

IT2020 – Software Engineering

Year 2, Semester II, 2022

Group Assignment

**<<SE/OOP_MLB_WD_2022_S2_63 – Online Event
Planning System>>**

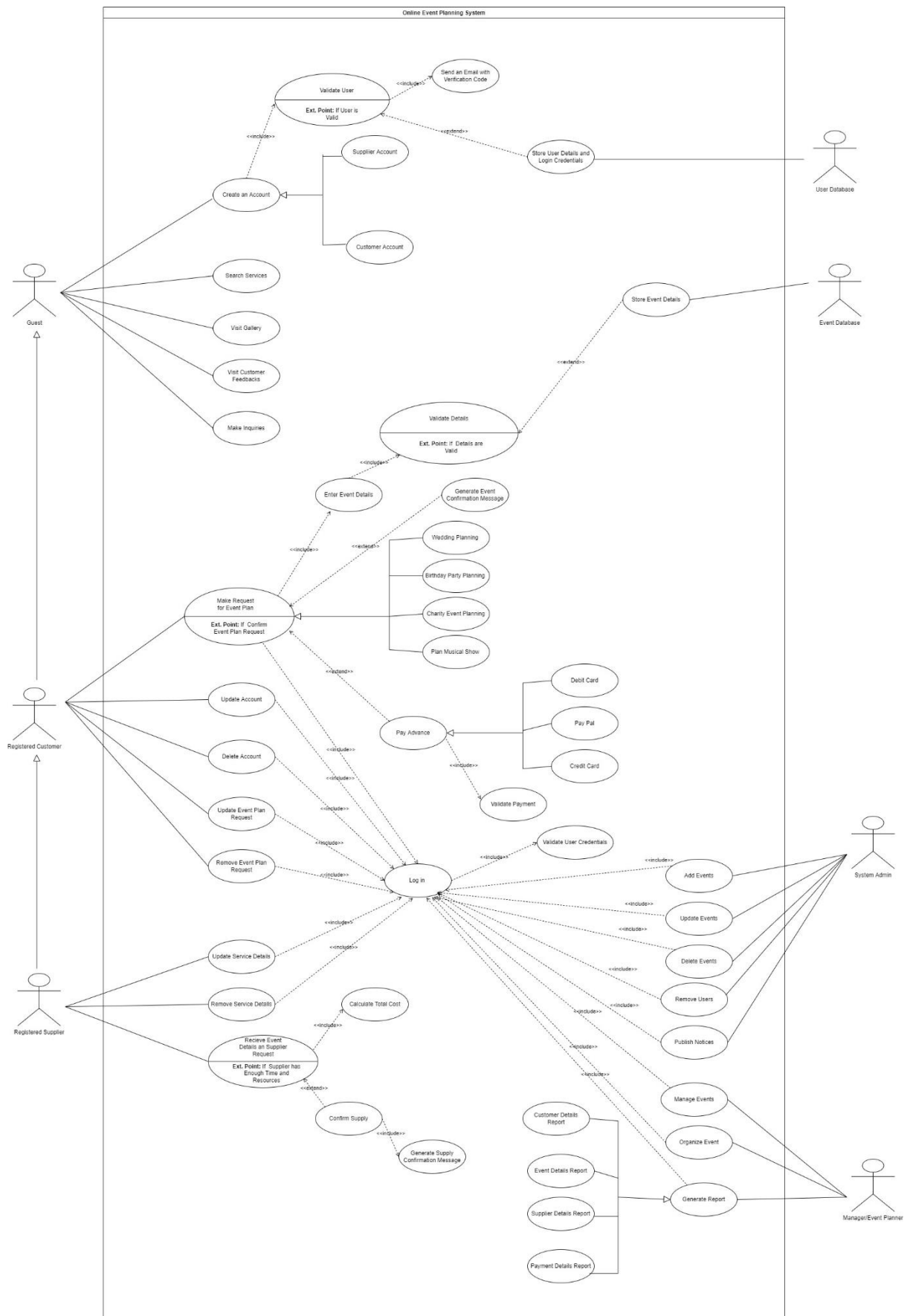
Group Details

Batch: Y2.S1.01.01/Y2.S1.01.02/Y2.S1.05.01/Y2.S1.08.02

SE/OOP Group Number: SE/OOP_MLB_WD_2022_S2_63

| | Student Registration Number | Student Name |
|----------|--|-------------------------|
| 1 | IT21177514 | Ransika M.R.T. |
| 2 | IT21177682 | Shehan H.A. |
| 3 | IT20655648 | Bandara J.M.O.N. |
| 4 | IT21266164 | Udayantha D.M.S. |

Use Case Diagram



Important: More clear Use Case Diagram is included in uploaded folder.

01.

Student ID: IT21177514

Student Name: Ransika M.R.T.

Student Group: Y2.S1.WD.IT.01.02

Function Name: Make Request for Birthday Party Plan

Use Case Scenario

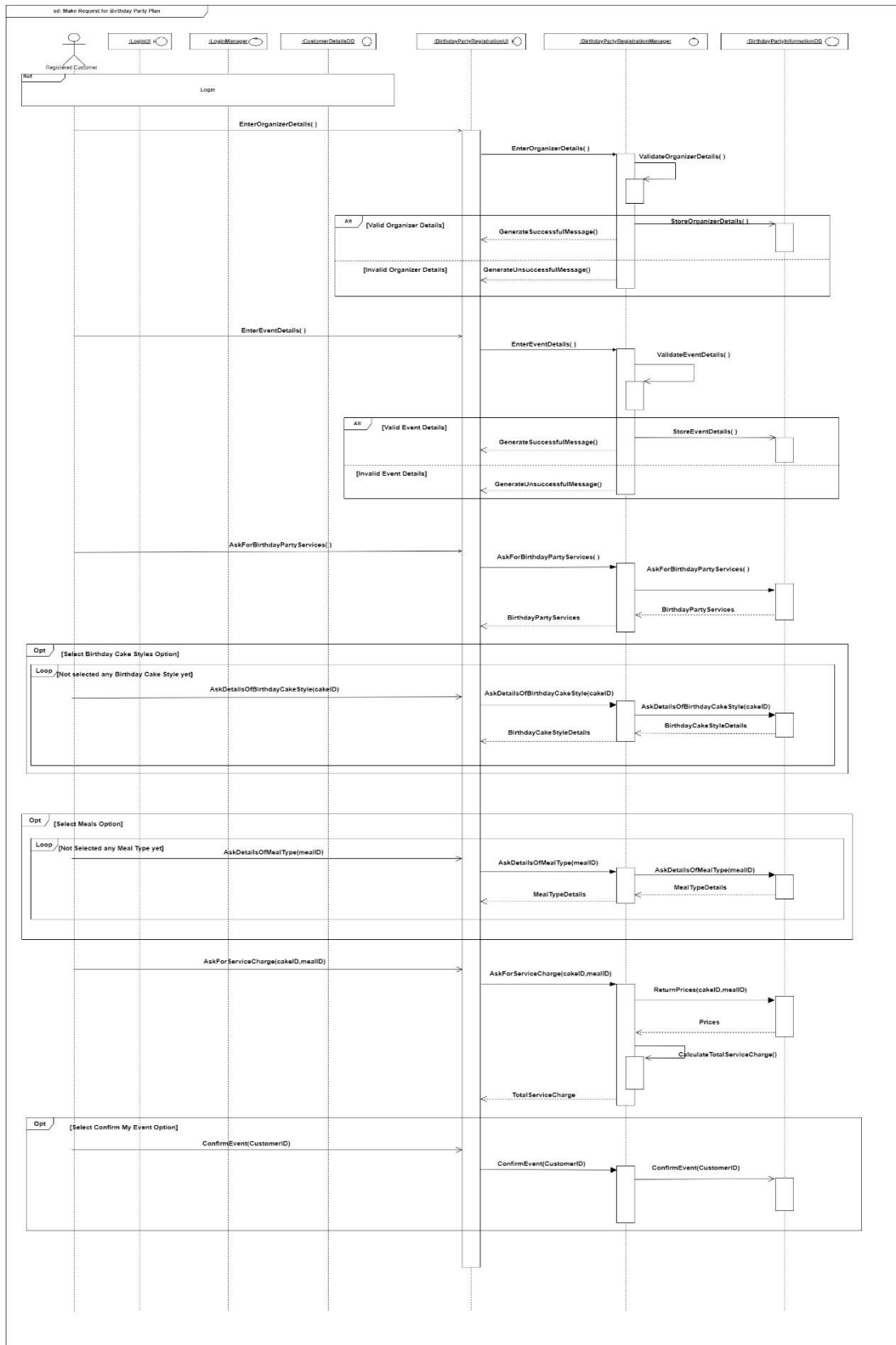
| | | |
|-------------------------|---|--|
| Use Case ID: | 001 | |
| Use case Name: | Make Request for Birthday Party Plan. | |
| Pre-Conditions: | 1.User should have created an account. (User should have registered password and registered e-mail address in system.) | |
| Post-Conditions: | User has made request for birthday party plan successfully and received service confirmation e-mail from system. | |
| Primary Actor: | Registered Customer. | |
| Trigger: | User clicks on “Birthday Party Plannings” button in home page. | |
| Main Scenario | Steps | Action |
| | 01 | System displays portal for enter e-mail address and password. |
| | 02 | User enters his/her e-mail address, password and clicks on “Sign-In” button. |
| | 03 | System validates the user. (By using User’s e-mail address and password.) |
| | 04 | System displays “Birthday Party Plannings” page. |
| | 05 | System displays “Organizer Details” window and asks for enter user’s (event organizer’s) details. (Name, Residence Address, Contact Number, E-mail Address etc.) |
| | 06 | User enters details and clicks on “Submit” Button. |
| | 07 | System validates organizer’s details, store details in database and display successful message. |
| | 08 | System displays “Event Details” window and asks for enter event details. (Date, Start Time, End Time, |

| | | |
|--|-----------|--|
| | | Number of Guests, Address of Venue, Contact Number of Venue etc.) |
| | 09 | User enters event details and clicks on “Submit” Button. |
| | 10 | System validates event details, store details in database and display successful message. |
| | 11 | System displays “Our Services for Birthday Parties” page. (Page has listed down all available services for a Birthday Party) |
| | 12 | User clicks on “Birthday Cakes” Button. |
| | 13 | System displays “Birthday Cakes” page and asks for enter preferred birthday cake style. (Page displays different types of birthday cake styles and their prices, available sizes, ingredients etc.) |
| | 14 | User checks available birthday cake styles and enter preferred birthday cake style. |
| | 15 | System displays successful message and directs to “Our Services for Birthday Parties” page. |
| | 16 | User clicks on “Meals” Button. |
| | 17 | System displays “Meals” page and asks for enter preferred meal types. (Page displays different types of meals and their prices per plate, ingredients etc.) |
| | 18 | User checks available meal types and enters preferred meal types. |
| | 19 | System displays successful message and directs to “Our Services for Birthday Parties” page. |
| | 20 | User clicks on “Decoration Packages” button. |

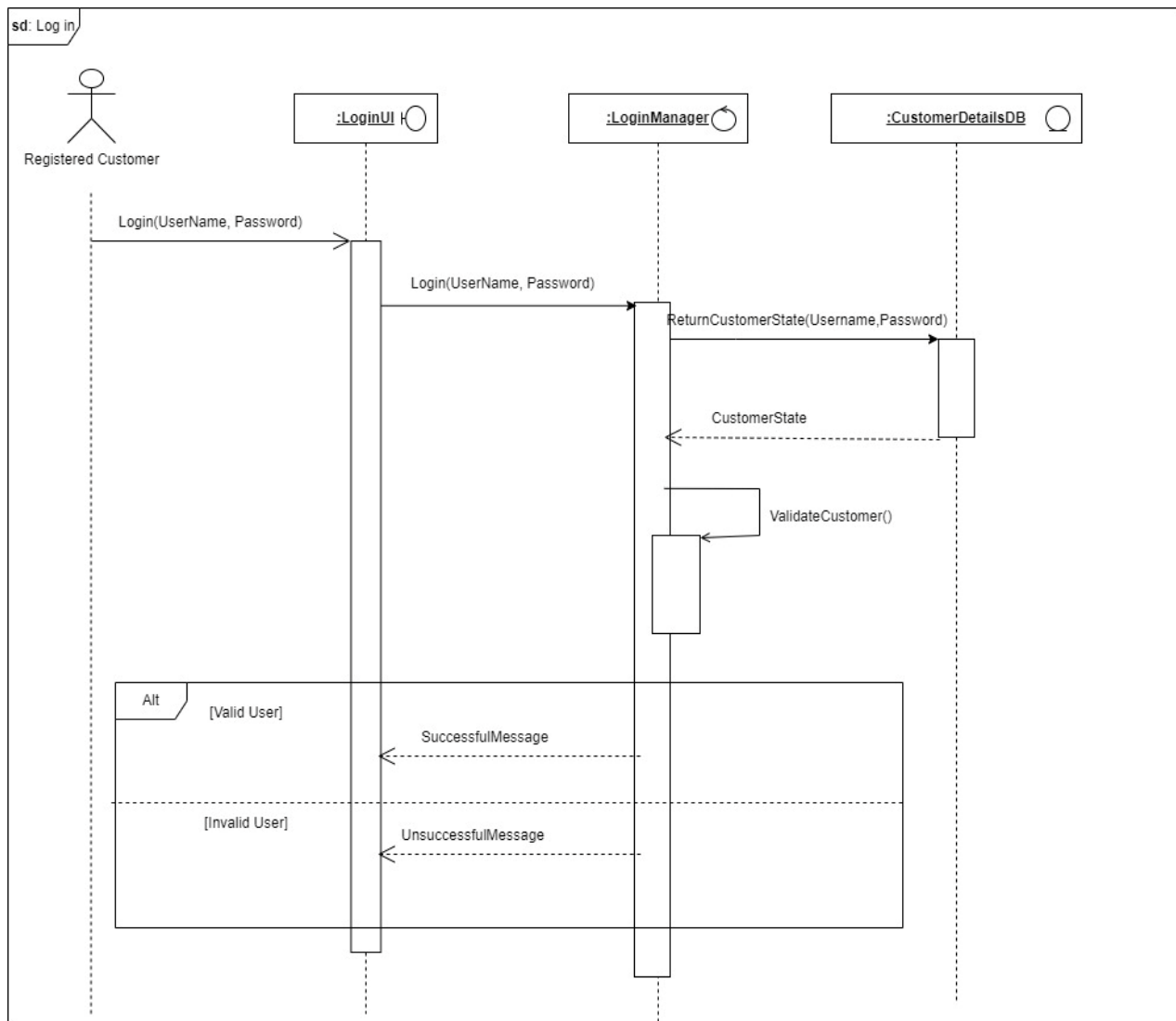
| | | |
|-------------------|-------------|---|
| | | |
| | 21 | System displays “Decoration Package” page and asks for enter preferred decoration package type. |
| | 22 | User checks available decoration packages and enters preferred type. |
| | 23 | System displays successful message and directs to “Our Services for Birthday Parties” page. |
| | 24 | User clicks on “Finish” button. |
| | 25 | System directs to “My Events” page. |
| | 26 | System calculates and displays approximate service charge for entire event plan, advance. |
| | 27 | User clicks on “Confirm My Event” button. |
| Extensions | Step | Branching Action |
| | 04.1 | System identifies user has entered invalid e-mail address or invalid password. |
| | 04.2 | System displays error message “Invalid e-mail address or password. Enter correct e-mail address and password again” and “Forgot Password” Option. |
| | 08.1 | System identifies user has entered invalid details. |
| | 08.2 | System displays error message and ask for re-enter organizer’s details. |
| | 11.1 | System identifies user has entered invalid details. |
| | 11.2 | System displays error message and ask for re-enter event details. |
| | 27.1 | User clicks on “Cancel My Event” Button. |
| | 27.2 | System exits from “My Events” page and directs to Home Page. |

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Main Sequence Diagram

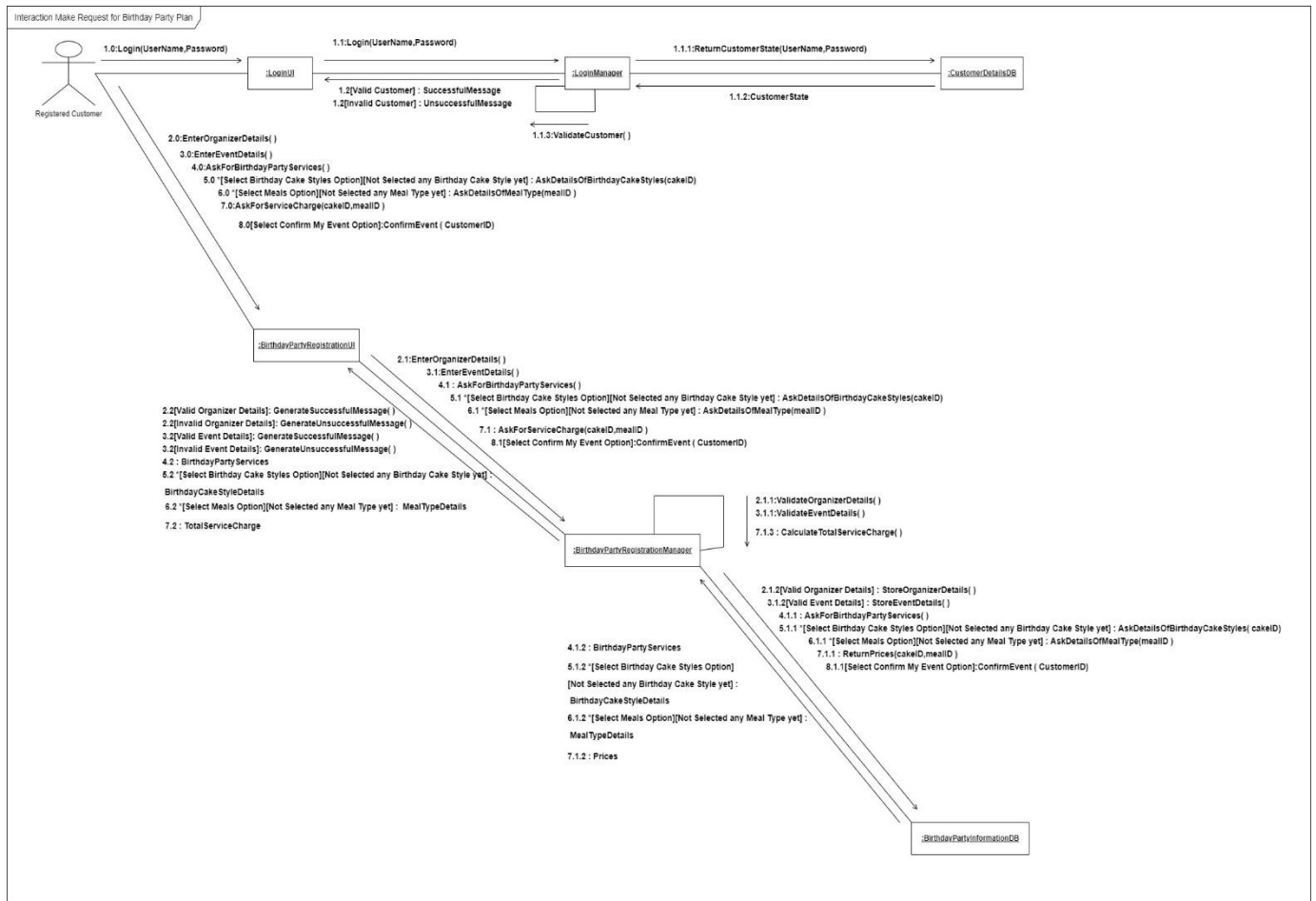


Sequence Diagram for Log in Function



Important: More clear Sequence Diagrams are included in uploaded folder.

Communication Diagram



Important: More clear Communication Diagrams is included in uploaded folder.

02.

Student ID: IT20655648

Student Name: Bandara J.M.O.N.

Student Group: Y2.S1.WD.IT.01.01

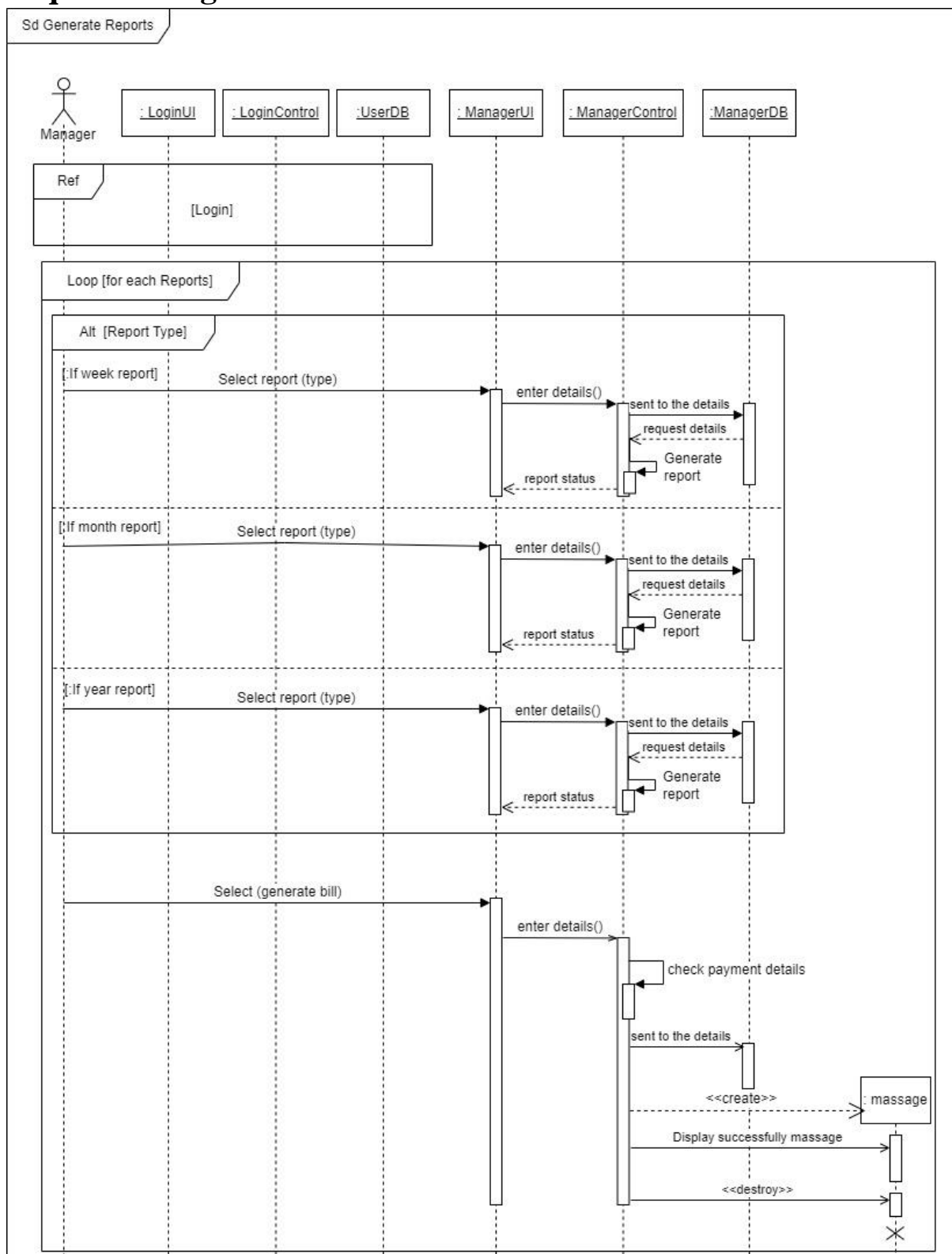
Function Name: Generate Report

Use Case Scenario

| | | |
|------------------------------|--|---|
| Use Case ID | 002 | |
| Use Case Name | Generate Reports | |
| Summary | Generate Reports , Generate Bill and check the payment | |
| Priority | 1 | |
| Preconditions | Manager should login to the his/her account and Generate Reports | |
| Postconditions | displayed Generate Reports | |
| Primary Actor | Manager | |
| Main Success Scenario | Step | Action |
| | 1 | Manager login in to the system. |
| | 2 | System validates user name and password. |
| | 3 | Navigate to the his/her account page. |
| | 4 | Clicks the generate reports Button |
| | 5 | System show report types (weekly, Monthly, Yearly report) |
| | 6 | Manager select the report type |
| | 7 | Enter details and update the report |
| | 8 | Save the report and system auto generate the reports |
| | 9 | System display a message “Report is successfully generated” |
| | 10 | Manager exit from the generate reports. |
| | 11 | Manager select the generate bill section. |
| | 12 | Manager enter the bill details. |
| | 13 | Check the payment details and save |
| | 14 | System generate the bill and display the “Bill is generate d successfully” message. |
| | 15 | System send the final bill to the customer or supplier via e-mail. |
| | 16 | Manager exit from the generate bill. |

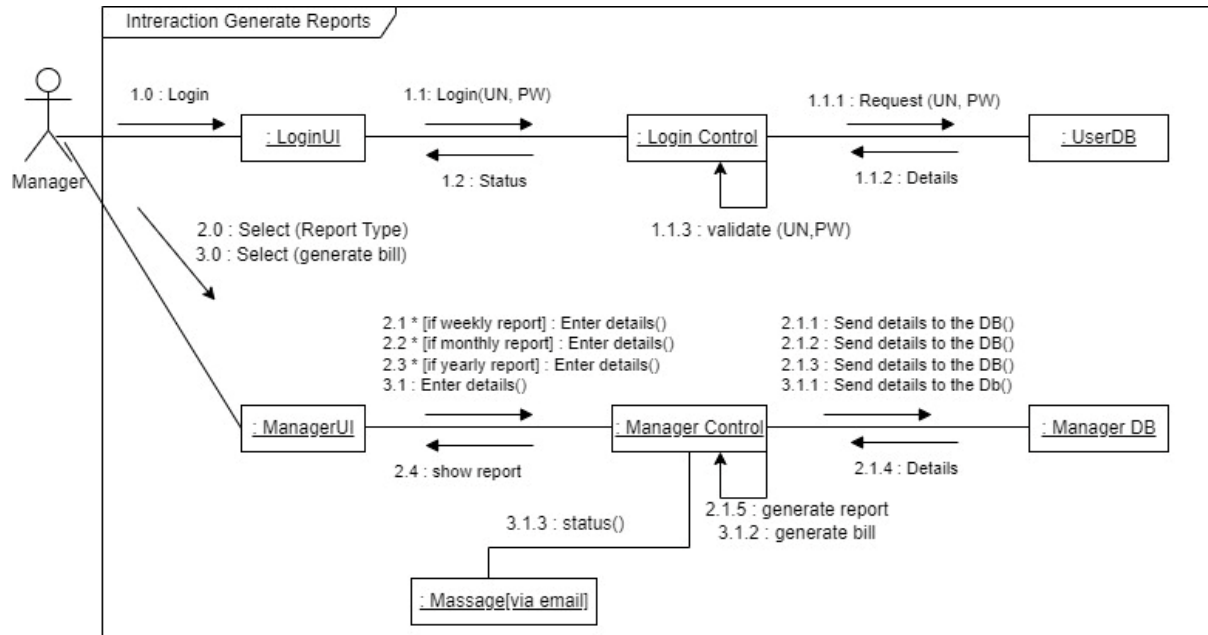
| | | |
|--------------------|-------------|---|
| | 17 | Log out the system. |
| Extensions | Step | Branching actions |
| | 2a | User name or password is incorrect |
| | 2b | user will get an error message |
| | 2c | user get 3 more attempts |
| | 9a | Manager can download or share the report |
| | 13a | If payment details are incorrect, reenter the correct details to the bill |
| | 13b | Check and verify payment details |
| Open Issues | | forget your password? |

Sequence Diagram



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Communication Diagram



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03.

Student ID: IT21177682

Student Name: Shehan H.A.

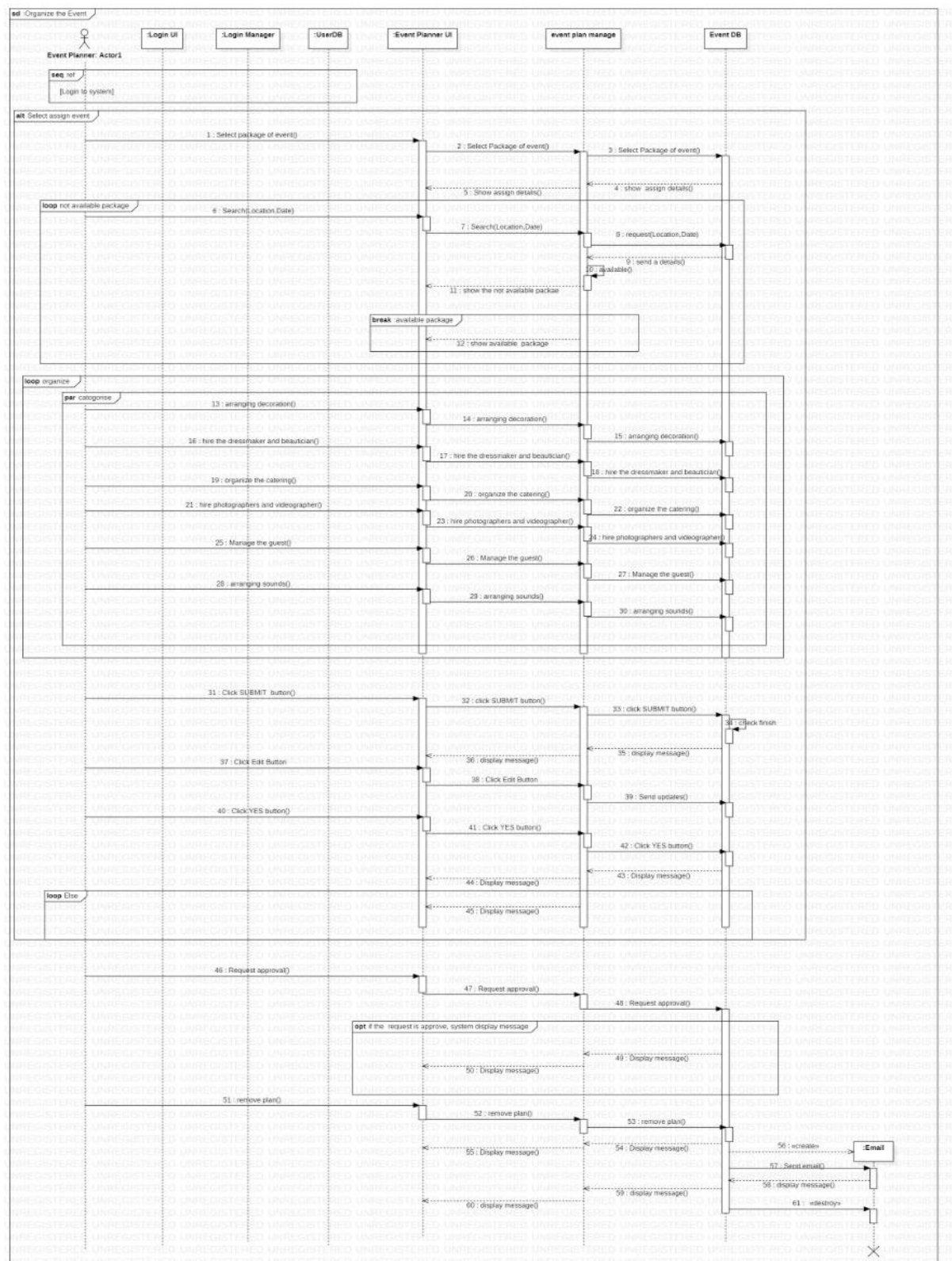
Student Group: Y2.S1.WD.IT.08.02

Function Name: Organize Events

Use Case Scenario

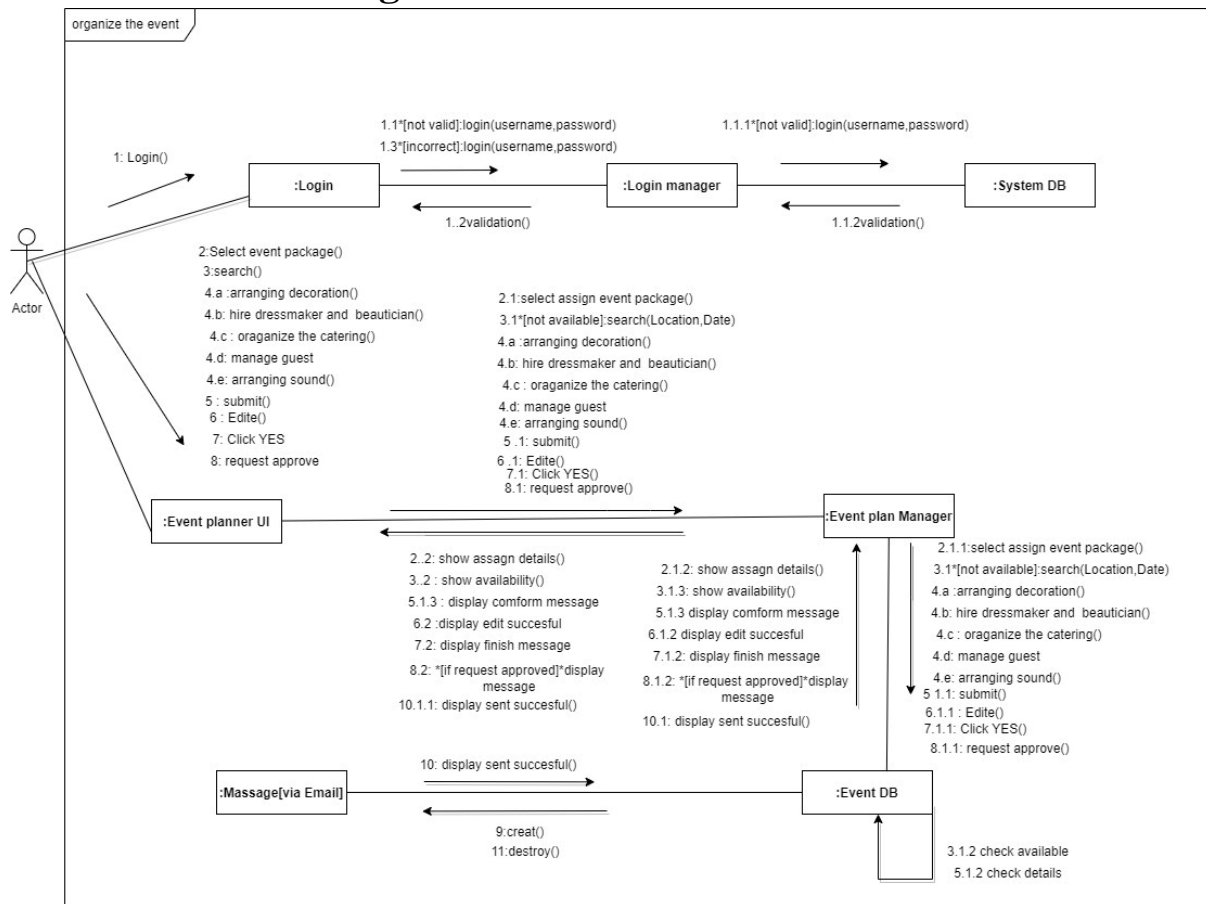
| | | |
|-----------------------|--|---|
| ID | 003 | |
| Name | Organize events | |
| Summary | Event planner plan the event arranges decoration, organize catering, hire photographers, manage guest, coordinate dressmakers and beauticians, arranging sounds. | |
| Pre-Condition | | |
| Post-Condition | Notify assign events. | |
| Priority | 1 | |
| Primary Actor | Event Planner | |
| Triggers | Managing all the requirements for the event | |
| Main Scenario | Step | Action |
| | 1 | Go to login page |
| | 2 | Login with Username and Password |
| | 3 | Land home page |
| | 4 | Event planner click service tab |
| | 5 | System shows the type of event packages |
| | 6 | Event planner select the package |
| | 7 | System show the enter the location and date |
| | 8 | Enter the ceromancy location and date for check the available |
| | 9 | Event planner arrange decorations |
| | 10 | Event planner hire dressmaker and beautician |
| | 11 | Event planner organize the catering |
| | 12 | Event planner manage the guest |
| | 13 | Event planner hire photographers and videographers |
| | 14 | Event planner arranging sounds and entertainment |
| | 15 | Event planner click 'SUBMIT' button to finish the event |
| | 16 | Event planner check the event has finished |
| | 17 | Message will display asking that "Are you sure you finished the event?" |
| | 18 | Event planner click 'Yes' |
| | 19 | Send a request message to admin to get approval for finish the event |
| | 20 | System shows message 'Event is successfully completed.' |
| | 21 | Event planner sends an report to customer that the event was successfully completed via email (Create message) |
| | 22 | System shows message 'Email was successfully sent.' |
| | 23 | System will delete the email message (Delete message) |
| | 24 | Event planner will delete the unsuccessfully plans |
| | 25 | Event planner logout the system |
| Extensions | Step | Action |
| | 2a | If Event planner does not provide valid login, the system will provide a message 'Invalid login.' |
| | 2b | If not re-enter valid login again |
| | 4a | If there are no assign events, display 'Events are not available yet.' |
| | 16a | if it was not completed you will click the edit button and change the details |
| | 19a | If the request is approved, the system will provide a message 'The event was successfully concluded and approved by the admin.' |

Sequence Diagram



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Communication Diagram



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04.

Student ID: IT21266164

Student Name: Udayantha D.M.S.

Student Group: Y2.S1.WD.IT.05.01

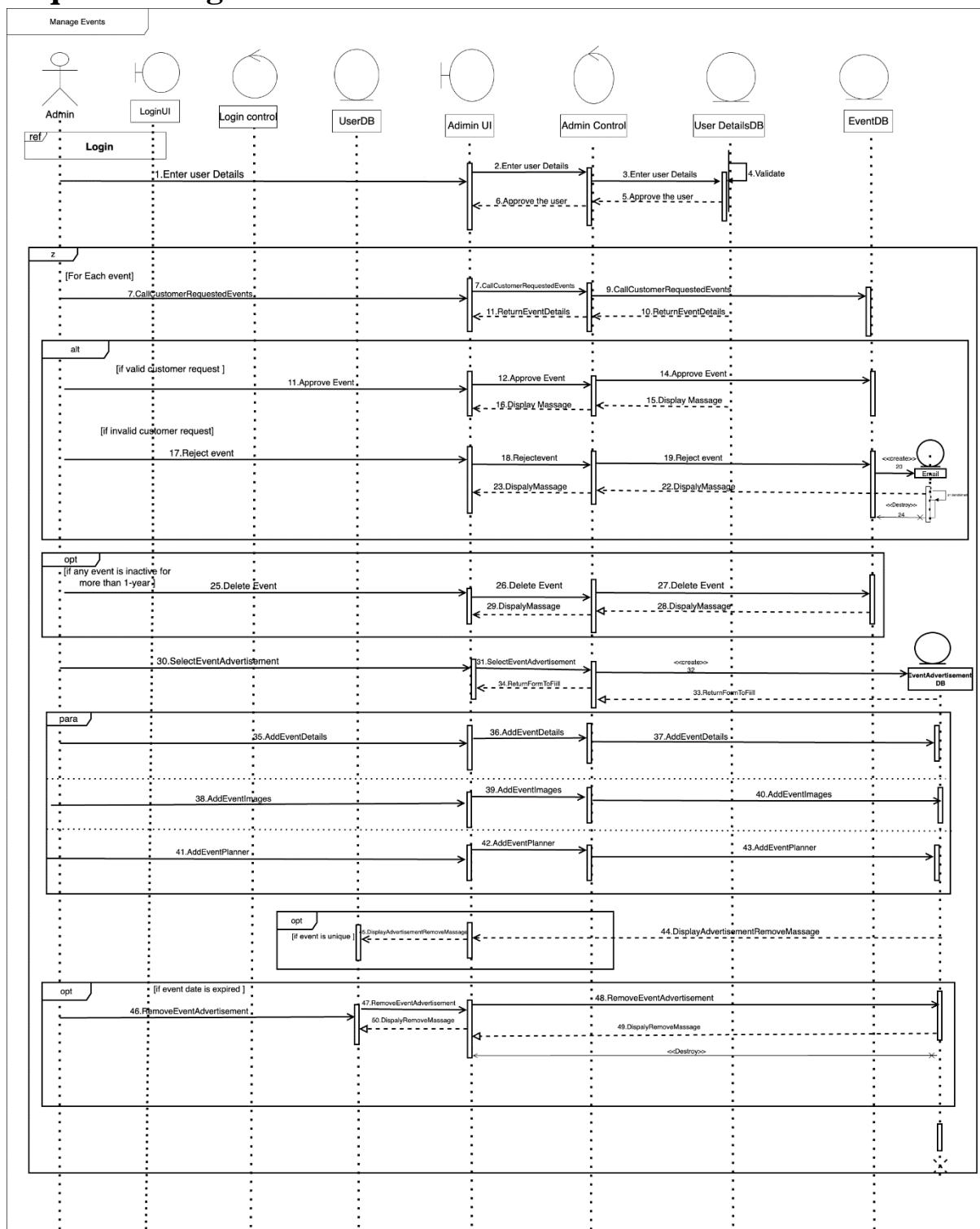
Function Name: Manage Events

Use Case Scenario

| | | |
|------------------------------|---|---|
| Use Case ID | 004 | |
| Use Case Name | Manage events | |
| Summary | Admin manage events by approve events, update events, rejects events and add/remove event advertisement | |
| Priority | 1 | |
| Preconditions | Customer request an event | |
| Postconditions | | |
| Primary Actor | System Administrator | |
| Main Success Scenario | Step | Action |
| | 1 | Go to login page |
| | 2 | Login with admin Username and Password |
| | 3 | Navigate to admin page |
| | 4 | Admin select Manage event tab |
| | 5 | For each event, system shows to select the options from approve events, update event list, reject events or add/remove event advertisements |
| | 6 | Admin select the Approve event option |
| | 7 | System shows customer event requests |
| | 8 | Admin approves the event |
| | 9 | Update the event list |
| | 10 | If customer requests are invalid, admin rejects the events |
| | 11 | System shows the message, 'The event is rejected' |
| | 12 | System send an email to customer who requested the event |
| | 13 | If any event is inactive for 1 year, system prompts the relevant "event is not used for 1 year" |
| | 14 | Admin delete all the inactive events |
| | 15 | Update the event list |
| | 16 | Admin select Add advertisement option |

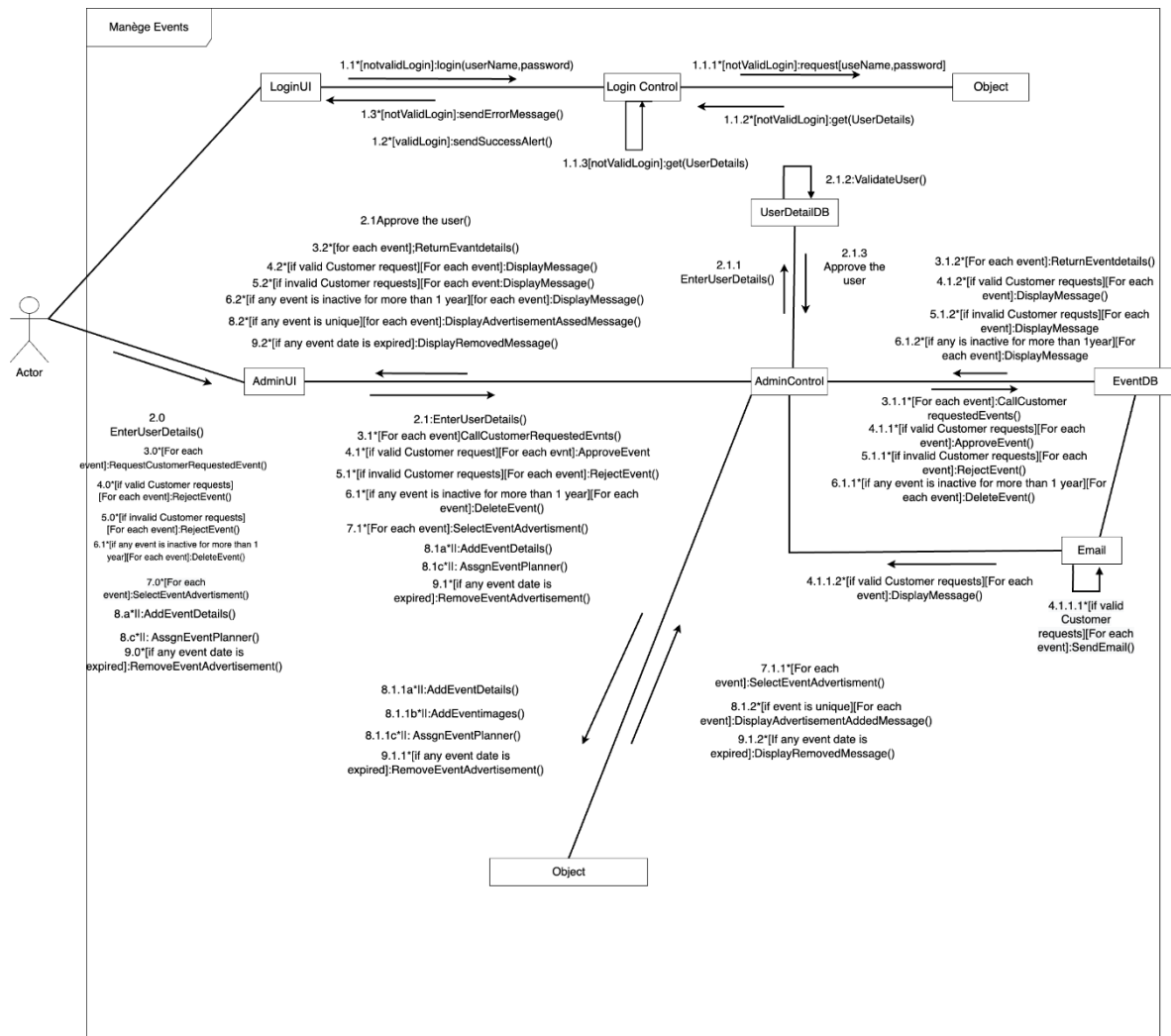
| | 17 | System generates a New event |
|------------|------|--|
| | 18 | System shows a form to enter new event details |
| | 19 | Admin enter event details |
| | 20 | Admin enter event images |
| | 21 | Admin assign event planner to event |
| | 22 | Admin submit add event button |
| | 23 | System shows message "Add an event successfully" |
| | 24 | If event date is expired, admin remove the event advertisement |
| | 25 | System shows message "Remove the event successfully" |
| Extensions | Step | Action |
| | 2a | If admin Username and Password is incorrect, the system will provide a message 'Enter details again' |
| | 9a | If event list is updated, prompts successful message |
| | 15a | If event list is updated, prompts successful message |
| | 17a | If the event is not similar with other advertisement system prompts," Add Advertisement" |

Sequence Diagram



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Communication Diagram



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Contribution

| Reg. No | Name | Function Name |
|------------|------------------|--------------------------------------|
| IT21177514 | Ransika M.R.T. | Make Request for Birthday Party Plan |
| IT20655648 | Bandara J.M.O.N. | Generate Reports |
| IT21177682 | Shehan H.A. | Organize Events |
| IT21266164 | Udayantha D.M.S. | Manage Events |