

Assignment 2 Cover Sheet

| | |
|------------------------|---|
| PROJECT ID | MLB_10.02_02 |
| CASE STUDY NAME | Wild-life Safari Trip Management System |

Group Details:

| | Student Registration Number | Student Name |
|----------|------------------------------------|---------------------|
| 1 | IT21189944 | Madusanka G.K. I |
| 2 | IT21190216 | Thisera W.N.M |
| 3 | IT21379956 | Hettiarachchi V. E |
| 4 | IT21377280 | Rajapaksha C. S |
| 5 | IT21189630 | Hewavitharana D. L |

Assignment 2 Certify Sheet

We hereby certify,



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



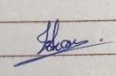
We have contributed in this assignment to the best of our ability.

And we understand,



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

Student Details:

| | Student Name | Student Registration Number | Date | Signature |
|----------|---------------------|--|-------------|---|
| 1 | IT21189944 | Madusanka G.K. I | 25/04/2022 |  |

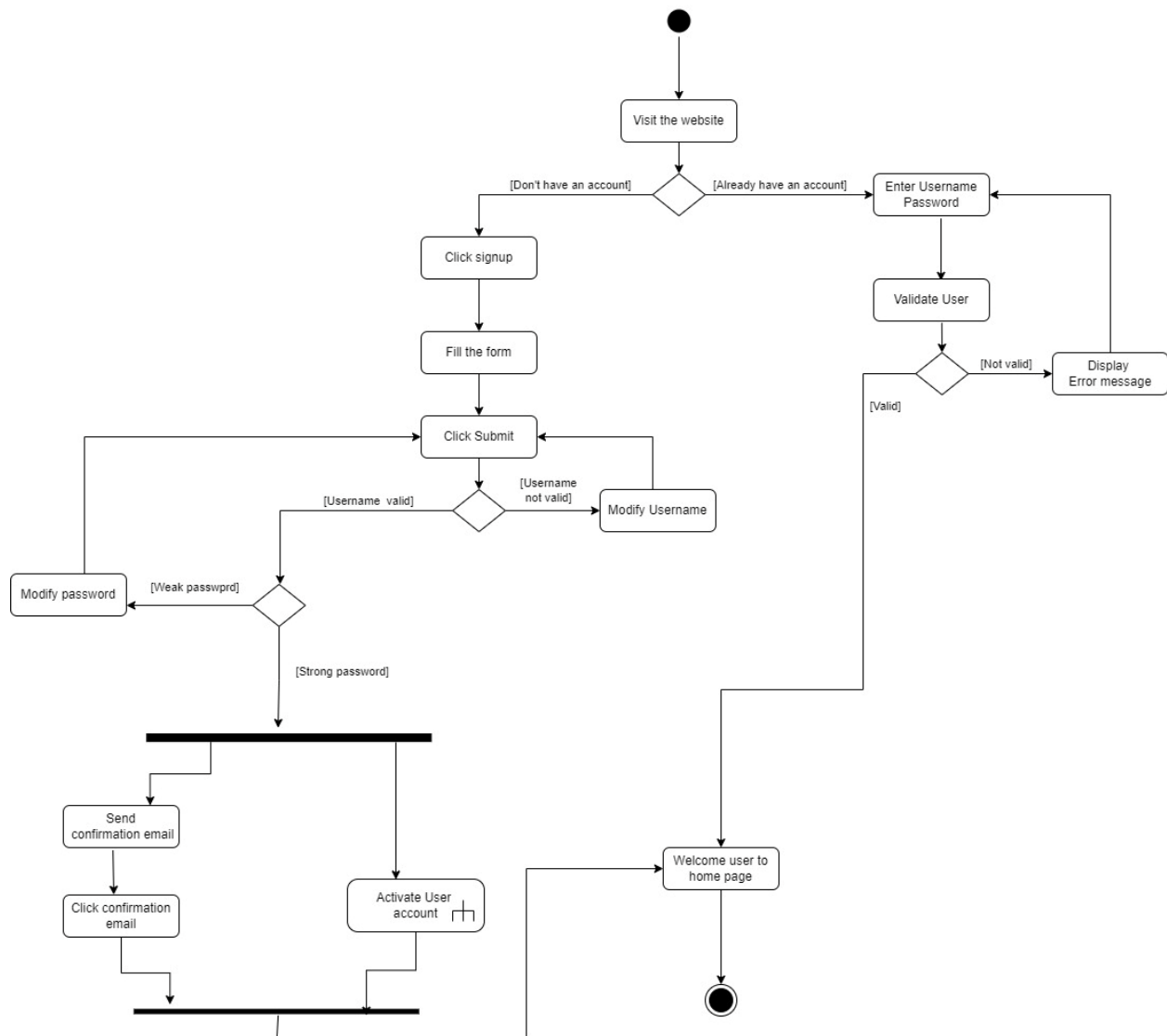
Part 1- (1)

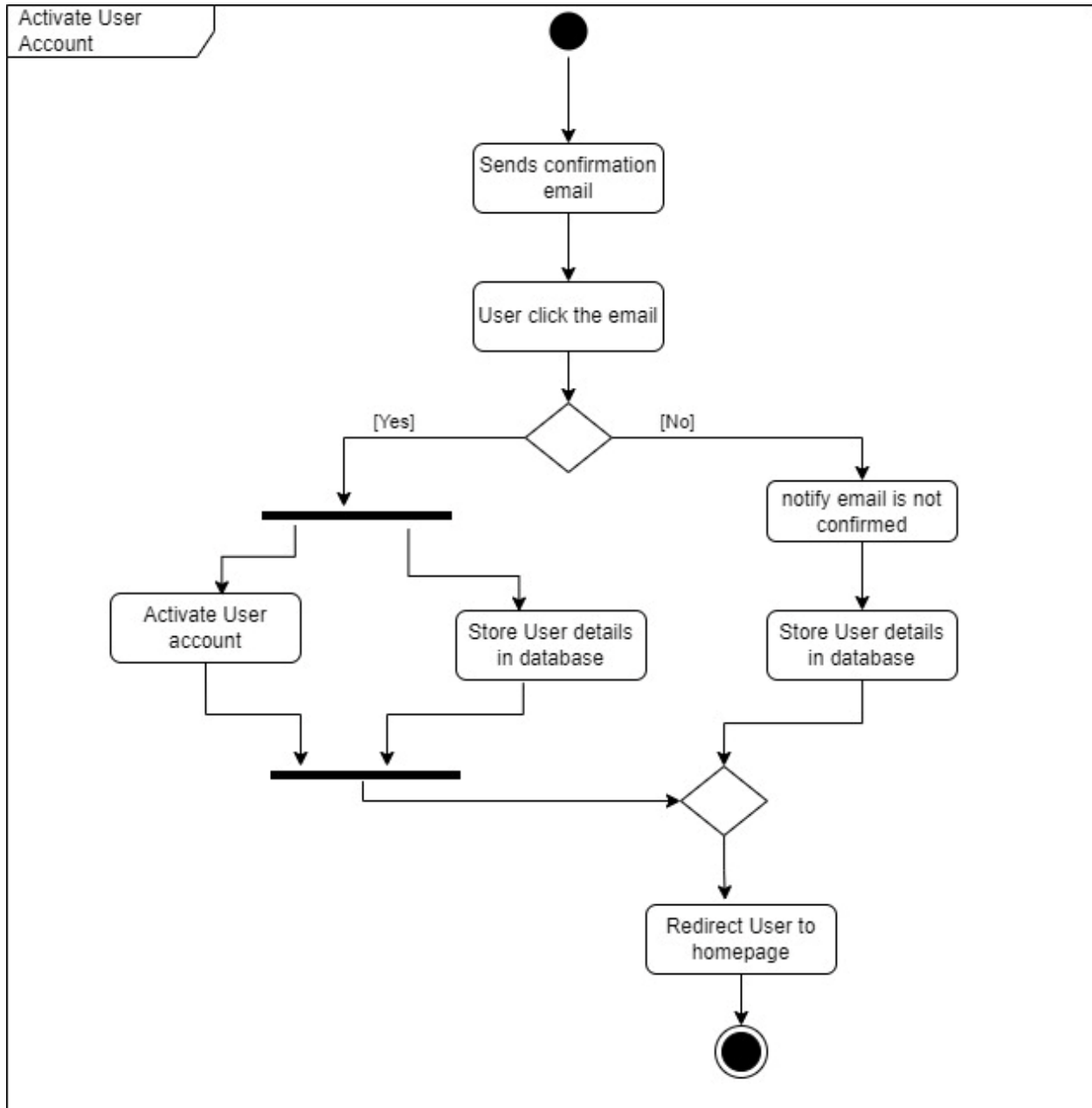
Use Case Scenario

| | | |
|--------------------------|--|--|
| Number | 01 | |
| Name | Sign up for the site | |
| Summary | Guest user becomes a registered customer | |
| Priority | High | |
| Pre - Conditions | User must visit to the website | |
| Post - Conditions | System sends an email of gratitude to user with a note to confirm about successful registration. | |
| Primary Actor | Customer | |
| Trigger | Guest has chosen to register | |
| Main Scenario | Step | Action |
| | 1. | Visit the website using URL |
| | 2. | Guest clicks on signup button |
| | 3. | System displays the registration form |
| | 4. | Guest enters the username, full name, Email, Password with mention characters, and re-type password. |
| | 5. | Guest clicks on signup button to submit the form |
| | 6. | System sends an email with link to confirm entered email. |
| | 7. | Guest clicks on confirm link in the email. |
| | 8. | System store user details and activate account |
| | 9. | Welcome user to homepage |
| | 10. | System sends an email of gratitude to user with a note to confirm about successful registration. |
| Extensions | Step | Branching Action |
| | 2a | Display a message “If already a registered customer please login”. |
| | 5a | System notifies guest that the entered username is not valid. |
| | 5b | System notifies guest that the entered password is weak. |
| | 7a | System notifies guest that the email does not confirm. |

Part 1- (2)

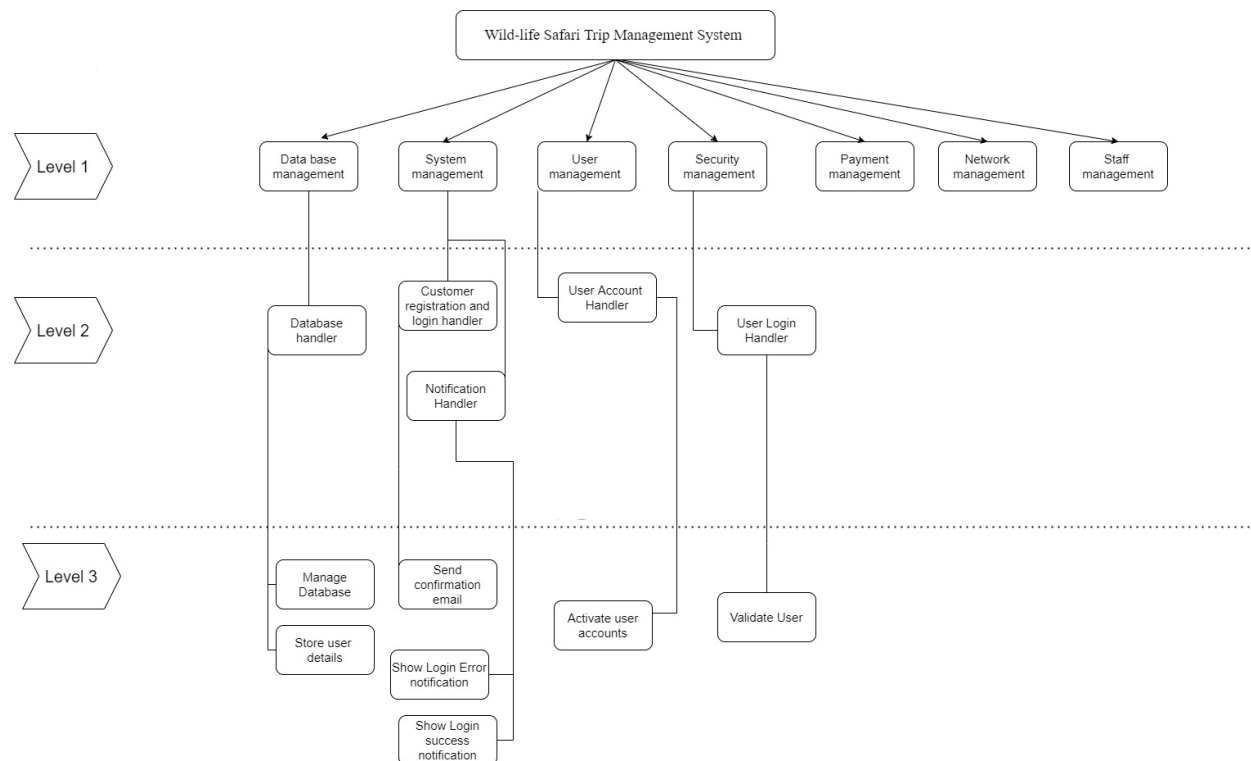
Activity Diagram





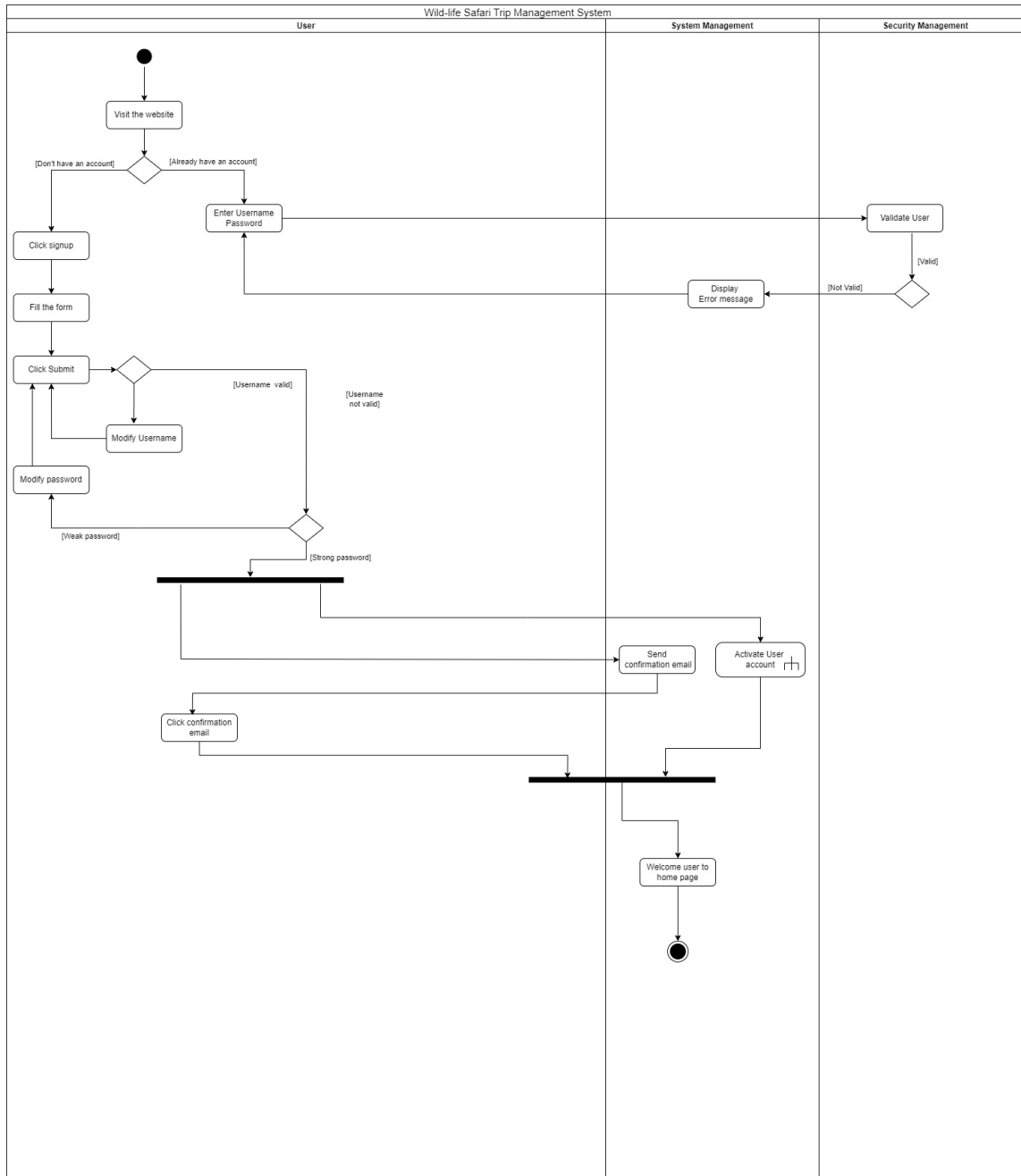
Part 2- (1)

Sub Systems



Part 2- (2)

Activity Diagram with partitioning



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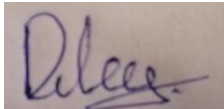
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Student Details

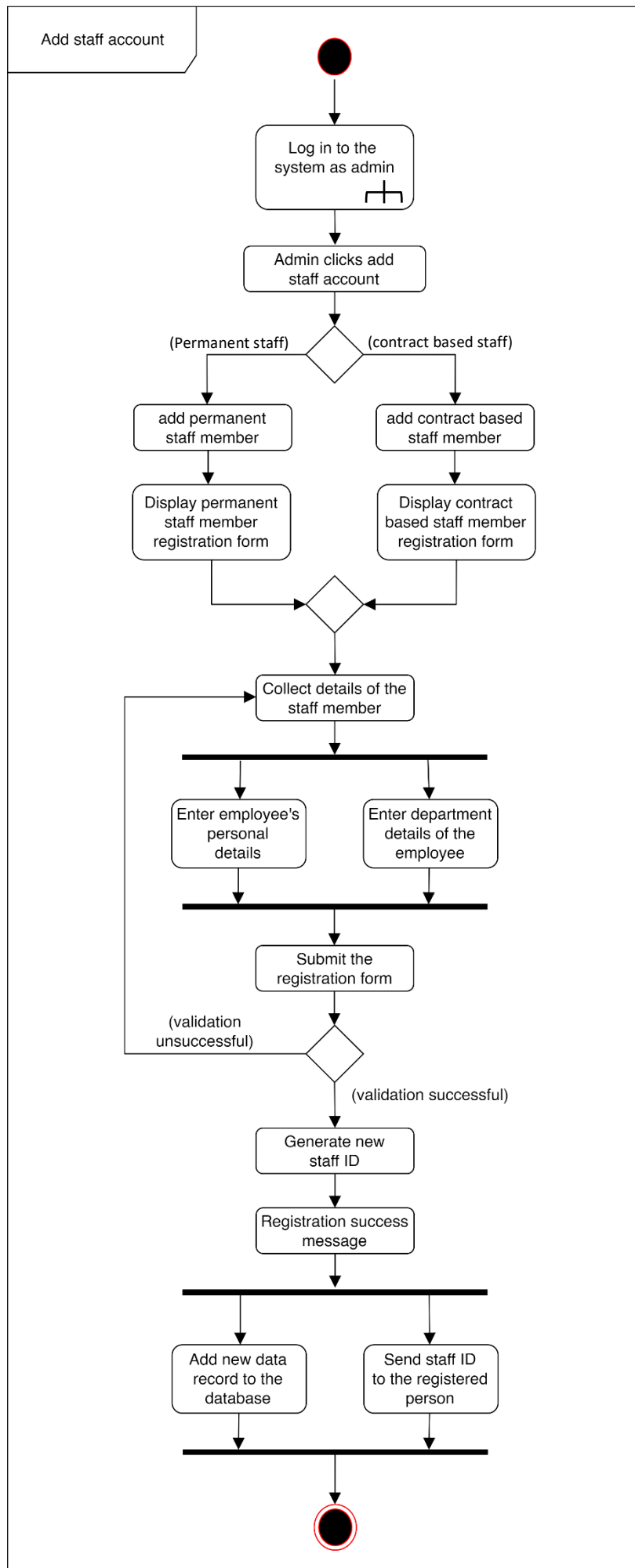
| Student Name | Student Registration Number | Date | Signature |
|---------------------|------------------------------------|-------------|---|
| Hewavitharana D.L. | IT21189630 | 02/05/2022 |  |

Part 1

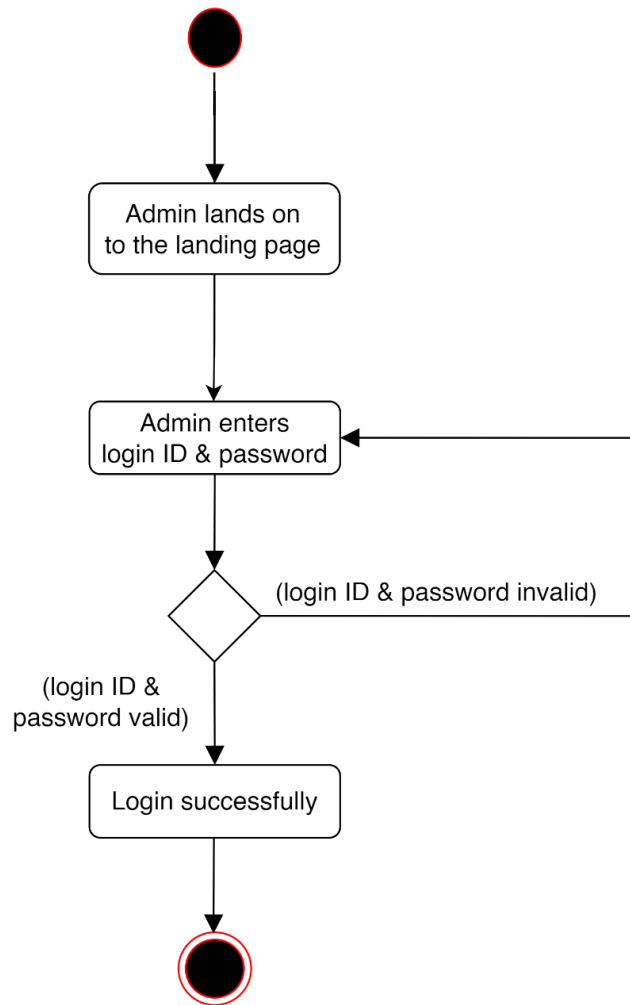
1)

| | | |
|-----------------------|-------------|--|
| Name | | Add a new staff member account |
| Priority | | 01 |
| Summary | | Admin will add a new account to the staff |
| Preconditions | | Admin receives request from a higher management division for add a staff to the system |
| Postconditions | | Admin can add another account to the staff |
| Primary Actor | | Admin |
| Trigger | | Admin clicks the add staff account button |
| Main-Scenario | Step | Action |
| | 1 | Admin lands on the landing page |
| | 2 | Admin login to the web application using admin credentials |
| | 3 | Admin clicks on add staff account |
| | 4 | Select employee type (permanent or contract basis) |
| | 5 | Collect details from the higher management division which made request to add new staff member |
| | 6 | Admin will enter the personal details and department details of the employee in registration form. |
| | 7 | Admin submits registration form |
| | 8 | New staff ID will be generated for the registered staff member |
| | 9 | System will show a message box saying that new user registered into the staff successfully. |
| | 10 | staff member's details will be added to the database |
| | 11 | Send staff id number to the registered person. |
| Extensions | Step | Branching Action |
| | 2a | System will display an error if invalid admin credentials were entered. |
| | 7a | System will display an error if any error occurs while validating the form. |

2)

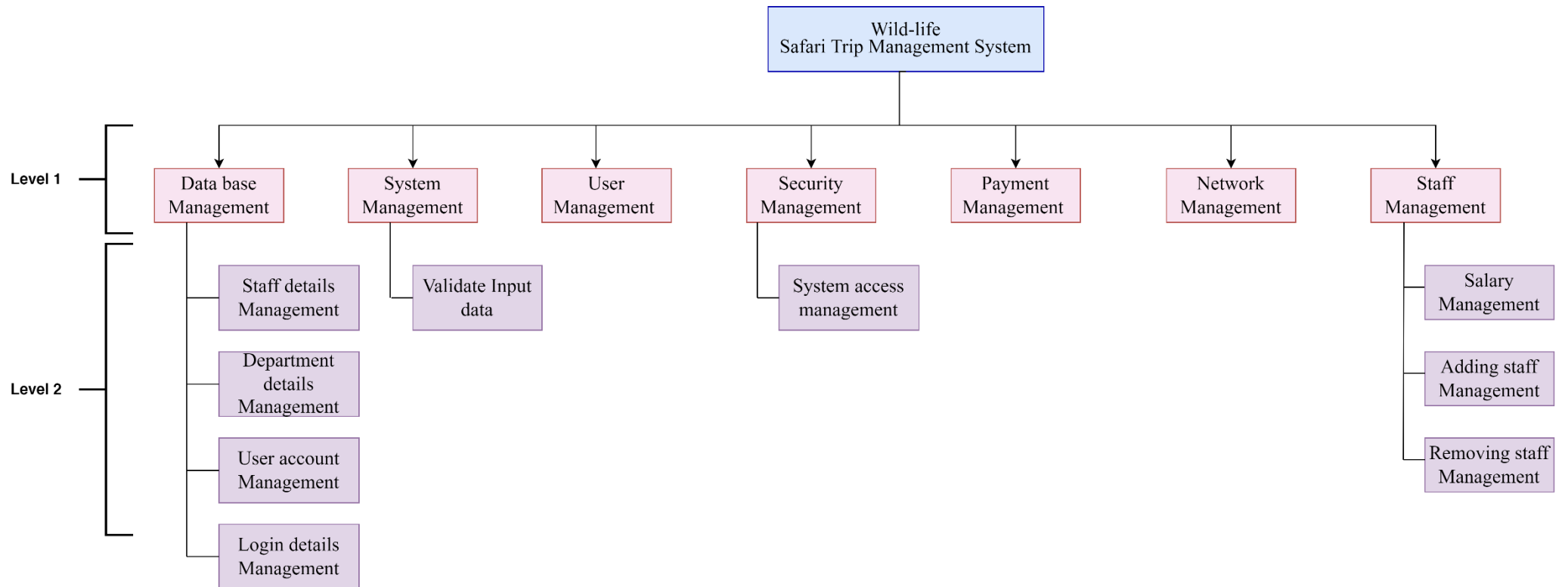


Login as admin

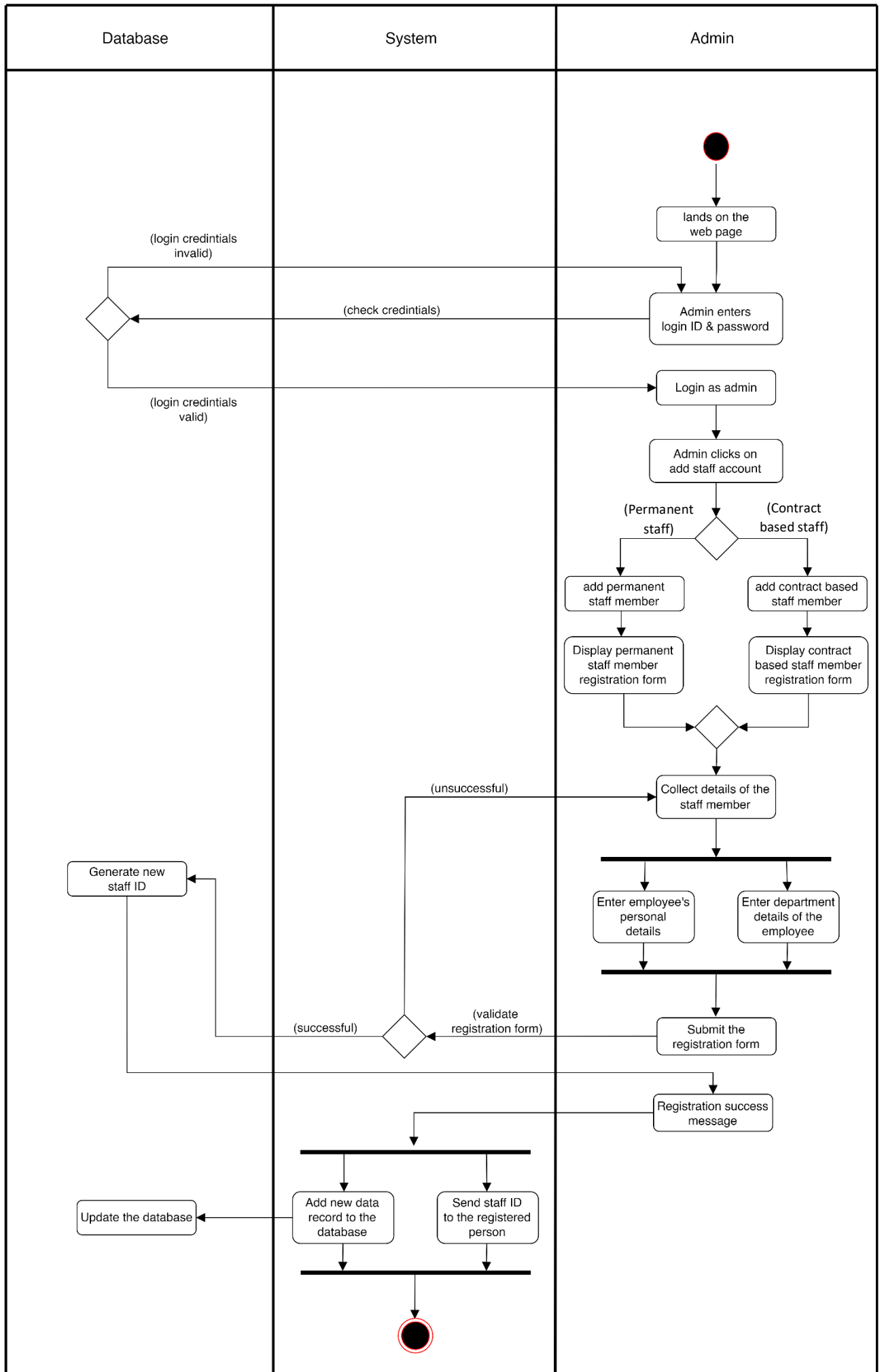


Part 2

1)



2)



IT1060 – Software Process Modeling

2022 - February

| | |
|------------------------|------------------------------------|
| CASE STUDY NAME | Wild Life Safari Management System |
| PROJECT ID | MLB_10.2_2 |

Group Details:

| | Student Registration Number | Student Name |
|----------|------------------------------------|---------------------|
| 1 | IT21189944 | Madusanka G.K.I |
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| 3 | IT21379944 | Hettiarachchi V.E |
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Assignment 2

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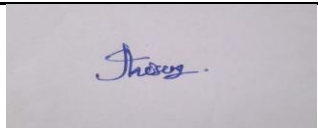
I have contributed in this assignment to the best of my ability.

And I understand,



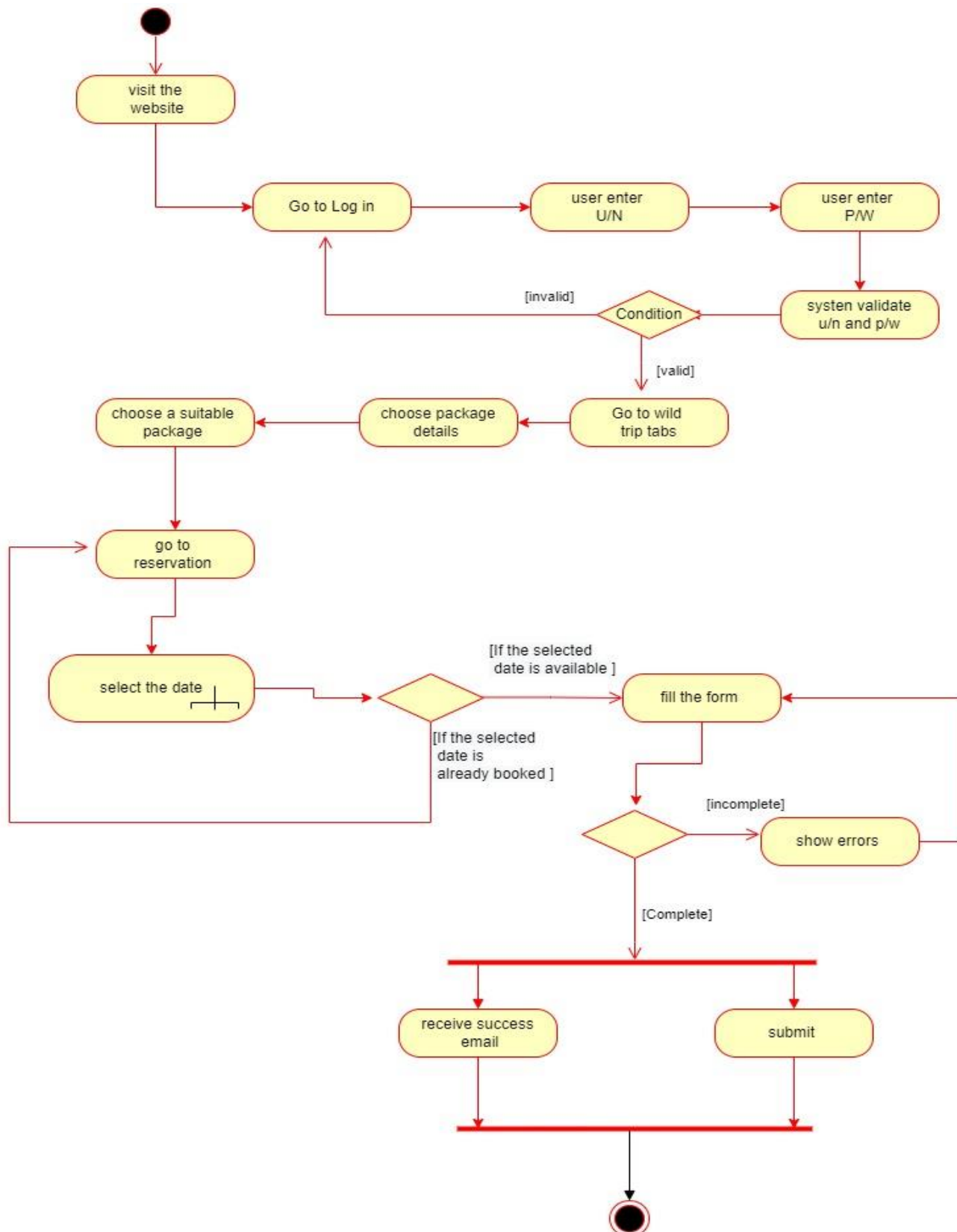
I may be subject to student discipline processes in the event of an act of academic misconduct by me including an act of plagiarism or cheating.

Student Details:

| Student Name | Student Registration Number | Date | Signature |
|---------------------|------------------------------------|-------------|---|
| W N M Thisera | IT21190216 | 02/5/22 |  |

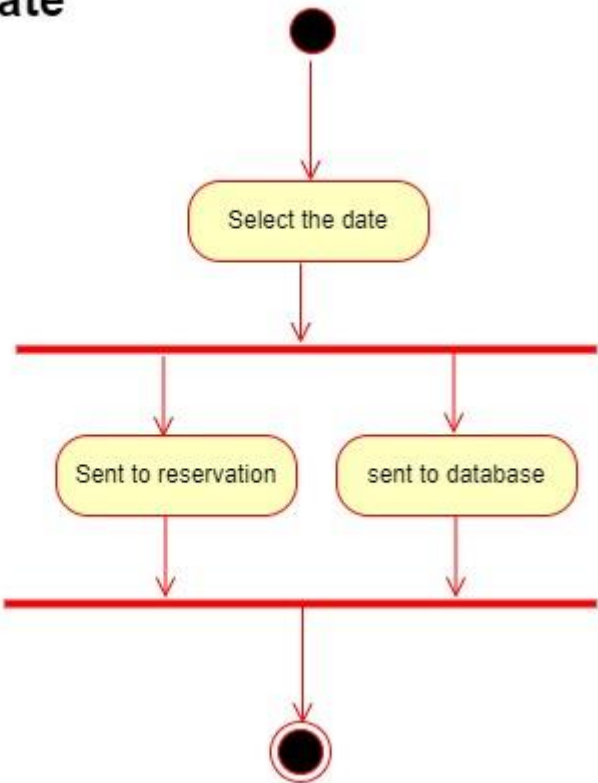
| | | |
|----------------------|-----------------------------------|--|
| Number | 03 | |
| Name | Request for reservation | |
| Summery | User request for reservation | |
| Priority | 01 | |
| Pre-condition | User must be a registered user | |
| Post-condition | Received confirmation email | |
| Primary actor | Registered user | |
| Trigger | User decide to make a reservation | |
| Main scenario | Step | Action |
| | 1. | Visit the website |
| | 2. | Login using credentials |
| | 3. | Go to wild trips tab |
| | 4. | Check package details |
| | 5. | Choose a suitable package |
| | 6. | Check availability |
| | 7. | Go to reservation |
| | 8. | Fill the form |
| | 9. | Submit the form using submit button |
| Extensions | Step | Action |
| | 2a | System notifies user name is not correct |
| | 2b | System notifies password is not correct |
| | 6a | Show notification if the selected date is already booked |

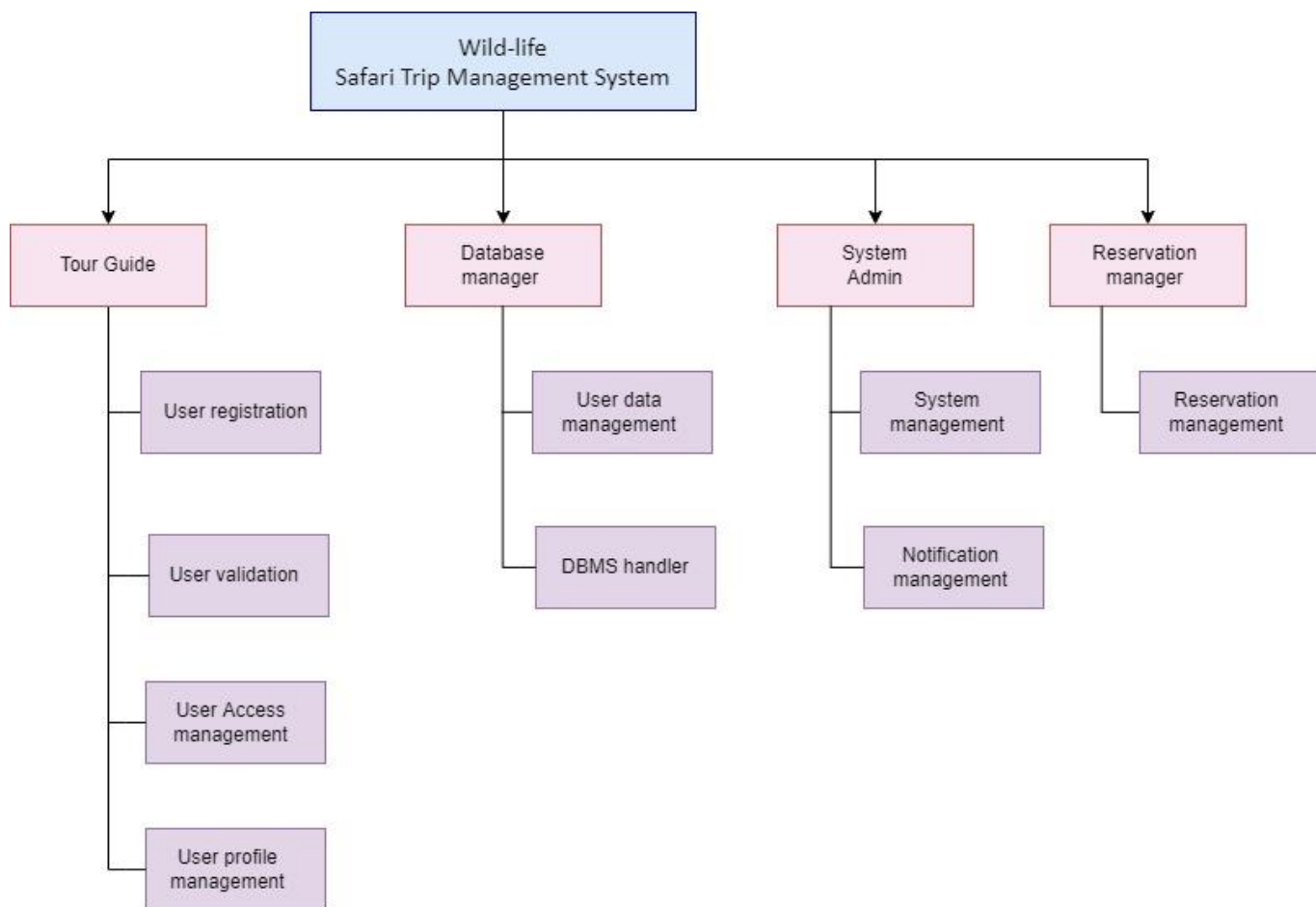
| | | |
|--|----|---------------------------------------|
| | 9b | Show error that form is not completed |
|--|----|---------------------------------------|

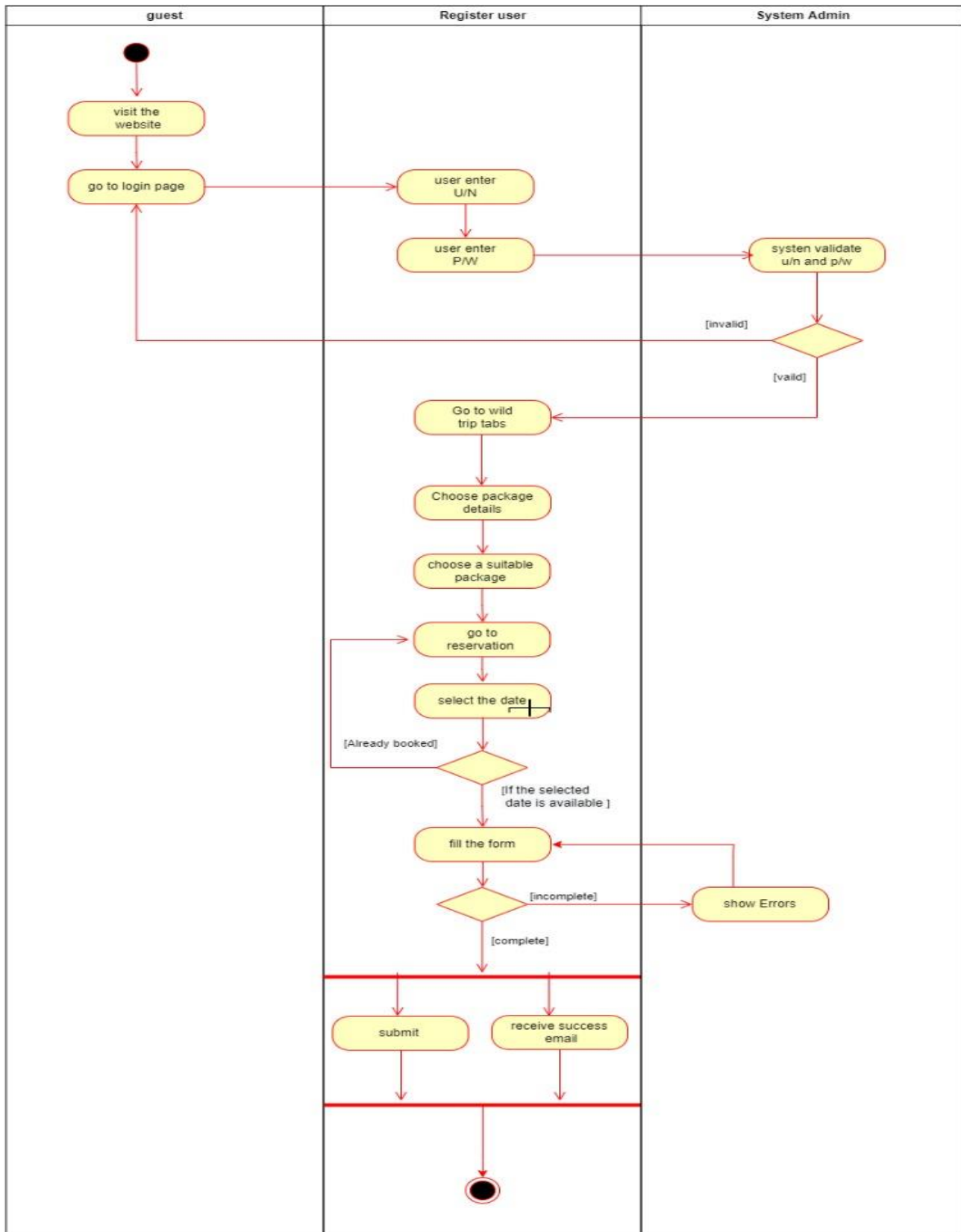


Call action/ sub activities

Select the date







Assignment 2

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| PROJECT ID | MLB_10.02_02 |

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Student Details:

| Student Name | Student Registration Number | Date | Signature |
|---------------------|------------------------------------|-------------|---|
| C. S. Rajapaksha | IT21377280 | 02/05/2022 |  |

Part 1 -1

Actor: User

Use Case Name: Contact Us

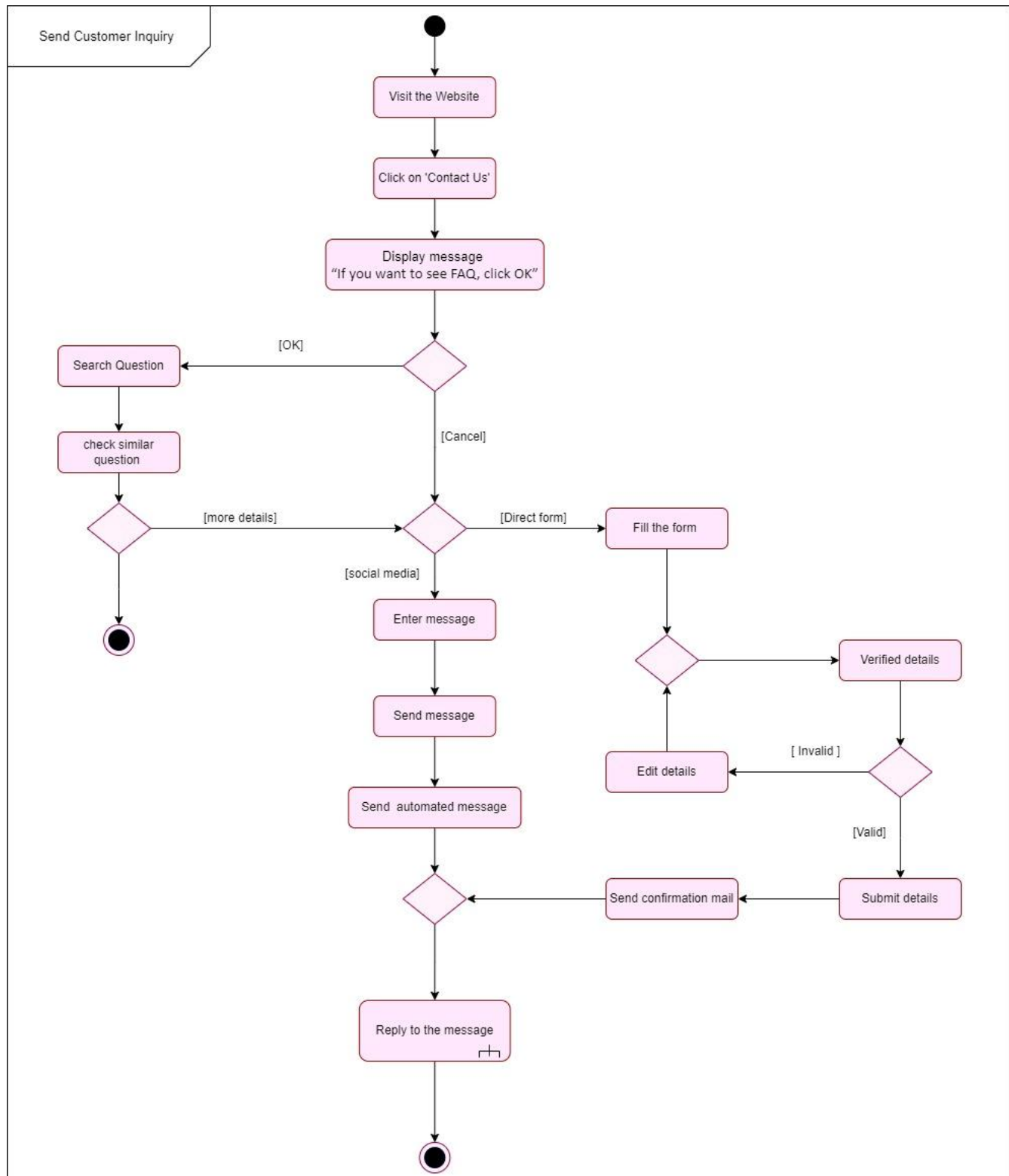
| | | |
|-----------------------|------------------------------------|---|
| Number | 01 | |
| Name | Contact Us | |
| Summary | Customer Inquiry | |
| Priority | 01 | |
| Pre-condition | User has a doubt about the site | |
| Post-condition | Receive an email about the inquiry | |
| Primary actor | User | |
| Trigger | User chooses to contact | |
| Main scenario | Step | Action |
| | 1. | Visit the web site. |
| | 2. | Guest clicks on 'Contact us' button. |
| | 3. | System displays a message "If you want to see the common questions and answers click OK" |
| | 4. | If user selects cancel, Display the 'contact us' page. |
| | 5. | If user selected 'cancel', choose the familiar social media platform, or direct contact form. |
| | 6. | If user chooses direct contact form, user enters name, salutation, email address, telephone number and the message |
| | 7. | After user filled the direct contact form, user clicks the 'submit' button. |
| | 8. | when submitting filled direct contact form, system displays a message |
| | 9. | If user choose familiar social media, system send automated message as "Dear sir/madam, we will reply soon. Thank you for contacting us!" in selected platform. |
| | 10. | Meanwhile, System sends the message to tour Guide. |

| Extensions | Step | Branching Action |
|------------|------|---|
| | 1a | User logs in by entering Username and password. |
| | 1b | System confirms username and password. |
| | 3a | If user clicks on ok, system displays the common questions and answers page (FAQ page). |
| | 3b | User searches using the key word in question through the search bar. |
| | 3c | System suggests the similar questions and answers. |
| | 3d | If User wants more information, clicks on the answer. |
| | 3e | System displays the contact page with that question for user to ask somethings about that answer. |

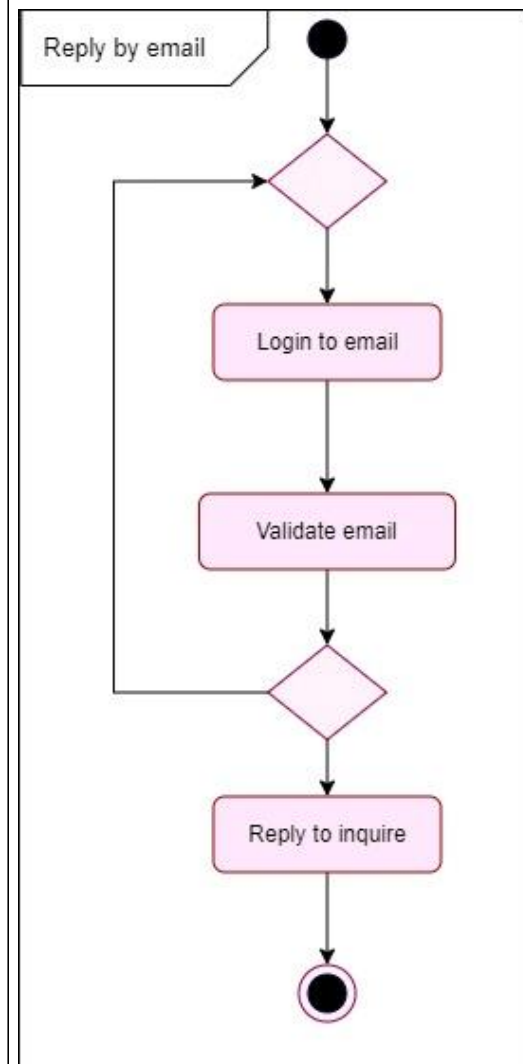
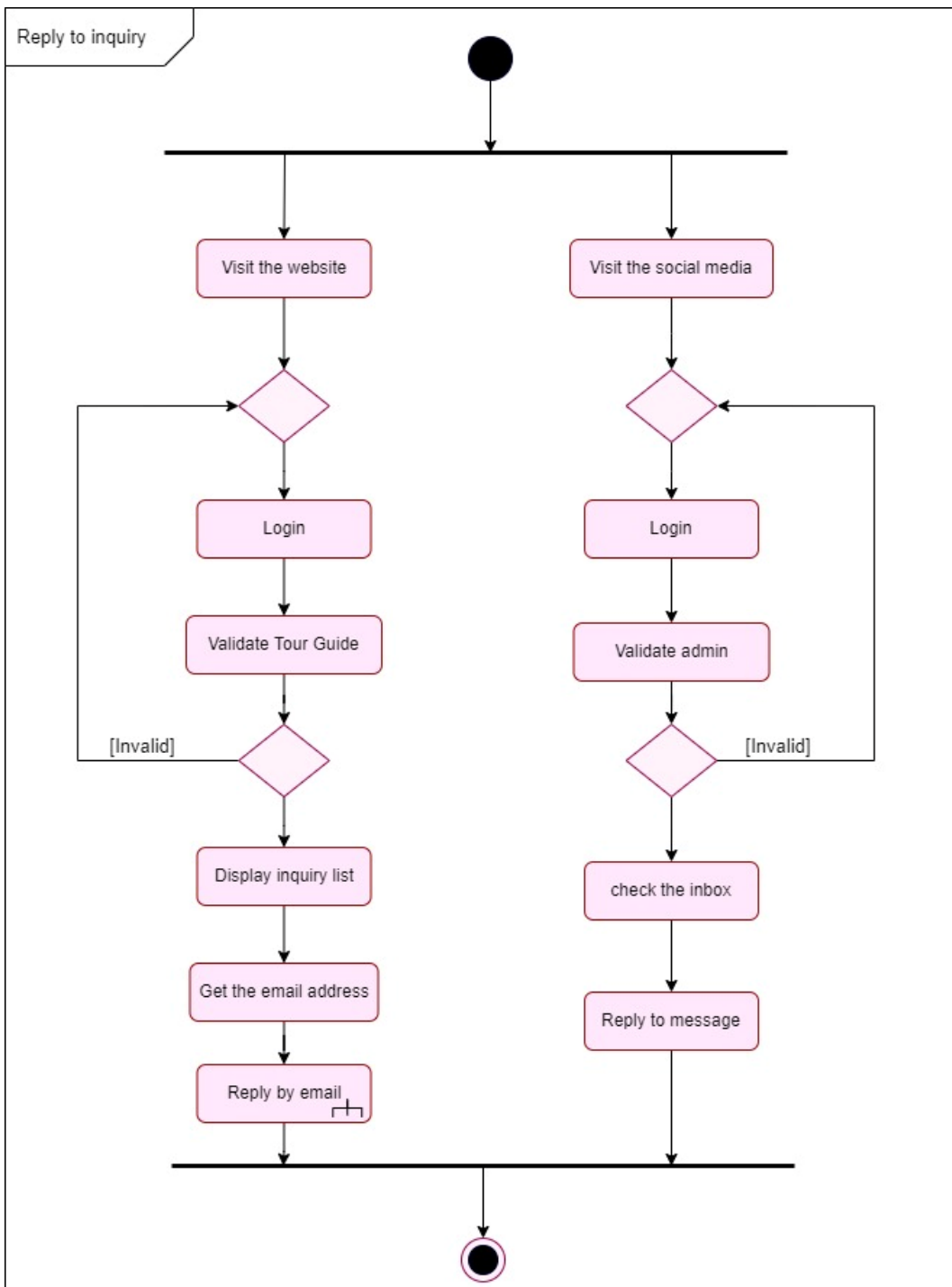
Call Action / Sub Activities:

| | | |
|-----------------------|--------------------------------|---|
| Number | 02 | |
| Name | Customer Inquiry | |
| Summary | Reply to message | |
| Priority | 01 | |
| Pre-condition | User must send the message. | |
| Post-condition | Reply to all inquiry. | |
| Primary actor | Tour Guide | |
| Trigger | Tour Guide replies to message. | |
| Main scenario | Step | Action |
| | 1. | Visit the web site. |
| | 2. | Tour Guide logs in to the page using username and password. |
| | 3. | System displays the inquiry list. |
| | 4. | Tour Guide replies to the inquiry via email. |
| | 6. | Meanwhile, Tour Guide logs in to the social media (Facebook, Instagram, Email). |
| | 7. | If there are any message from customers, Tour Guide replies to the message. |
| Extensions | Step | Branching Action |
| | 2a | System confirms username and password. |
| | 6a | Social media confirms logging. |

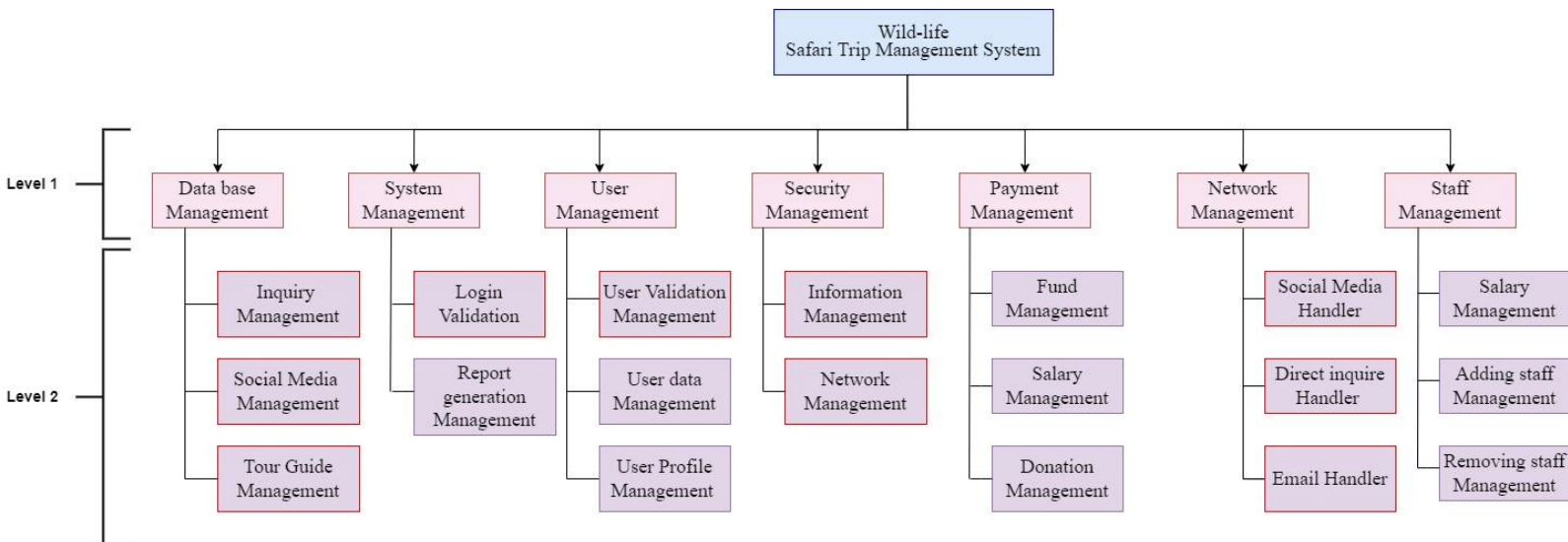
2. Activity Diagram



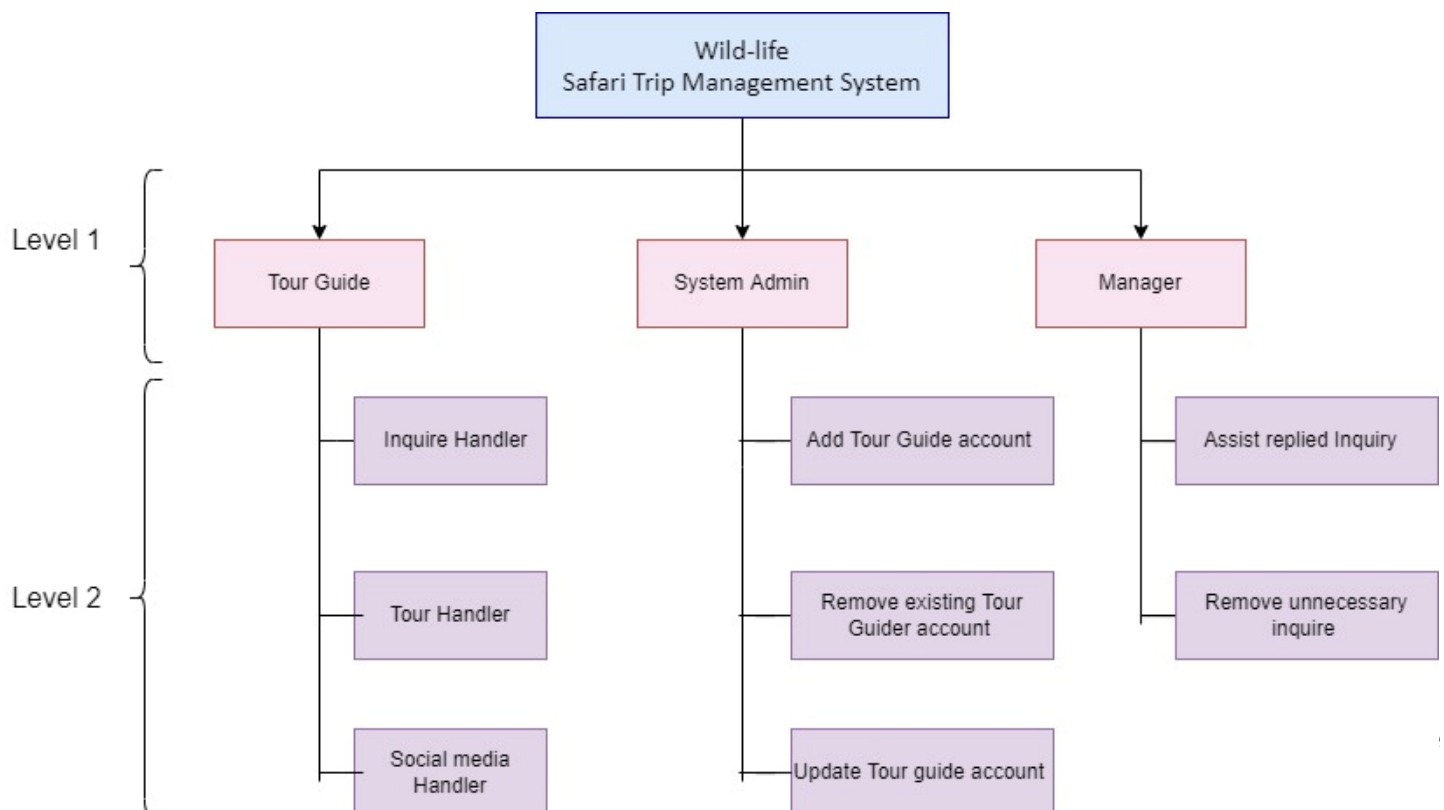
Call Action / Sub Activities:



Part 2 – 1

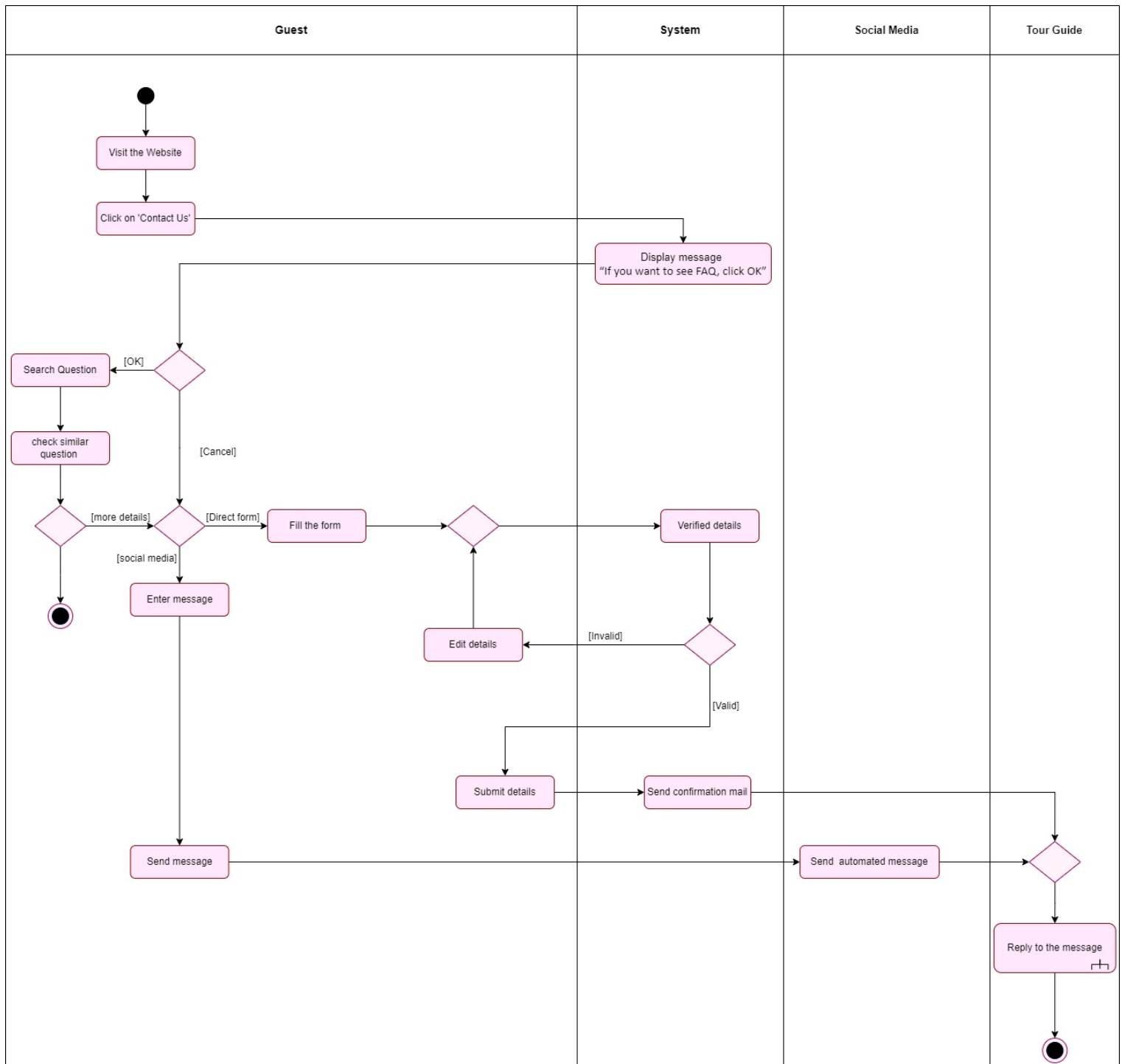


Related to Inquire Management Process



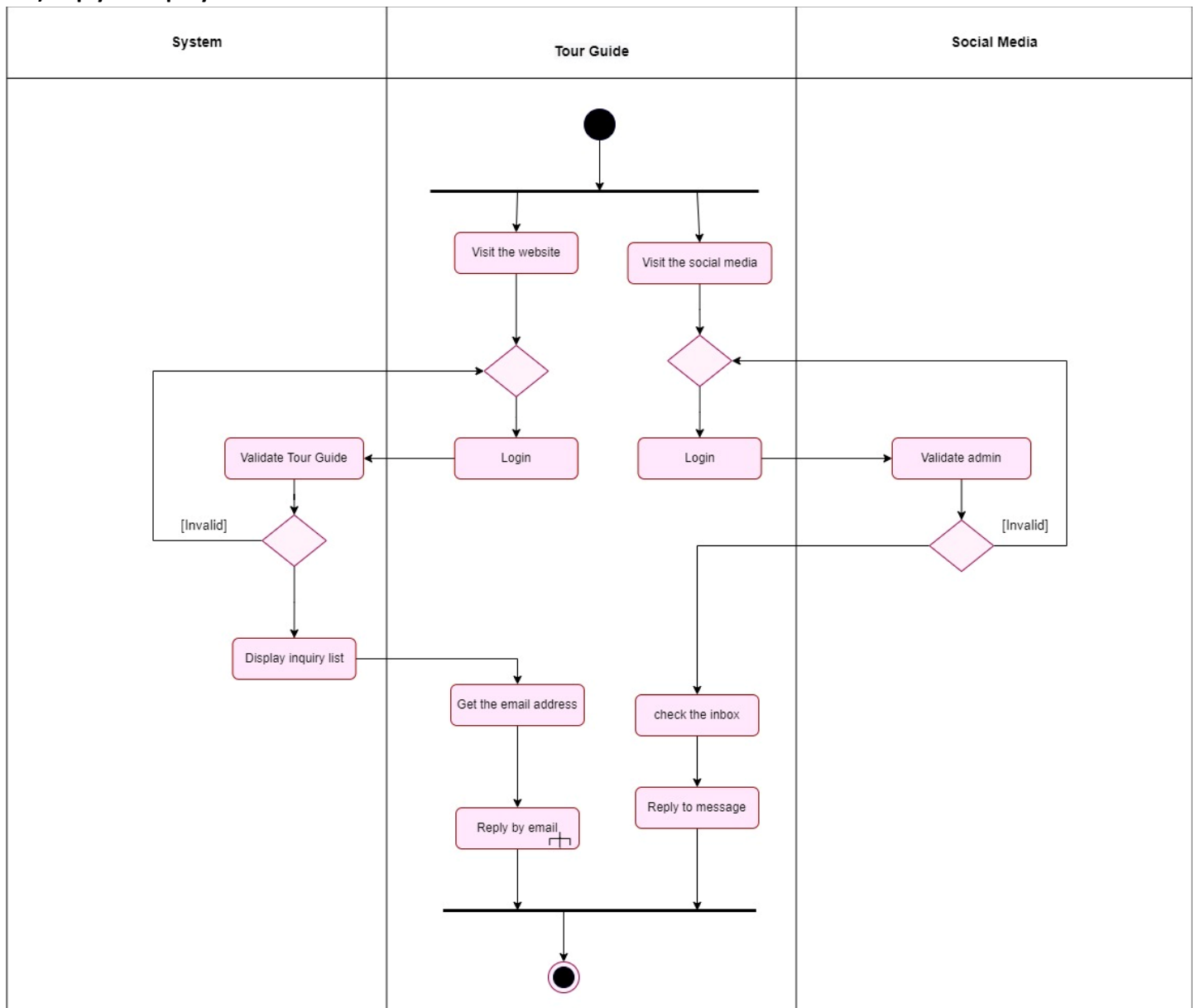
Part 2 – 2

A) Send User Inquiry.



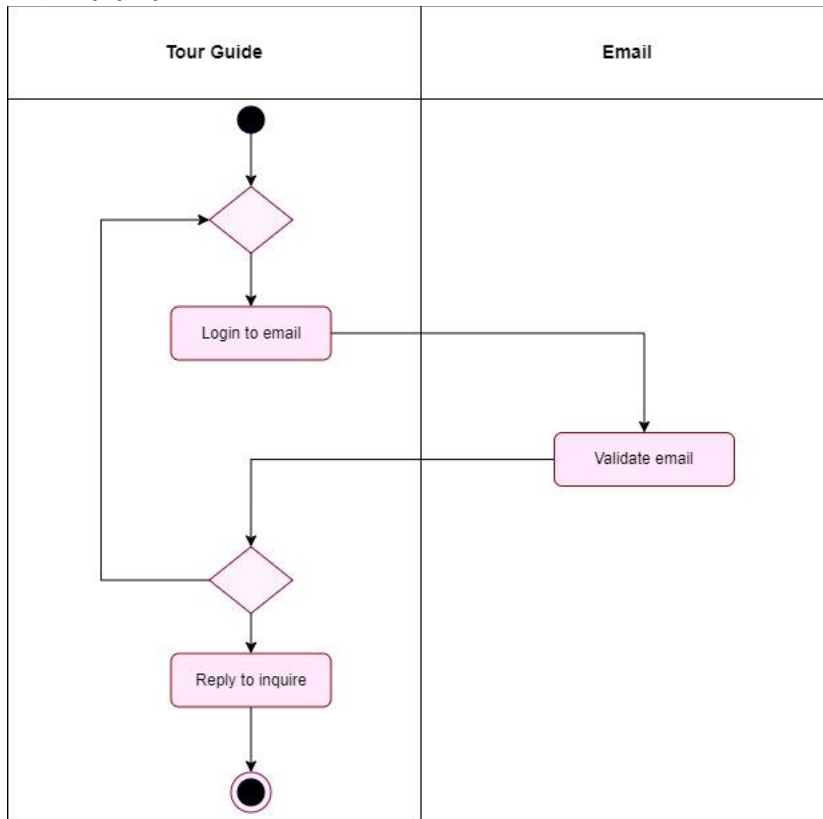
Part 2

2 B) Reply to Inquiry



Part 2

2 C) Reply by Email



The End

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| Hettiarachchi. V. E | IT21379956 | 2022/ 05 / 02 |  |

Part I- 01

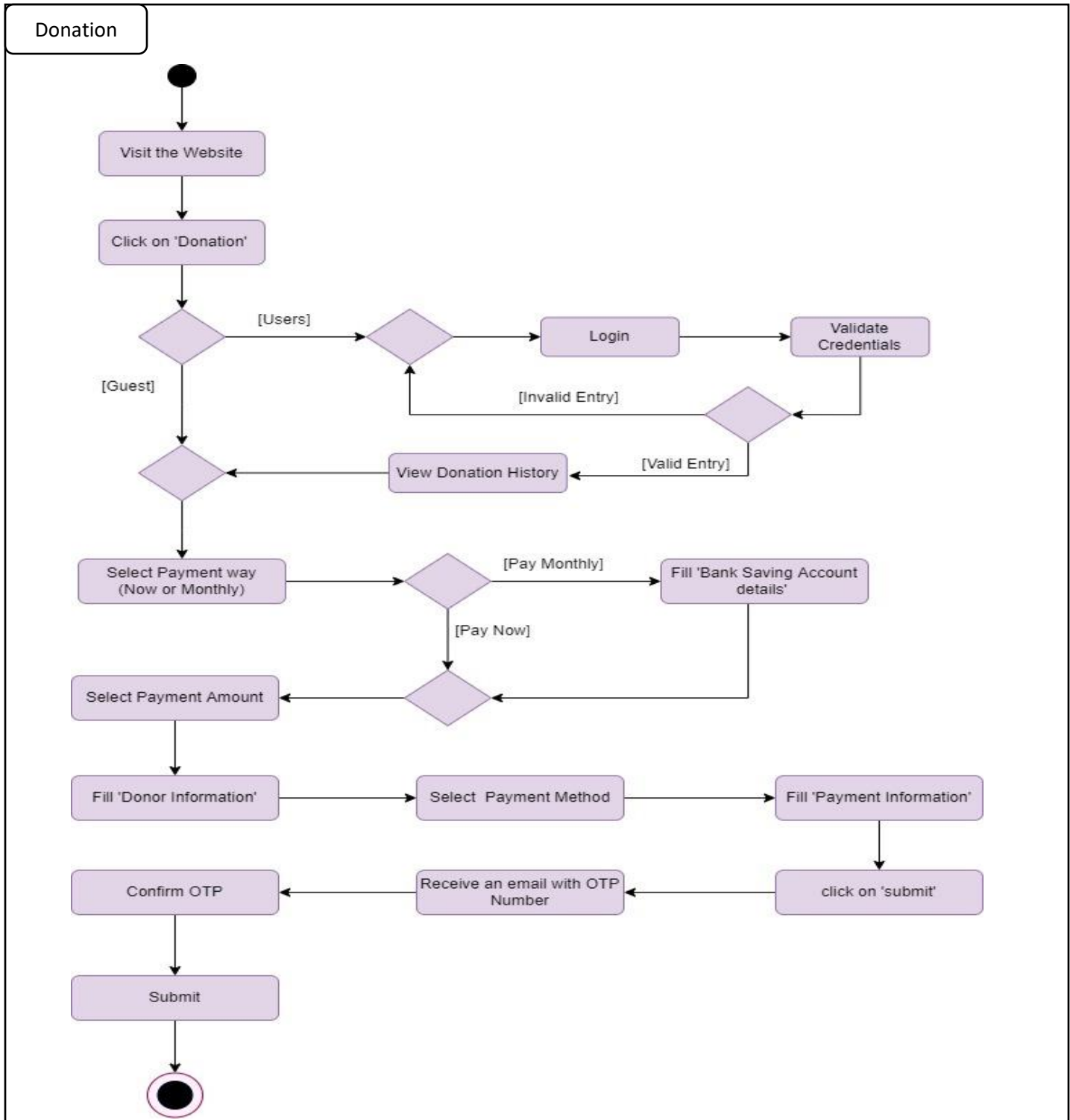
1) Actor- Guest and User.

Use case Name- Donation.

| | | |
|-----------------|--|---|
| Number | 2 | |
| Name | Donations | |
| Summary | Donate Funds for Wildlife Maintenance and Expenses | |
| Priority | 5 | |
| Pre-conditions | Anyone can Donate fund without registering | |
| Post-conditions | Receive an email about Donation | |
| Primary Actor | Guests and Users | |
| Trigger | Transfer Money | |
| Main Scenario | Steps | Actions |
| | 01 | Go to Home page of the site. |
| | 02 | Go to Donation page. |
| | 03 | Select Pay now or Pay Monthly. |
| | 04 | Select Donation Amount. |
| | 05 | Enter Donor Information. |
| | 06 | Choose Payment method. |
| | 07 | If you select card payment, Enter Card Details. |
| | 08 | Click on 'Submit' after filling details. |
| | 09 | Receives an email with a OTP number for the confirmation of the payment |
| | 10 | Submit |
| Extension | Steps | Branching Action |
| | 8a | Display an error message if the account balance is insufficient. |
| | 8b | Direct back to Donation page. |
| Open issues | 1 | Should the system ask customer to enter another payment method? |

Part I- 02

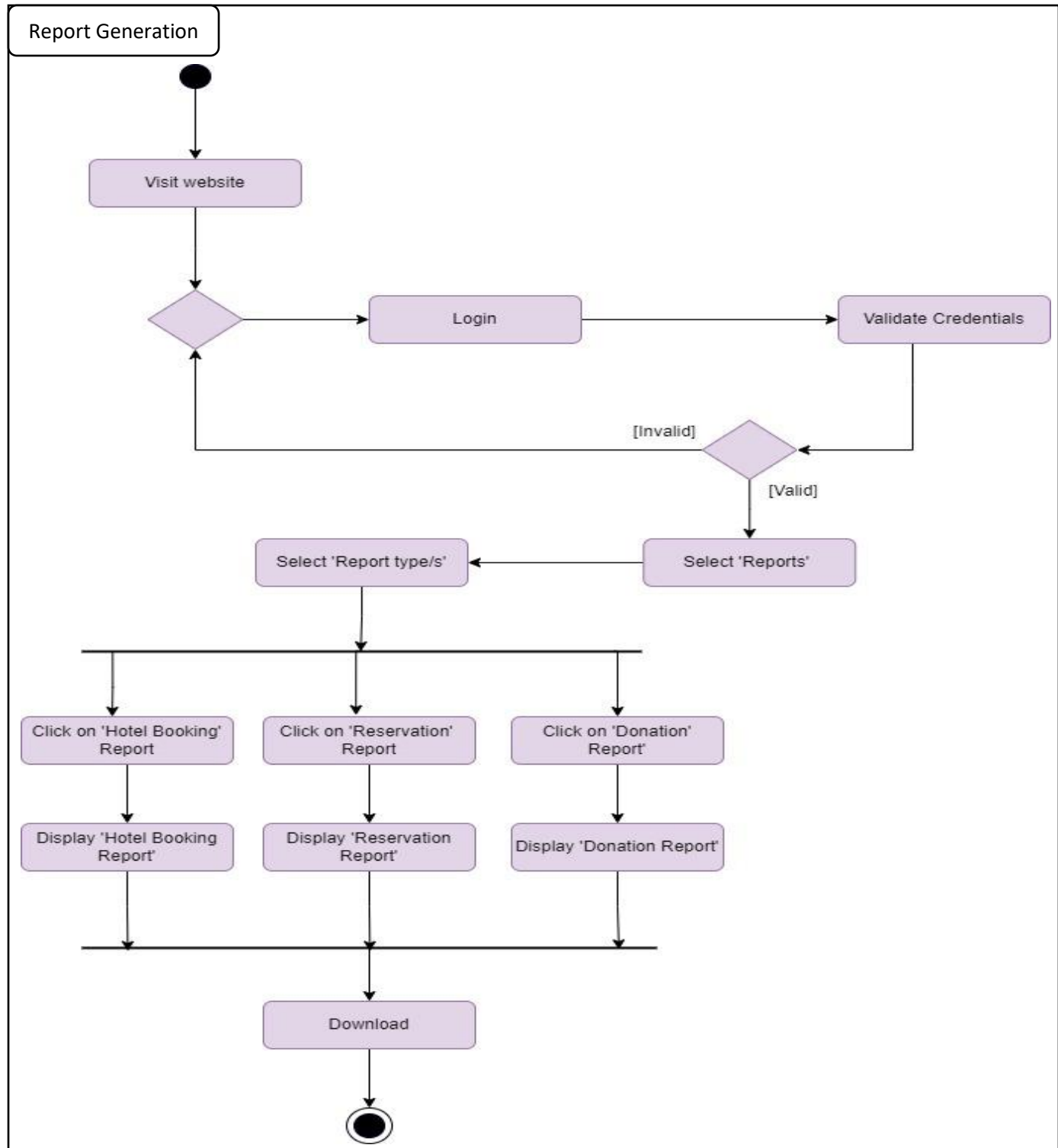
Activity Diagram- Donation.



2) Actor- Manager
Use case Name-Report Generation.

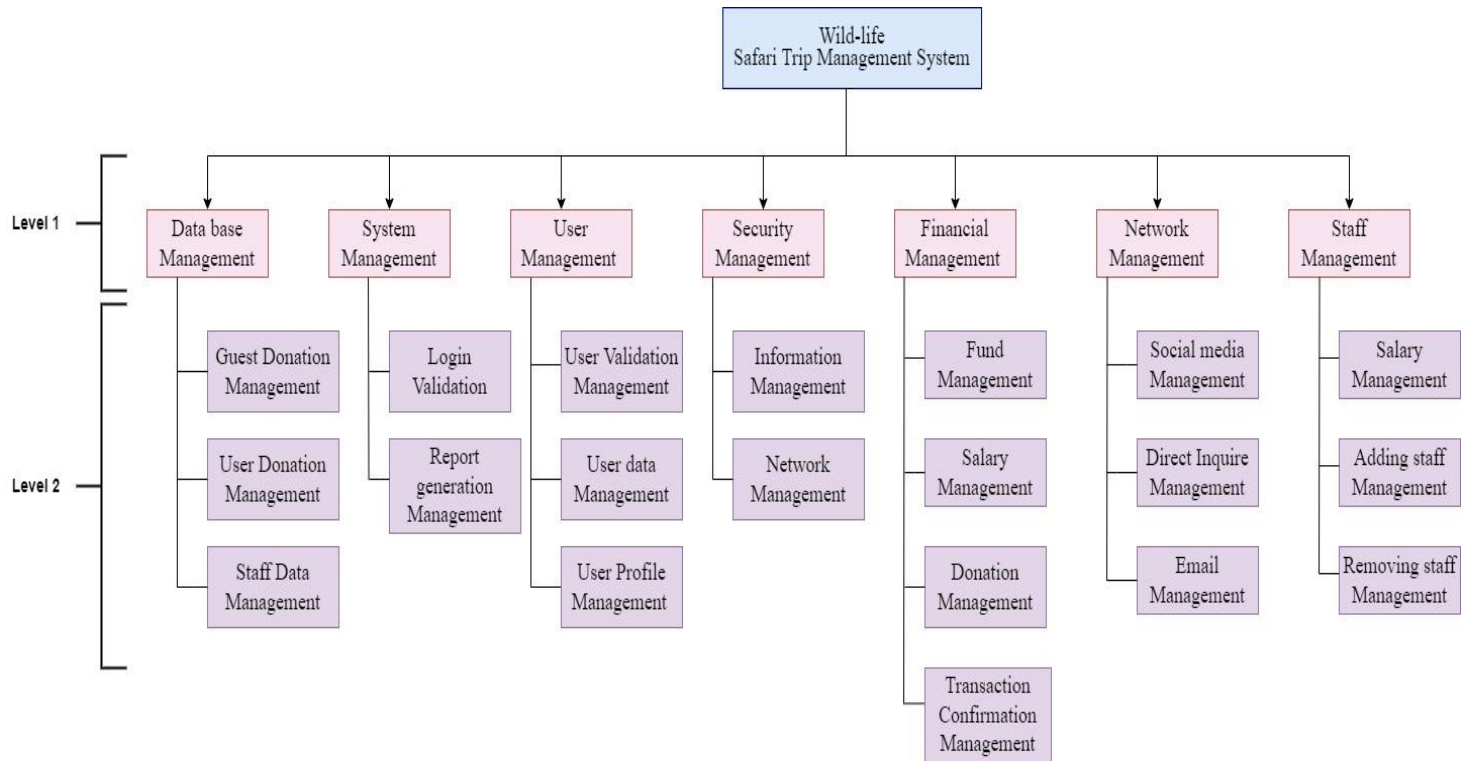
| | | |
|-----------------|--|--|
| Number | 06 | |
| Name | Report Generation | |
| Summary | Generating Reports for Donation, Reservation, Hotel Booking. | |
| Priority | 4 | |
| Pre-conditions | Login to the system | |
| Post-conditions | Display Generated Report | |
| Primary Actor | Manager | |
| Trigger | Getting Daily Reports | |
| Main Scenario | Steps | Actions |
| | 01 | Go to Home page of the site. |
| | 02 | Login to the system using Staff User Credentials |
| | 03 | Select 'Reports' |
| | 04 | Select Required Report Type. |
| | 05 | Select Date gap. |
| | 06 | Click on "Select". |
| | 07 | System Displays the Report(s) |
| | 08 | Click on 'Download'. |
| Extension | Steps | Branching Action |
| | 2a | If Login credentials are wrong, System ask User to re-enter credentials. |
| | 5a | Display an error message if there's no activity on selected date gap. |

Activity Diagram- Report Generation.

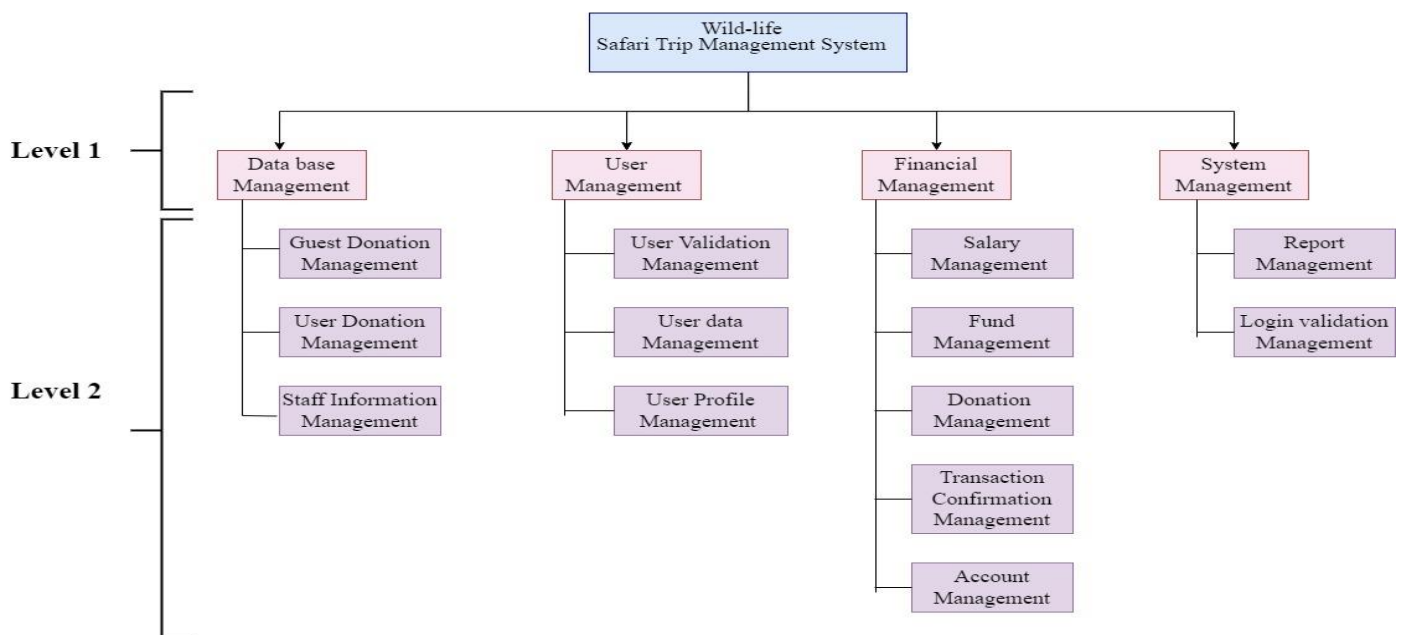


Part II- 02

1)

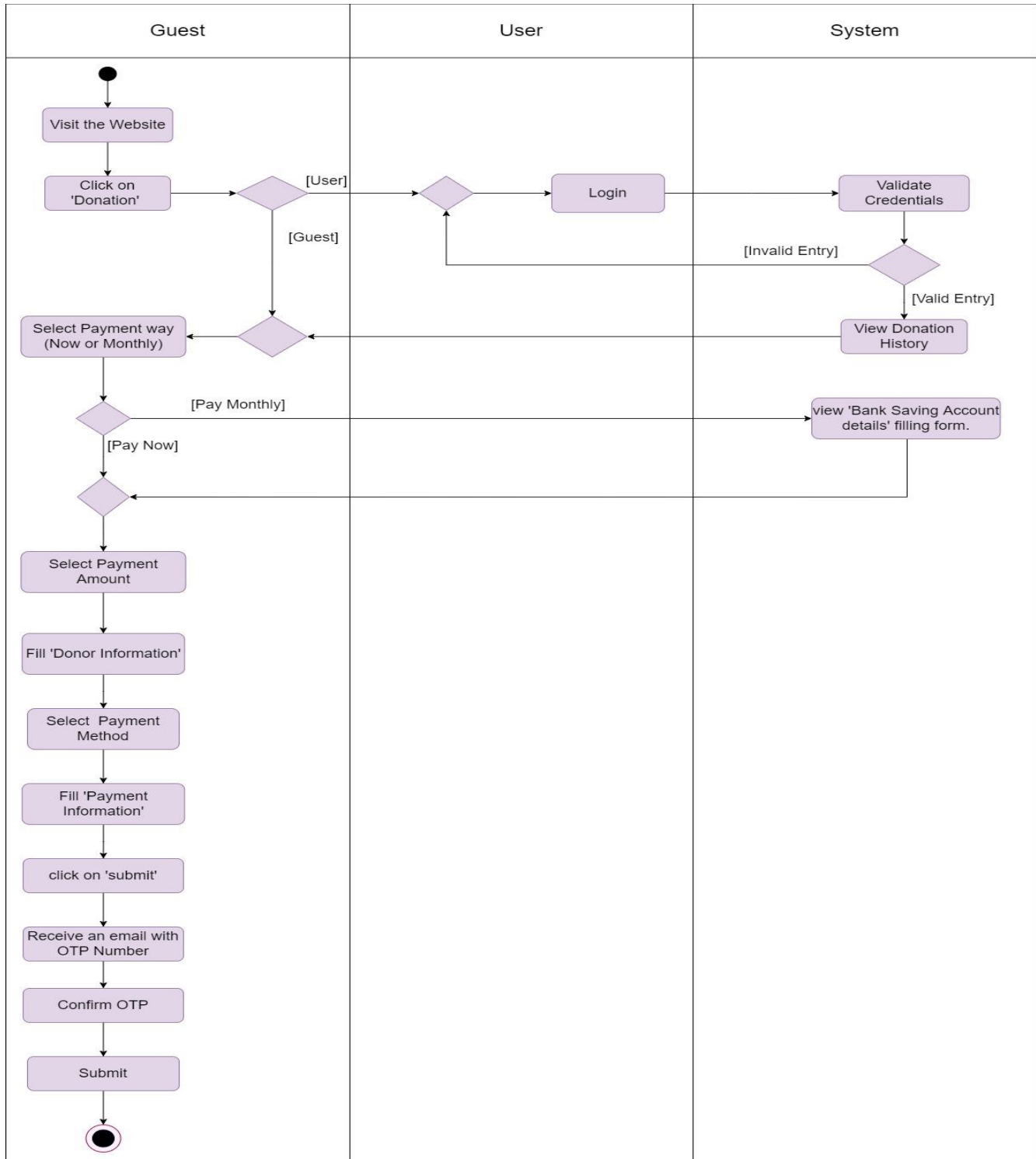


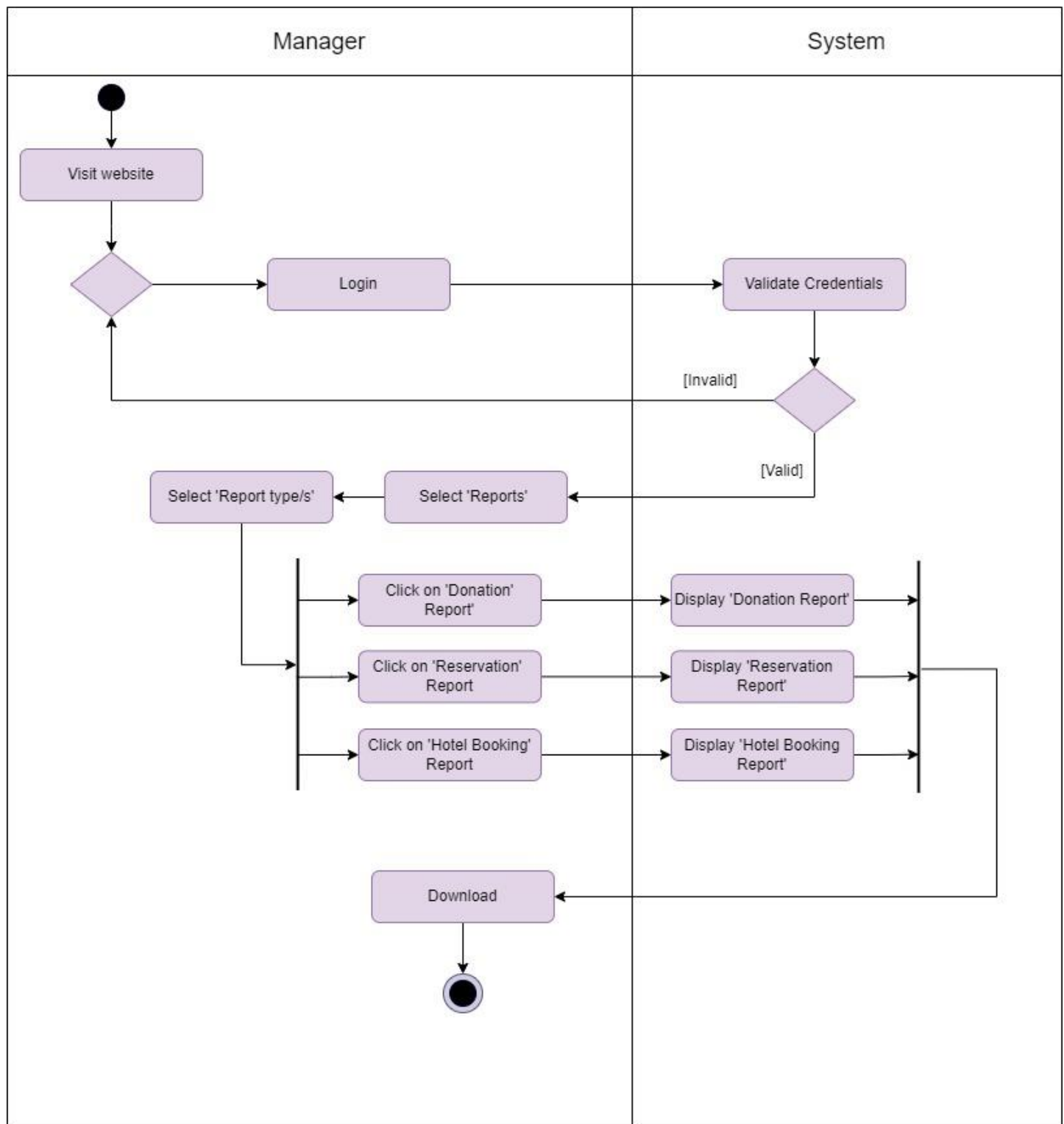
Related to Donation and Report Generation



2)

Partition diagram- For Donation



Partition diagram- For Report Generation.


The End