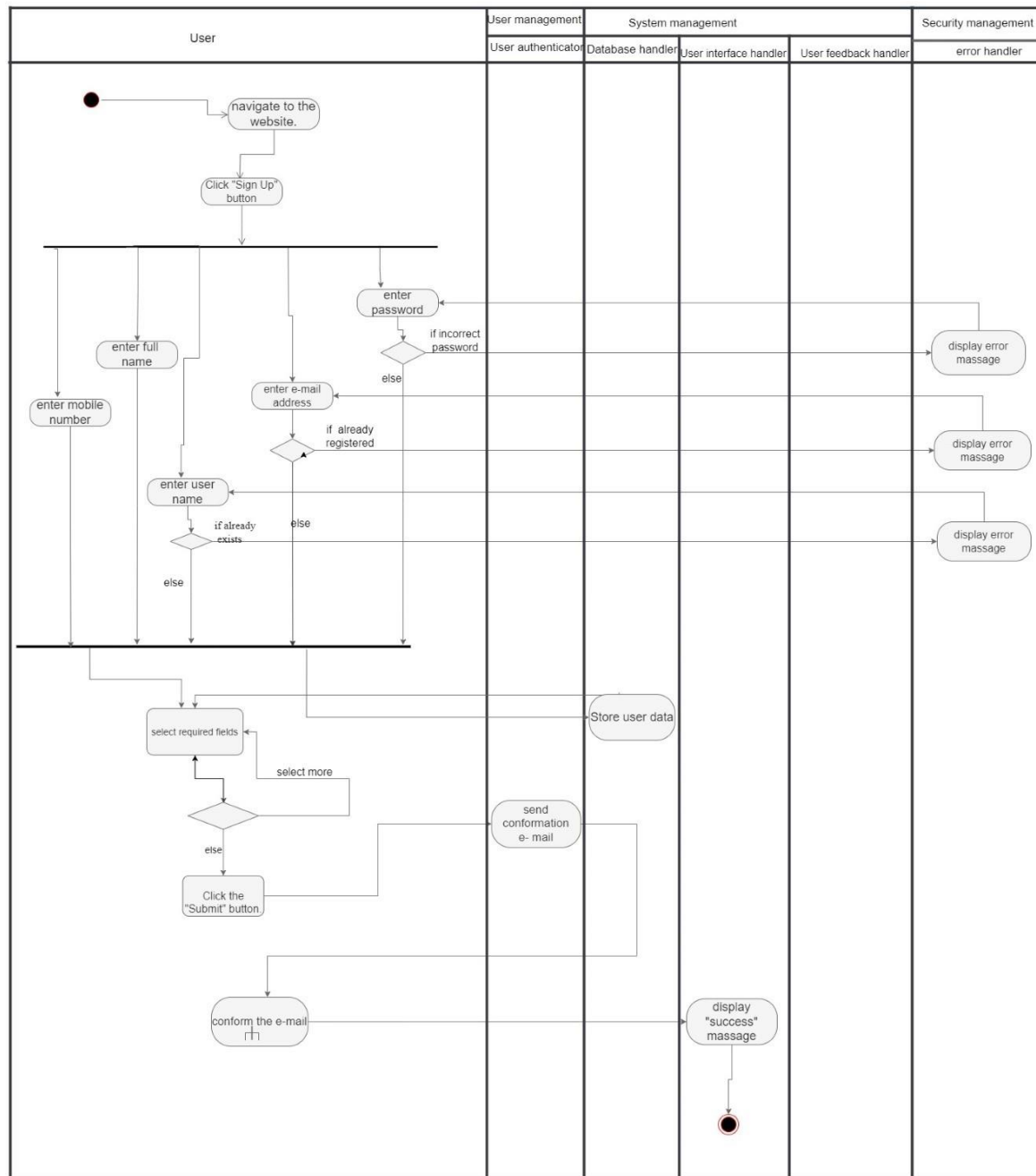




Part -2



Activity diagram with partition.



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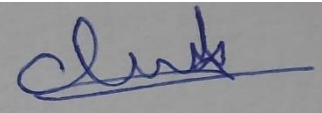
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Student Details

Student Name	Student Registration Number	Date	Signature
LAKSHAN K.K.C	IT22560544	28.05.2023	

Software Process Modelling - IT1060 - Assignment 2

Lakshan K.K.C

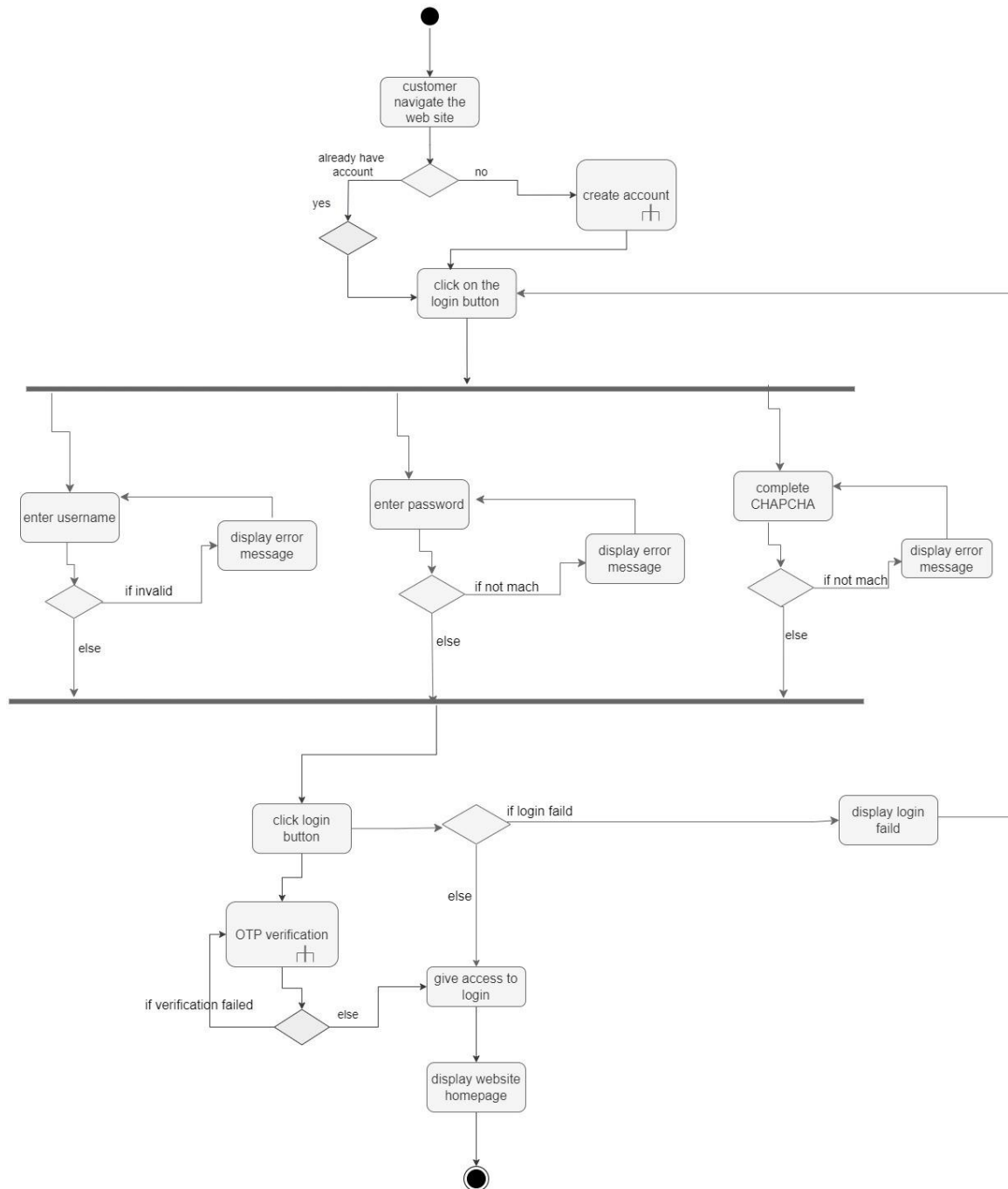
Part – 1

Use case Scenario

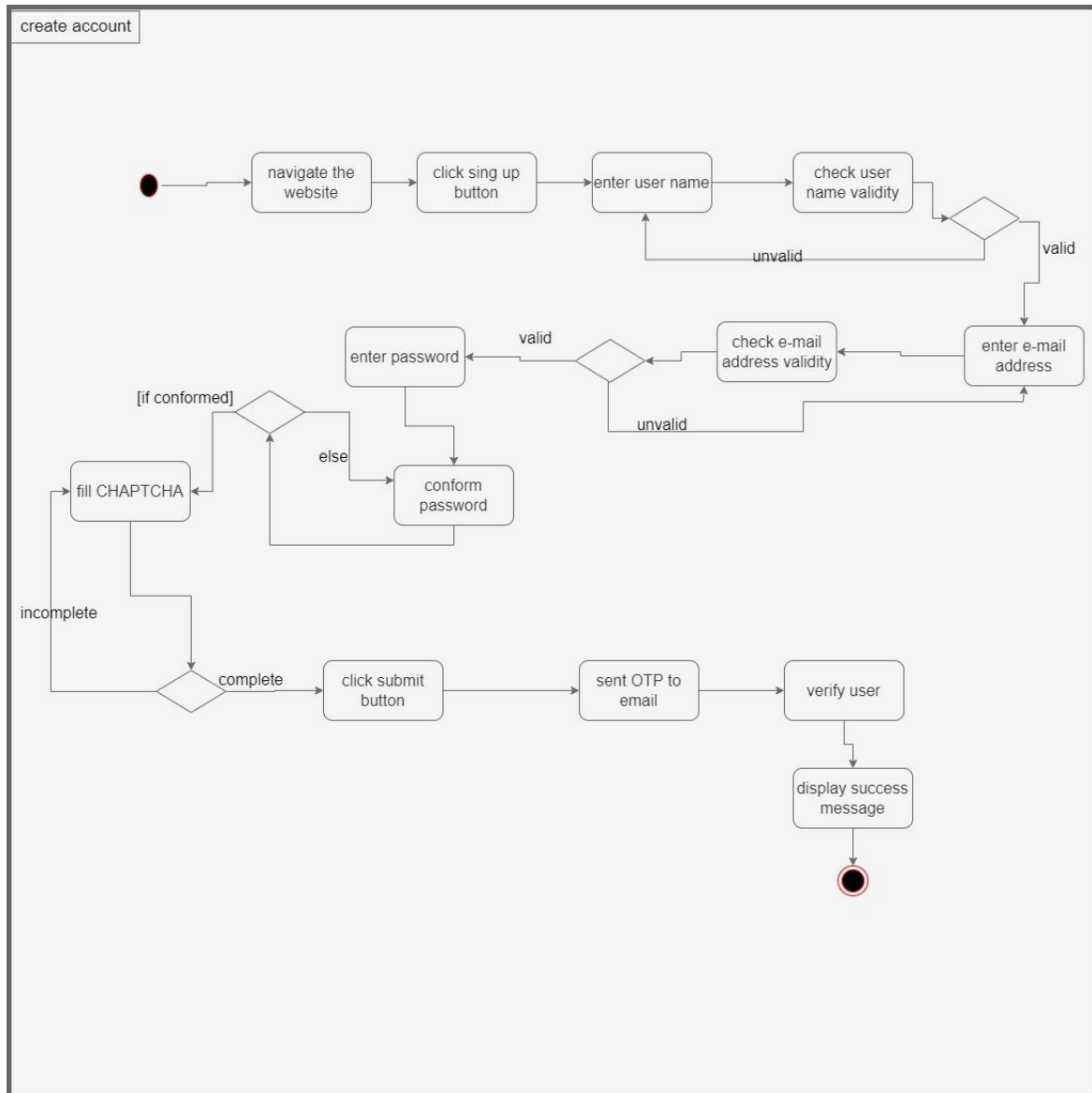
Number	02	
Name	Login	
Summary	Customer Log in to their profile.	
Priority	02	
Pre-condition	Customer must create an account	
Post-condition	Customer will gain access to the content on the website	
Primary actor	Customer	
Trigger	Customers choose to login to the system.	
Main scenario	Step	Action
	1.	Customers navigate to the website.
	2.	Customers click on the login button to gain access and enter their username and password.
	3.	Customers enter the customer's username, email, and password.
	4.	Customer complete CAPTCHA
	5	Customers click the login button.
	6	The system gives access to the customer's content on the website.
Extensions	Step	Branching Action
	3a	The system tells the customer that the username is invalid.
	3b	The system tells the customer that the username does not exist.
	3c	The system tells the customer that the username and password do not match.
	4a	The system tells the customer that the CAPTCHA was not successfully completed.
	3d	The system tells the customer that the password is invalid.

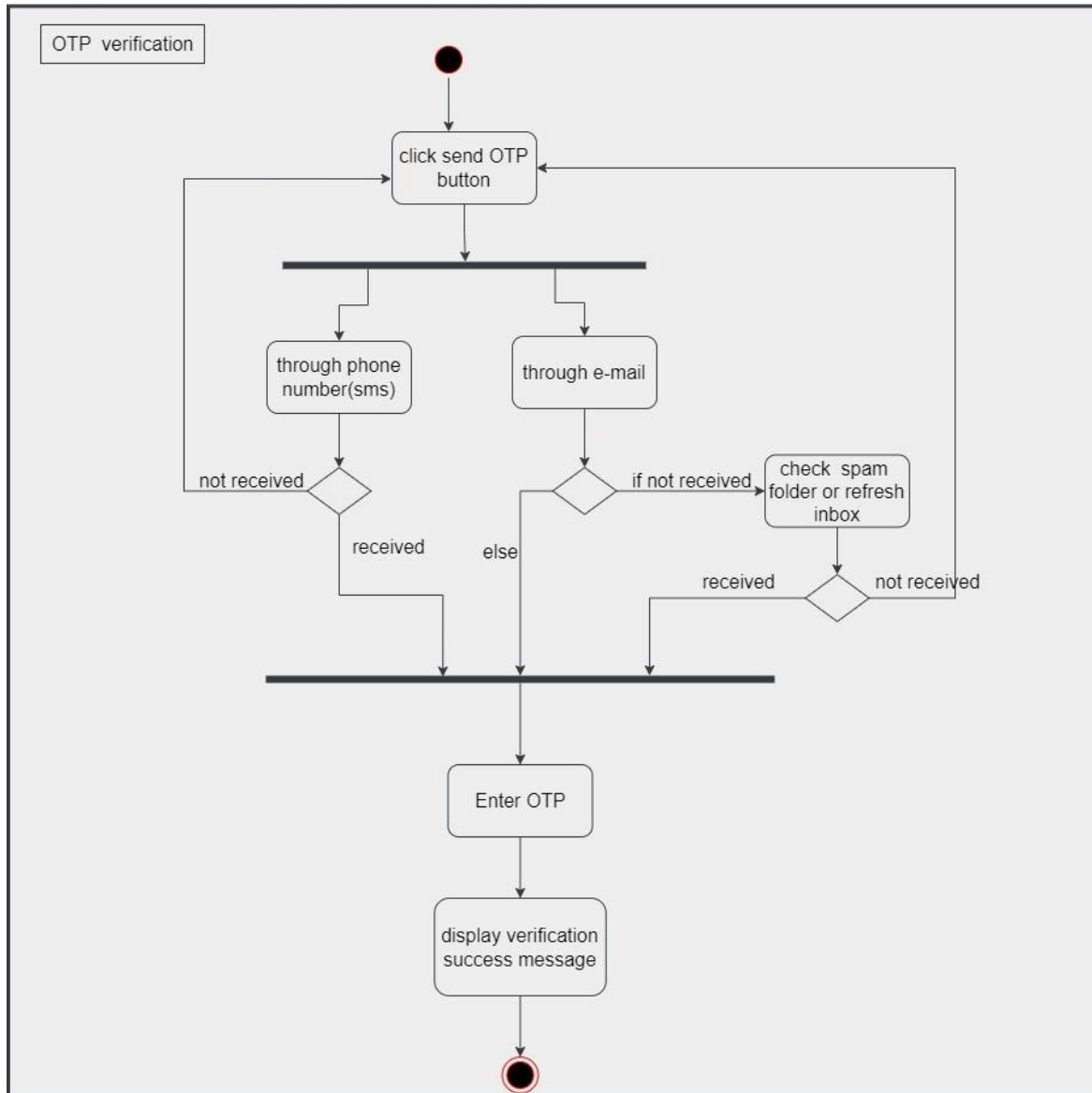
	3e	The system asks the customer to reset the password after a few failed attempts.
Open Issues		

Activity diagram without partitioning

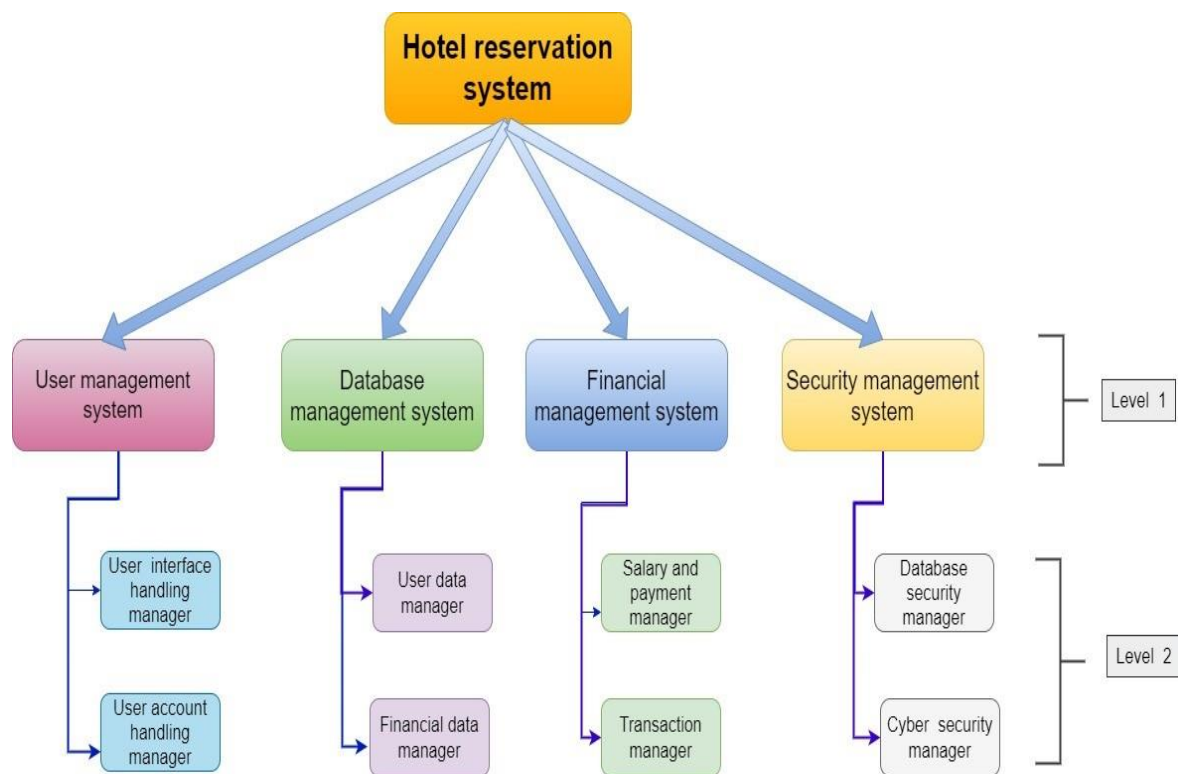


Call Actions

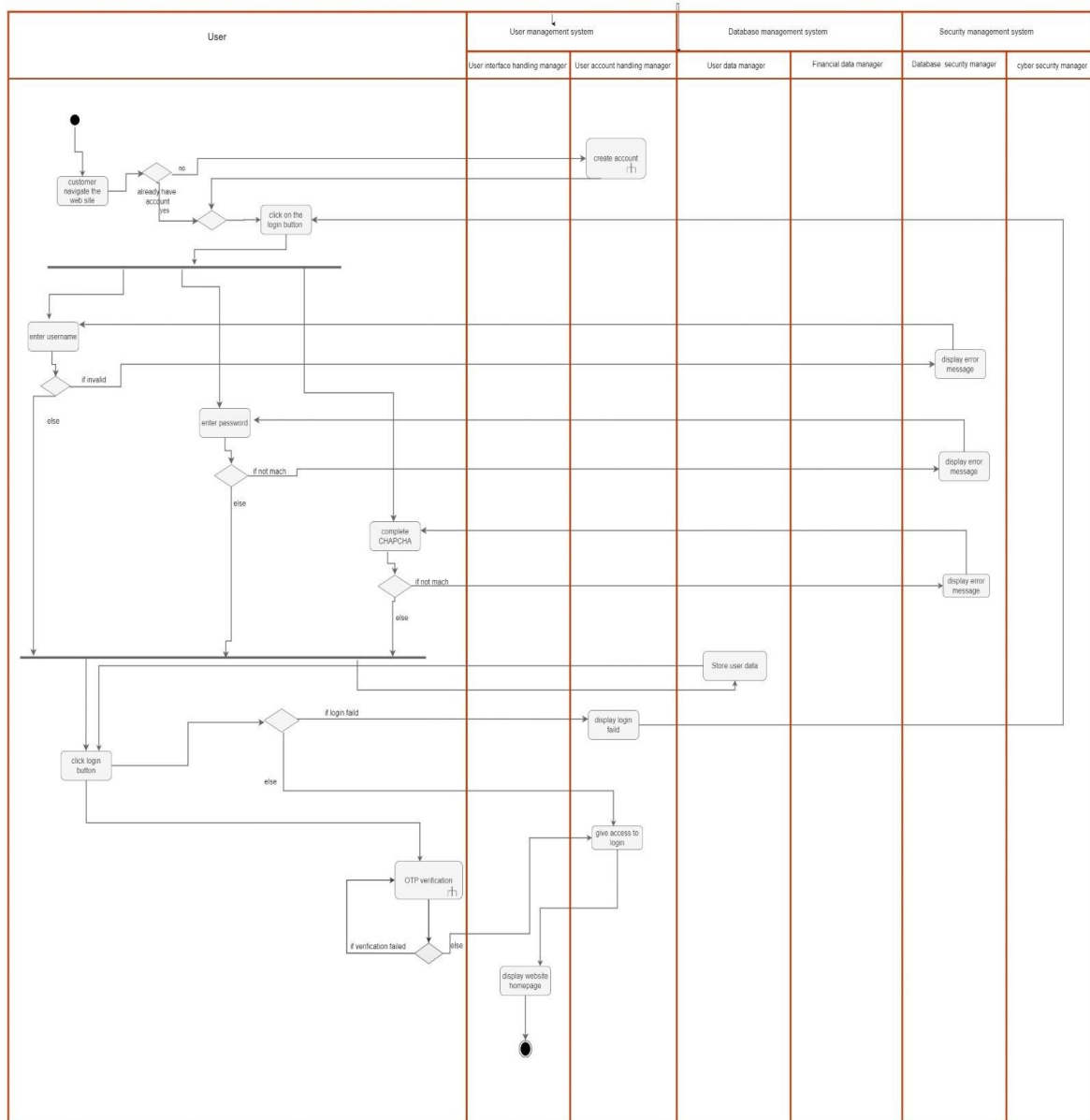




Part -2



Activity diagram with partitioning



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JEESARA K.G.N	IT22561084	28/05/2023	

Software Process Modelling - IT1060 - Assignment 2

JEESARA K.G.N - IT22561084

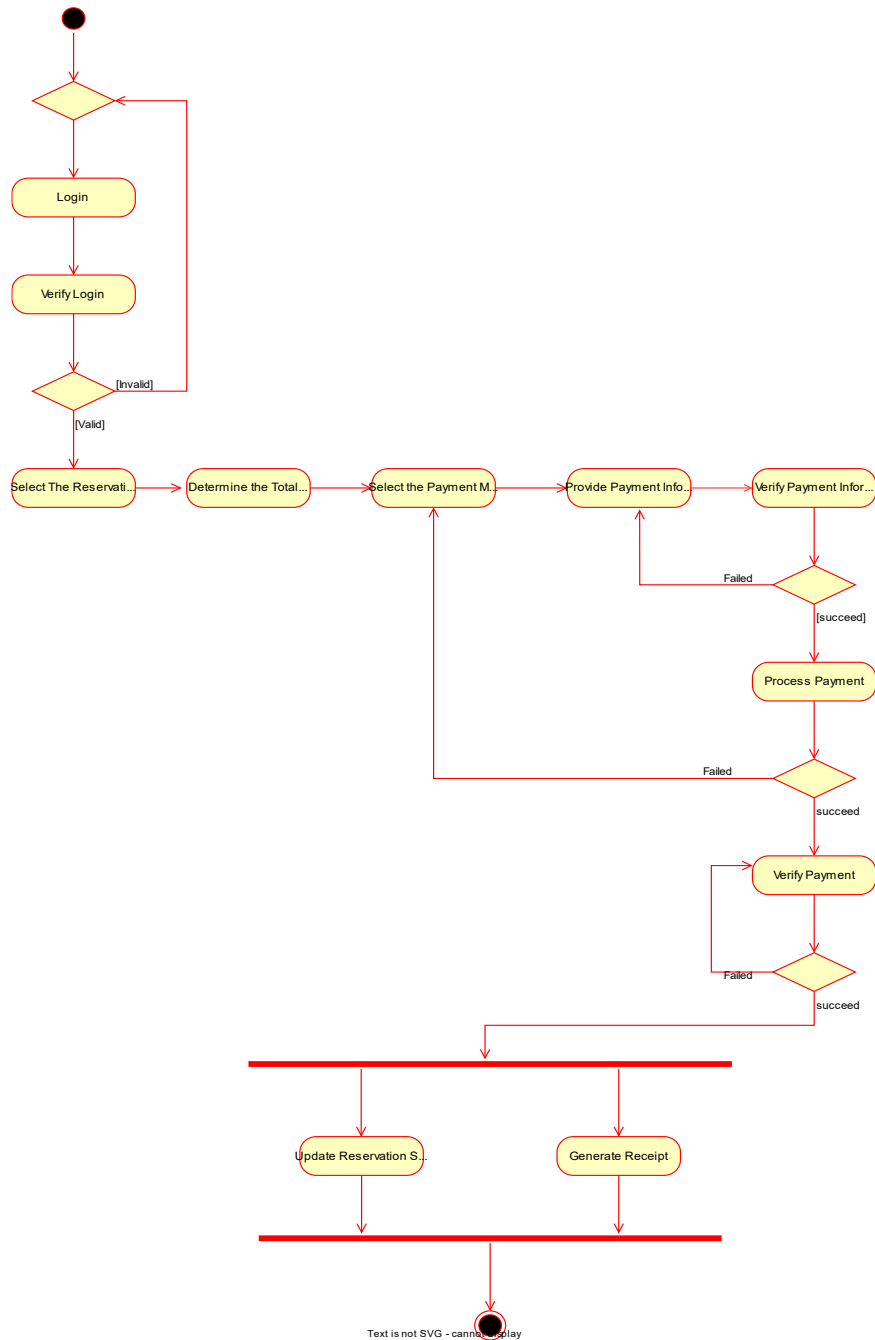
Part – 1

Use case Scenario

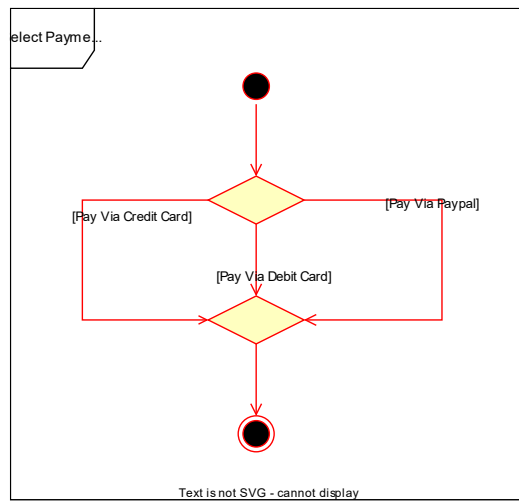
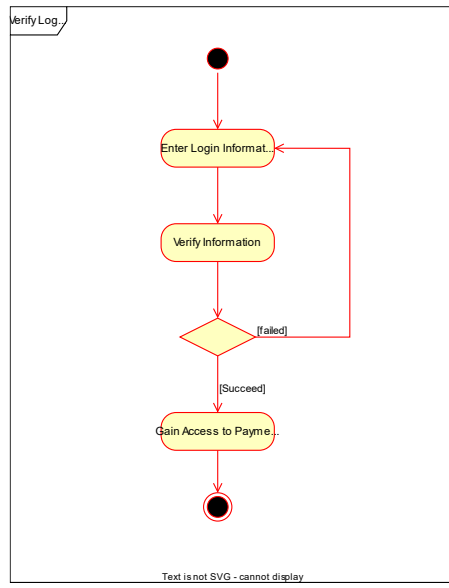
Number	03	
Name	Make a payment	
Summary	Customer make a reservation	
Priority		
Pre-condition	Customer must login to the website.	
Post-condition	Customer gets and confirmation about the payment and reservation.	
Primary actor	Customer	
Trigger	Customer choose to make a reservation.	
Main scenario	Step	Action
	1.	Customer login to the website.
	2.	Customer choose the Event type, Catering, Decorations, Audio and Visual equipment as their preferences(Reservation Type).
	3.	System Deretminr the total amount.
	4.	Customer Select payment Method
	5.	System verifies payment information.
	6.	Customer confirms payment.
	7	System process payment
	8	System verifies Payment.

	9	System Update reservation details and generate Receipt
Extensions	Step	Branching Action
	2a	System notifies customer that the select catering field is missing.
	2b	System notifies customer that the select Event type field is missing.
	2c	System notifies customer that the select Decoration type is missing.
	5a	System notifies customer that the payment details are invalid.
	5b	System notifies customer that there is a problem with the payment completion and ask to contact banking service provider.
Open Issues		System notifies customer that the select catering field is missing.

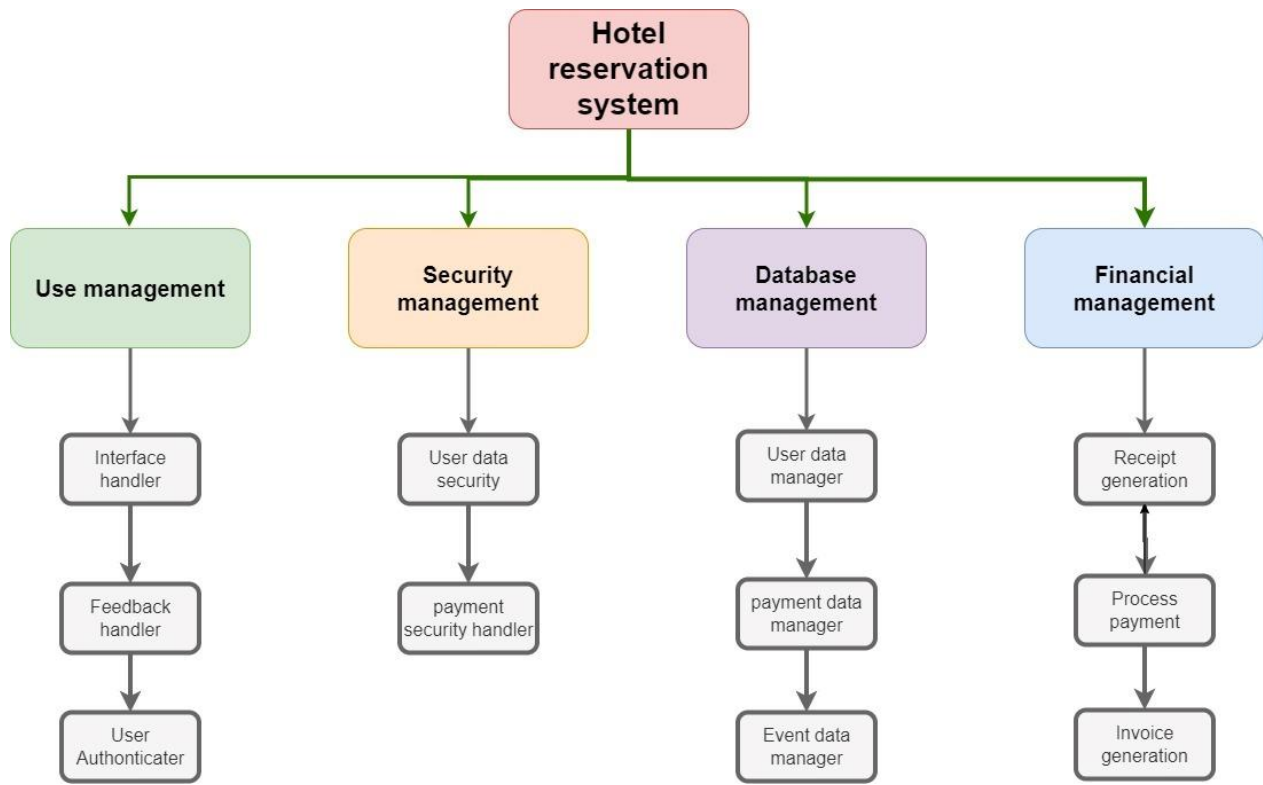
Activity diagram without partitioning



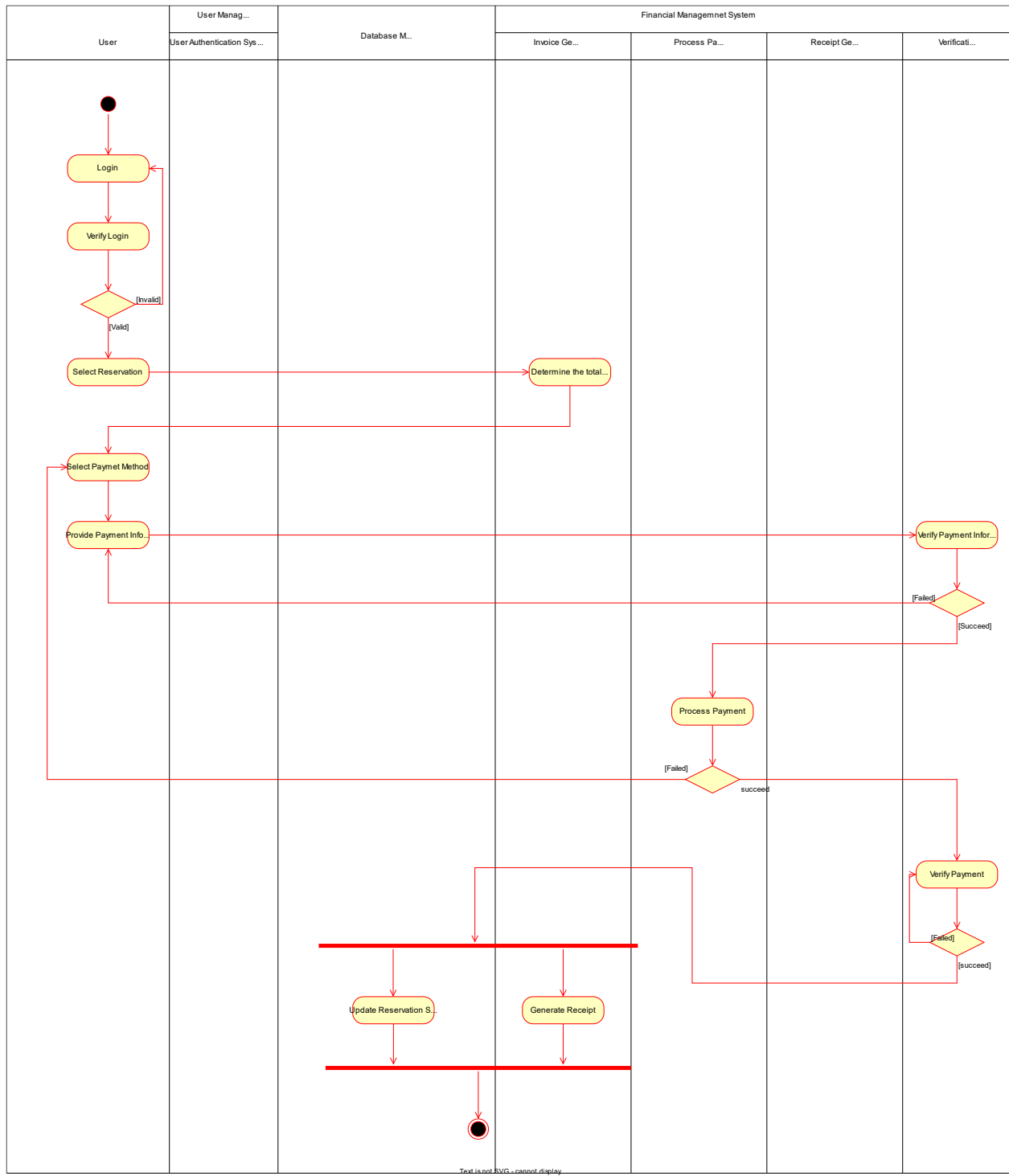
Call Actions



Part -2



Activity diagram with partition.



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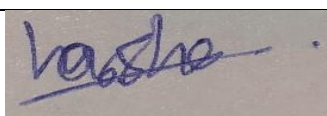
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CHATHURANGA K.K.G.H	IT22638540	28/05/2023	

Software Process Modelling - IT1060 - Assignment 2

CHATHURANGA K.K.G.H - IT22638540

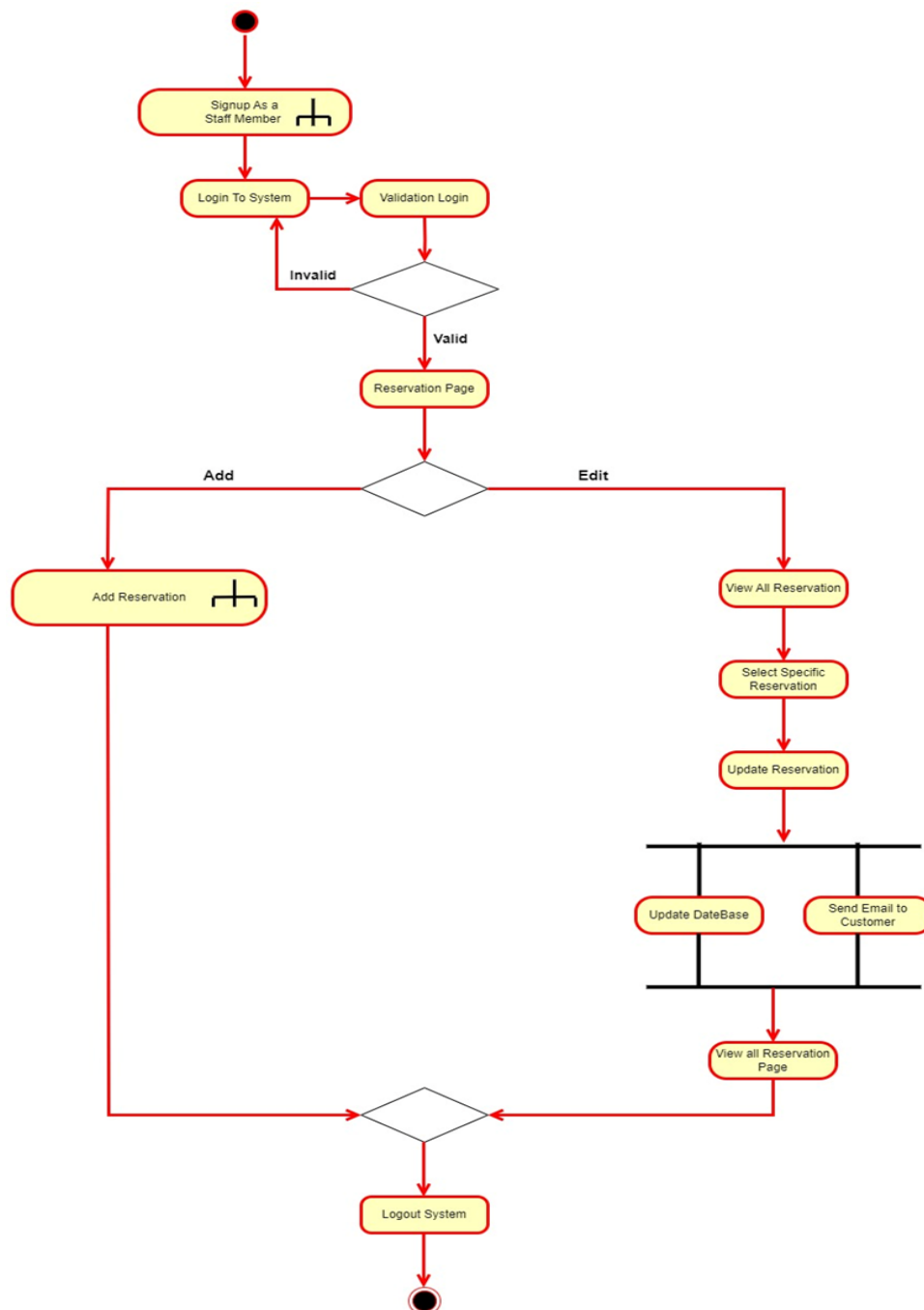
Part – 1

Use case Scenario

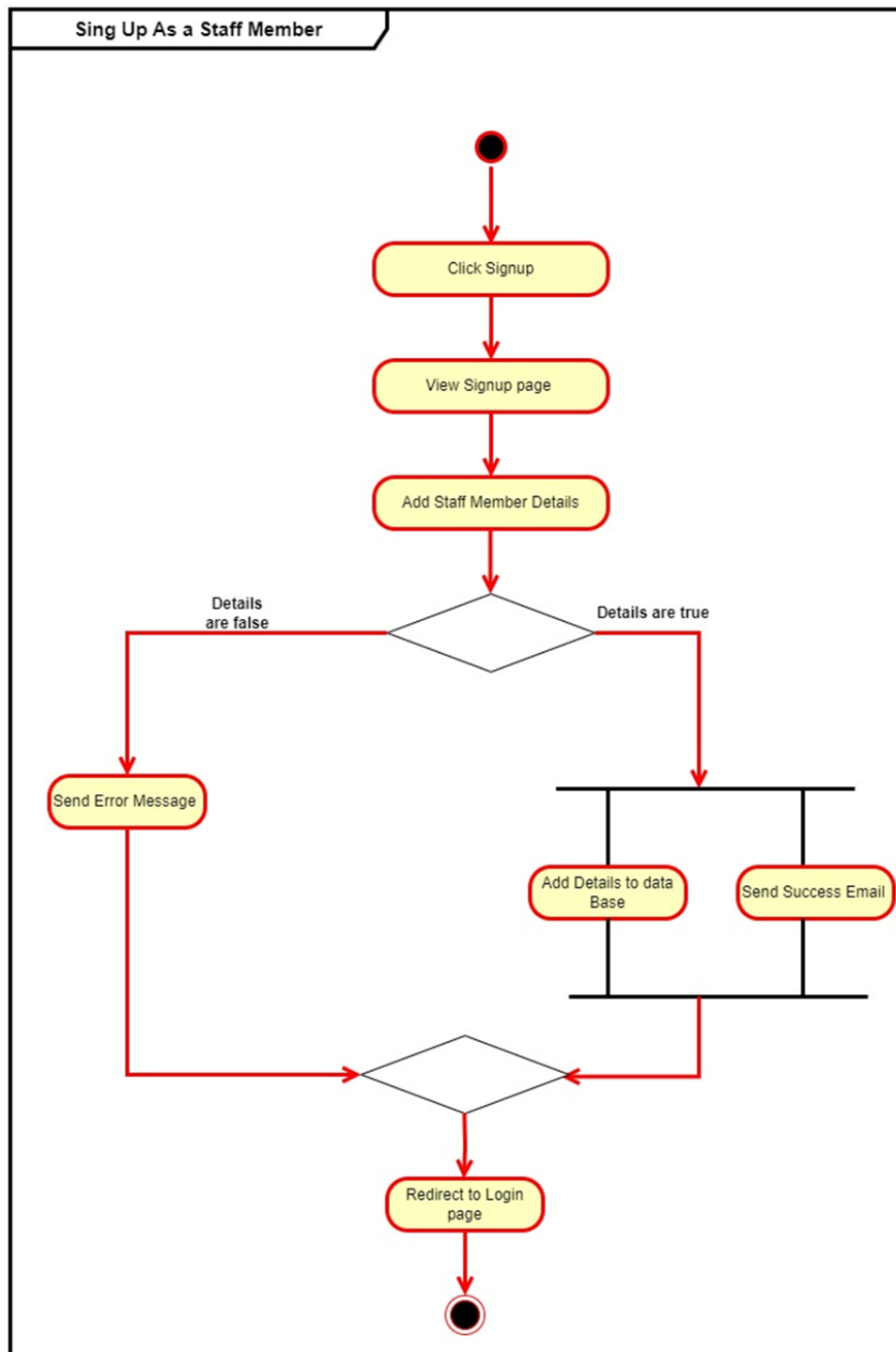
Number	04	
Name	Manage reservations	
Summary	A staff member will manage a reservation.	
Priority	04	
Pre-condition	Staff member must visit the website.	
Post-condition	Customer will receive an confirmation email about the reservation.	
Primary actor	Hotel staff	
Trigger	Staff member choose to manage a reservation.	
Main scenario	Step	Action
	1.	Staff member will login to the reservation management system using staff account details.
	2.	Staff member navigate to reservation page.
	3.	Staff member select the reservation.
	4.	Staff member view all the reservation details.
	5	Staff member validate all the information.
	6	Staff member update the reservation and ask the system to send a confirmation email to customer.

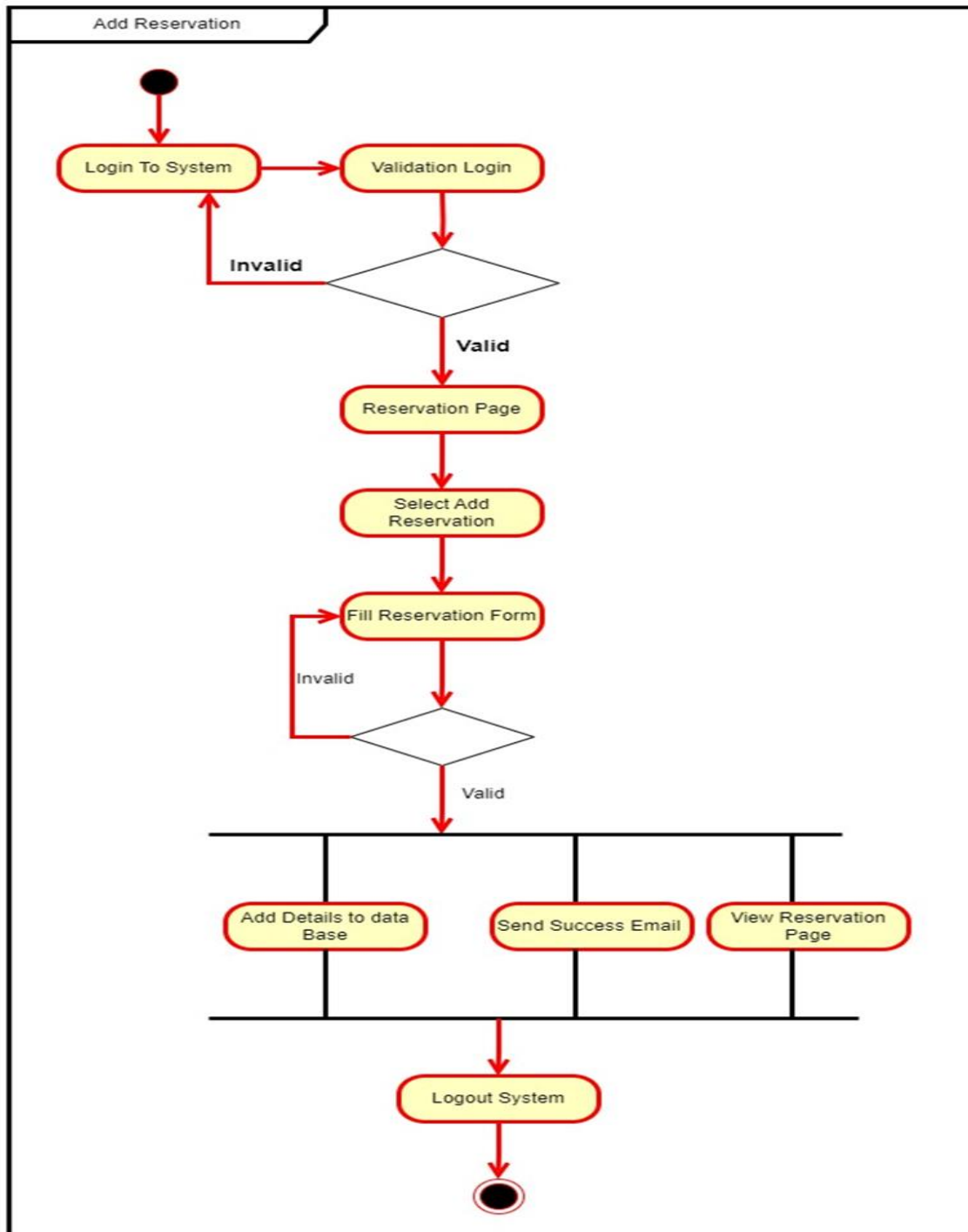
	7	Staff member logout after managed the reservation.
Extensions	Step	Branching Action
	1a	System notifies staff member that the staff ID and password doesn't match.
	1b	System notifies staff member that the staff ID doesn't exist.
Open Issues		

Activity diagram without partitioning



Call Action





Part 2

