Assignment 2 Cover Sheet

CASE STUDY NAME	Diet Planning & Health Check-up System
PROJECT ID	MLB_15.01_07

Group Details:

	Student Registration Number	**Student Name**
1	IT22575562	WIJEKOON W.M.M.G.K.P
2	IT22567642	THILAKARATHNA P.L.B.H
3	IT22591098	JAYALATH J.P.R.J
4	IT22566034	PERERA K.C.D
5	IT22217622	HETTIARACHCHI A.N.M

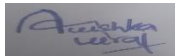# Assignment 2 Certify Sheet

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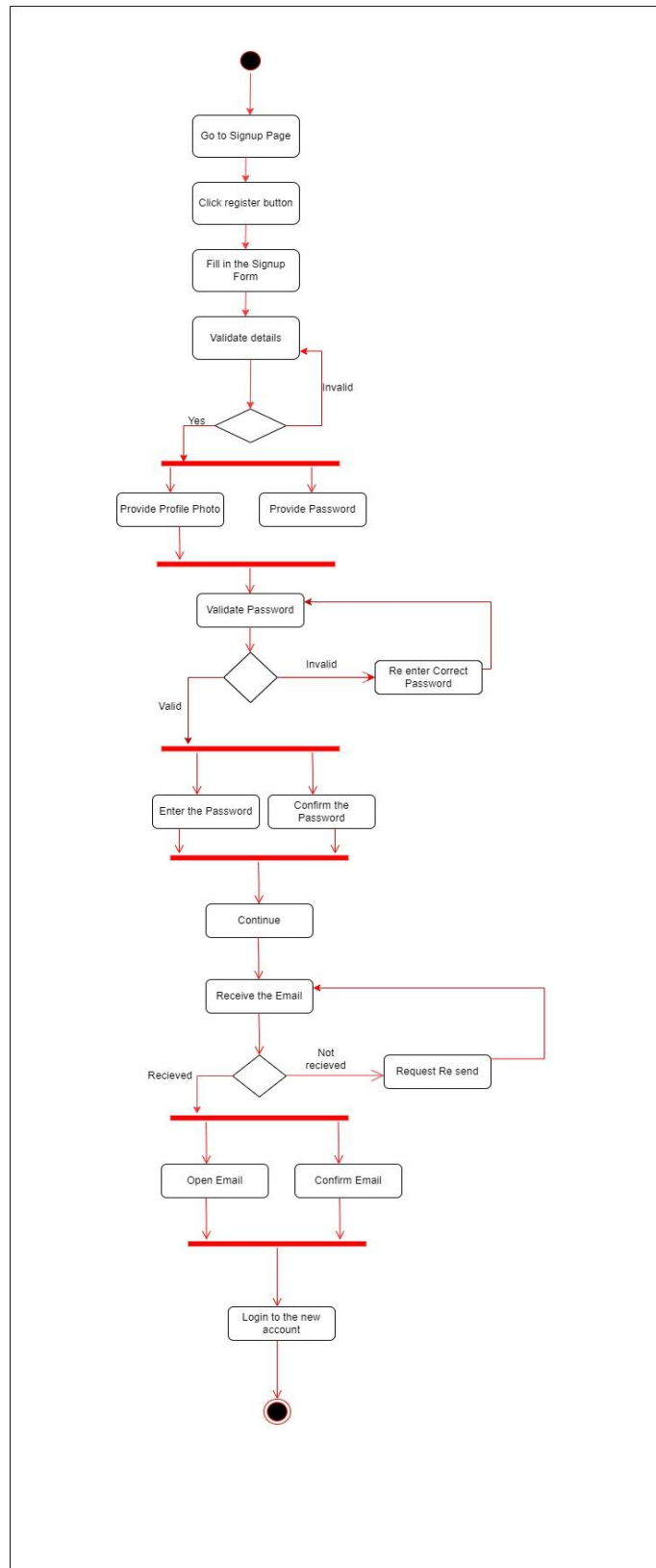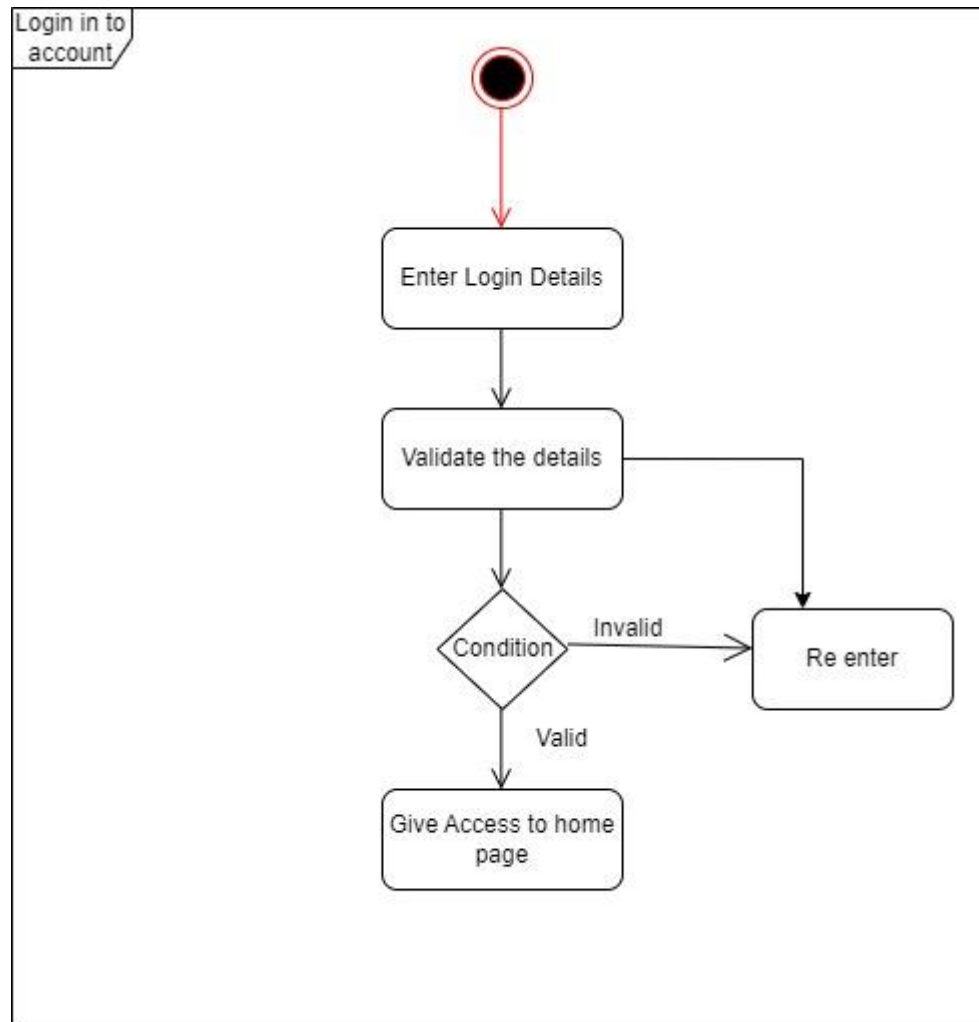
Student Details:

Student Name	Student Registration Number	Date	Signature
Hettiarachchi A N M	IT22217622	29.05.2023	

Part 1

1. Use case scenario – Register

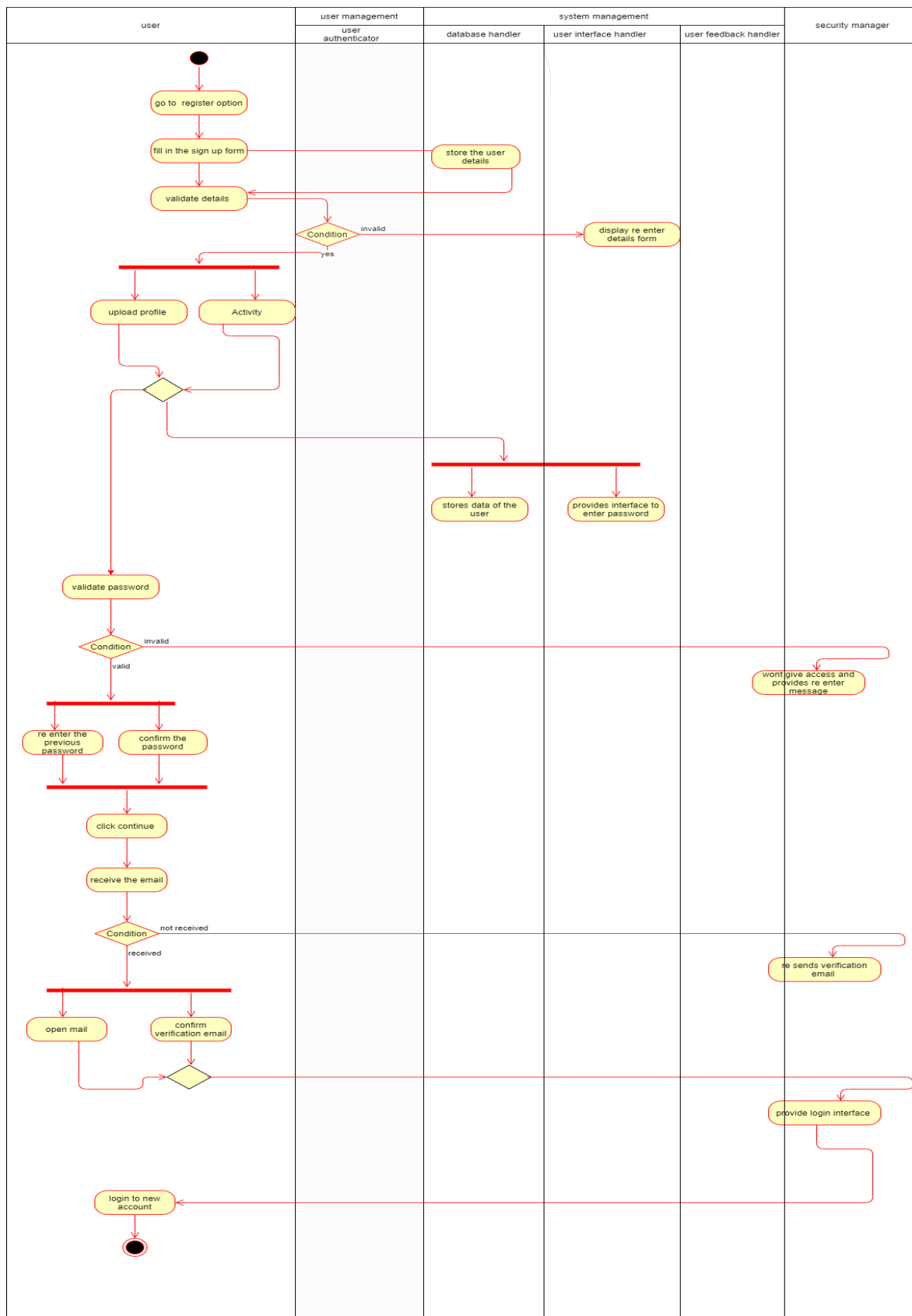| Number		001
Name		Register
Summery		User will be able to register to the website by creating an account
Priority		01
Pre-Condition(s)		Users must visit the website
Post-Condition(s)		The system sends an email of gratitude to a user with a note to confirm successful registration
Primary Actor(s)		User-client
Trigger		client chooses to register
Main Scenario	**Step**	**Action**
	1	User navigates to the "**sign up**" page
	2	User clicks on the "**register**" button
	3	System loads and displays register requirements
	4	User enters the requirements requested and clicks next
	5	User provides a suitable profile photo
	6	System requests the user to enter a password
	7	User keys in a suitable password
	8	System requests the user to re-enter the password
	9	User re-enters the password
	10	User confirms by selecting "**confirm password**"
	11	user clicks on the "continue" button
	12	system store up the user details and opens a new account
	13	system sends an confirmation email to the user
	14	User opens the email and confirms
	15	User logs into his new account
Extensions	**Step**	**Branching Action**
	8a	User enters a password that doesn't fit the requirements
	9a	User enters the incorrect password during re-confirmation
	12a	User fails to get the email
	12b	User requests the system to send the email again by clicking on" **Resend email**"
	12c	System resends email to the user

Change
Password

```
                              ●
                              │
                              ▼
                    ┌──────────────────┐
                    │  User enters the  │
                    │ incorrect password │
                    └──────────────────┘
                              │
                              ▼
                    ┌──────────────────┐
                    │ User has Forgotten │
                    │     password      │
                    └──────────────────┘
                              │
                              ▼
                    ┌──────────────────┐
                    │ User selects "Forgot │
                    │     Password"     │
                    └──────────────────┘
                              │
                              ▼
                    ┌──────────────────┐
                    │ User if provided with │◄──────────────┐
                    │ a Link to type the new │              │
                    │     Password      │              │
                    └──────────────────┘              │
                              │                        │
                              ▼            Not          │
                            ◇ ◇         recieved        │
                         Condition ──────────────► ┌──────────────────┐
                            ◇ ◇                     │ request to resend link │
                              │                     └──────────────────┘
                          Recieved
                              ▼
                    ┌──────────────────┐
                    │  Enter the new    │
                    │    password       │
                    └──────────────────┘
                              │
                              ▼
                              ◉
```

Part 2

user	user management	system management			security manager
	user authenticator	database handler	user interface handler	user feedback handler	

- go to register option
- fill in the sign up form
- store the user details
- validate details
- Condition — invalid
- display re enter details form
- yes
- upload profile
- Activity
- stores data of the user
- provides interface to enter password
- validate password
- Condition — invalid
- wont give access and provides re enter message
- valid
- re enter the previous password
- confirm the password
- click continue
- receive the email
- Condition — not received
- re sends verification email
- received
- open mail
- confirm verification email
- provide login interface
- login to new account

Assignment 2 Certify Sheet

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Student Details:

Student Name	Student Registration Number	Date	Signature
THILAKARATHNA B.L.B.H	IT22567642	29.05.2023	

Part 01-
Use case scenario – Health checkup system

Number	002
Name	Health checkup system
Summery	User can checkup his health and get a medical report
Priority	
Pre-Condition(s)	User must have an appointment to meet a doctor
Post-Condition(s)	02
Primary Actor(s)	Registered user
Trigger	User has decided to make an appointment
Main Scenario	**Step**	**Action**
	01	User logs in.
	02	User management verifies the login details.
	03	System displays the homepage.
	04	User enter the health checkup system via click on the relevant button.
	05	User enter the checkup category selecting section.
	06	User selects the category, suitable package and preferred doctor.
	07	User clicks the "submit details" button after his selections.
	08	System allocates a time to user for a checkup.
	09	System informs to user allocated time via both SMS and Email.
	10	If user wants to change the allocated time, he calls the reception. Then the system allocates a new time for him.
	11	If user got preferred time, then he enters payment portal.
	12	If the payment had unsuccessfully, he enters payment portal again.
	13	If the user makes the payment successfully, then he enters service method portal.
	14	After user choose service method successfully health data management generate a final medical report.
	15	If user do mistake when he choosing a service method he clicks the "cancel" button. Then system takes user into service method portal again.
	16	User management update the database.

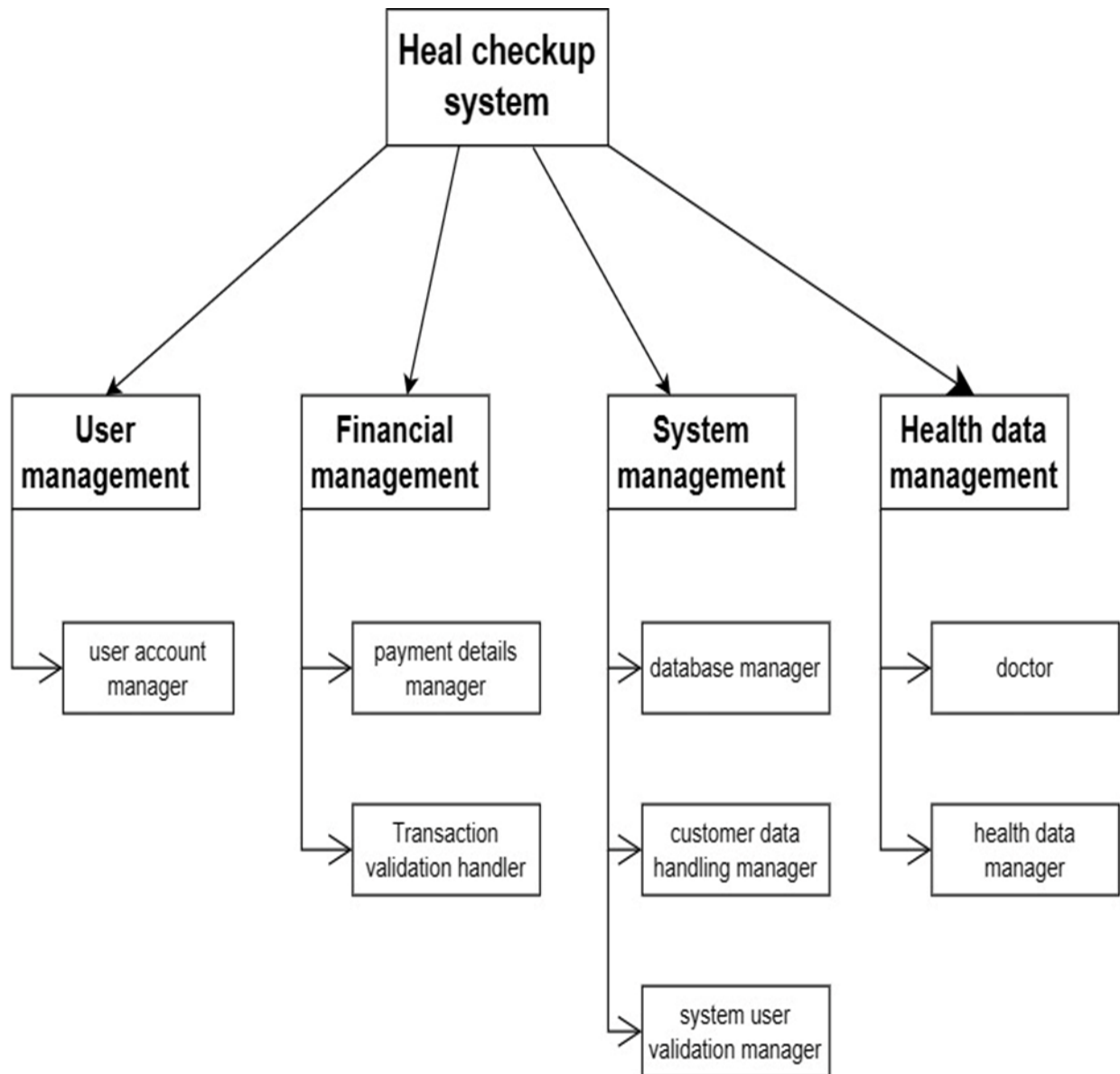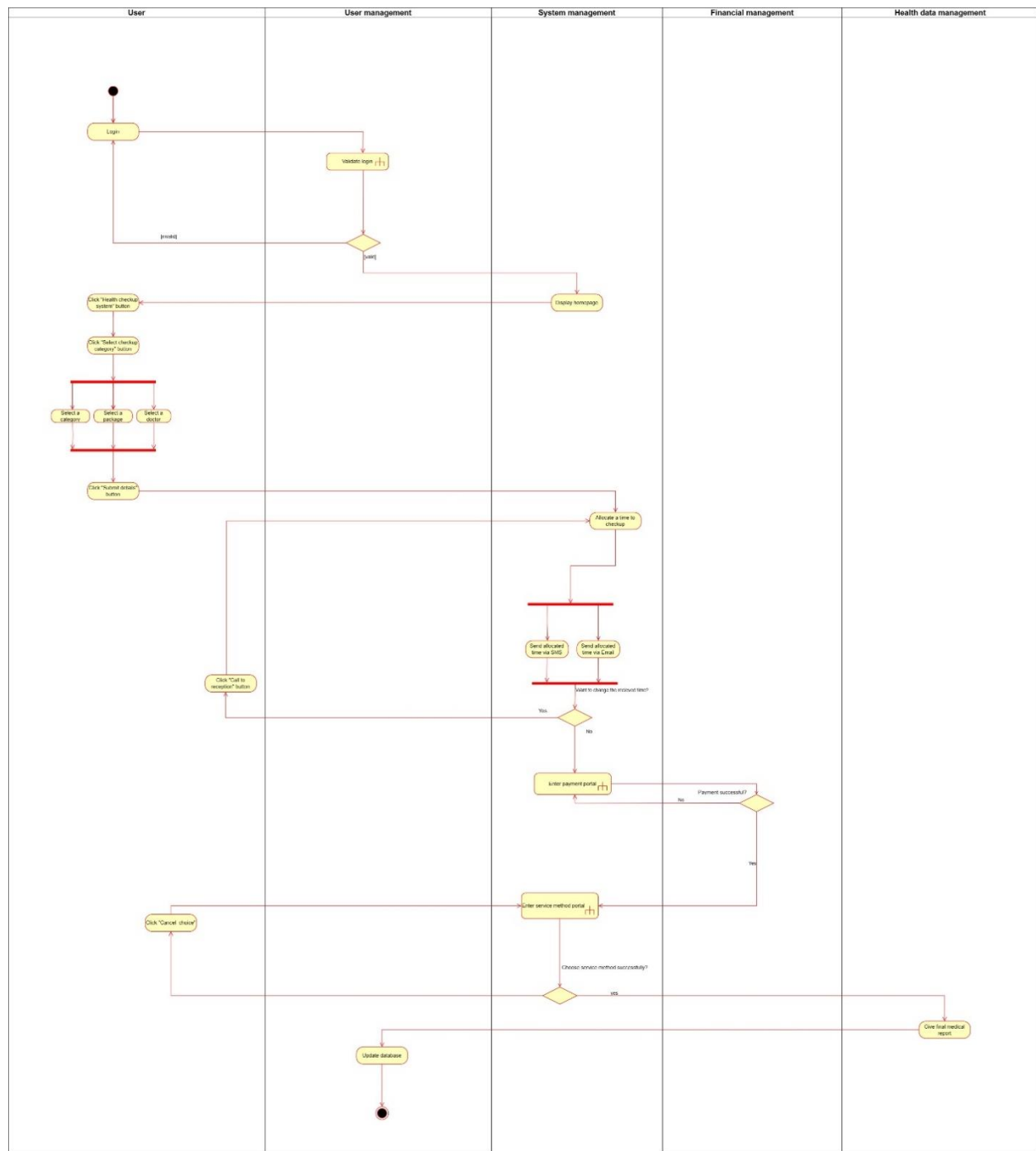| Extensions	Step	Branching Action
	2a	If the username or password is incorrect System prompt the error message "Username or password is incorrect" and then display the login page.
	11a	User choose a prefer payment method, enter relevant details and submit details. Payment management check the entered details and if details are correct display "payment successful". If the details are incorrect display a error message and refer user to payment portal again.
	13a	User choose a preferred method.If user selected method successfully and clicks "confirm" button.System displays successful message.If it is unsuccessful then user clicks "cancel" and choose a method again.

Verify login
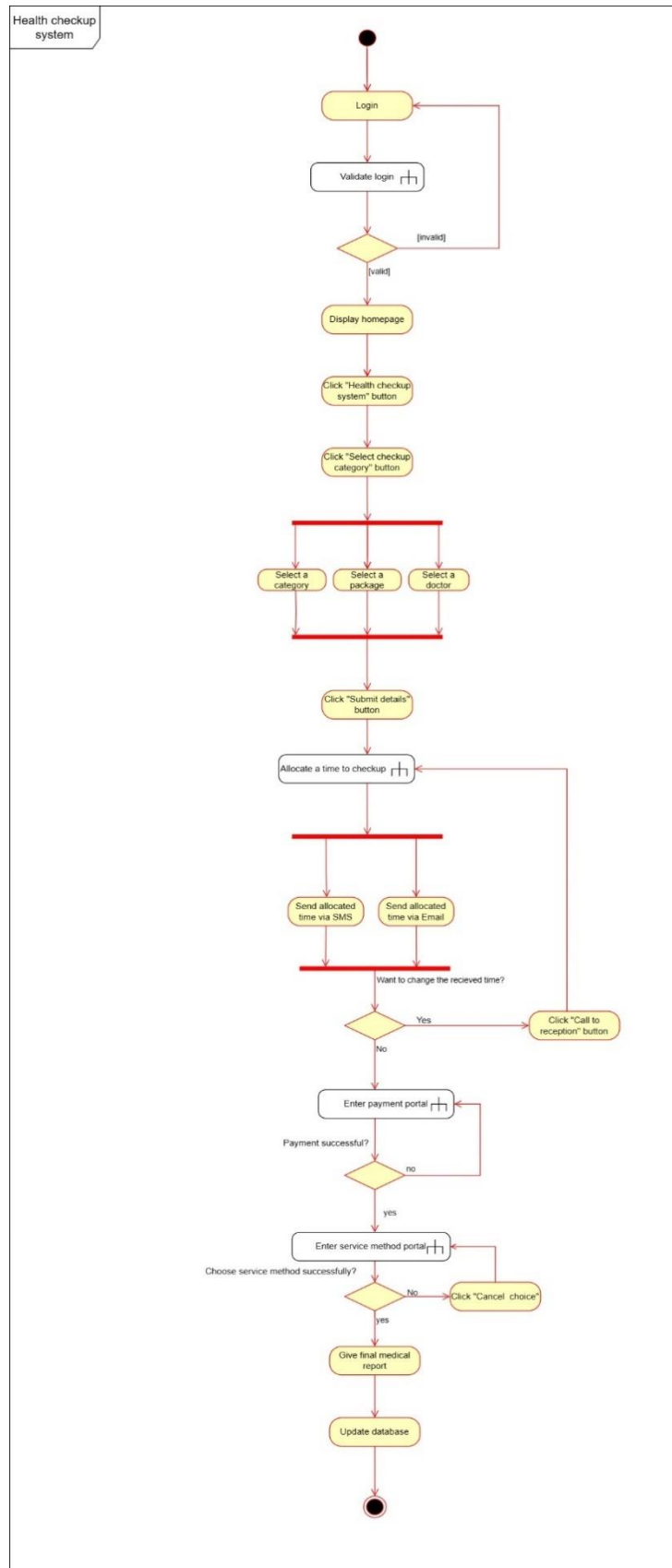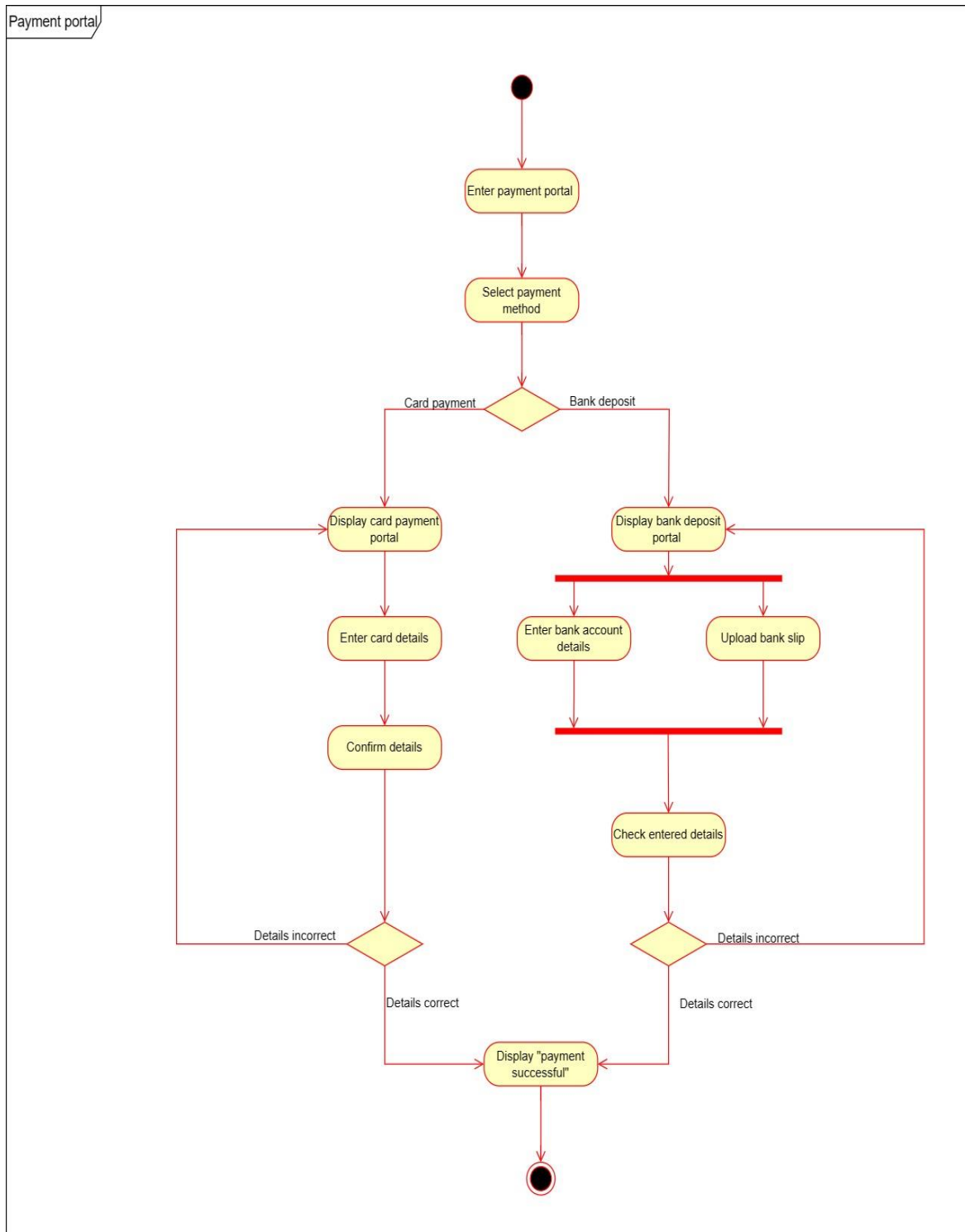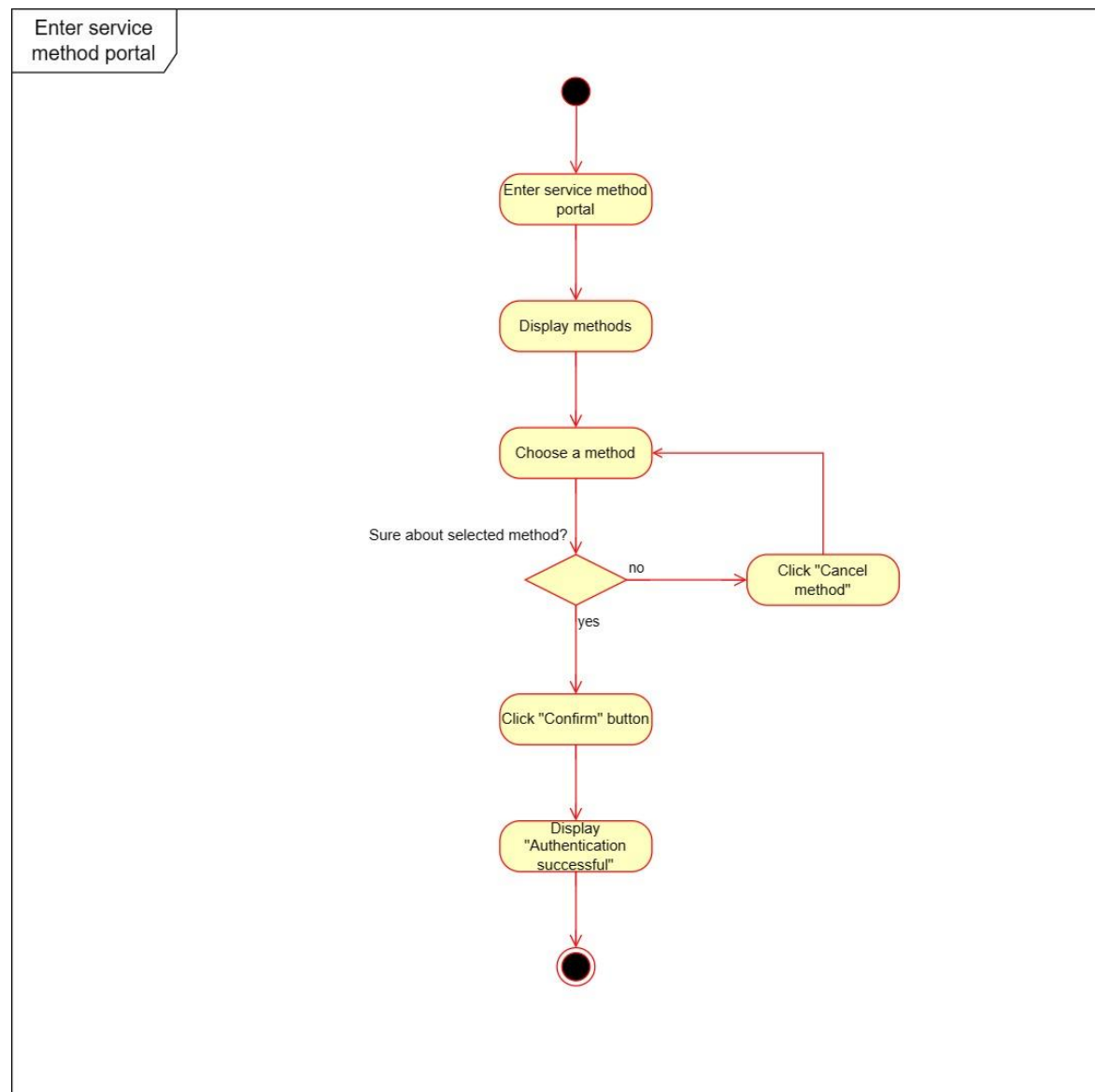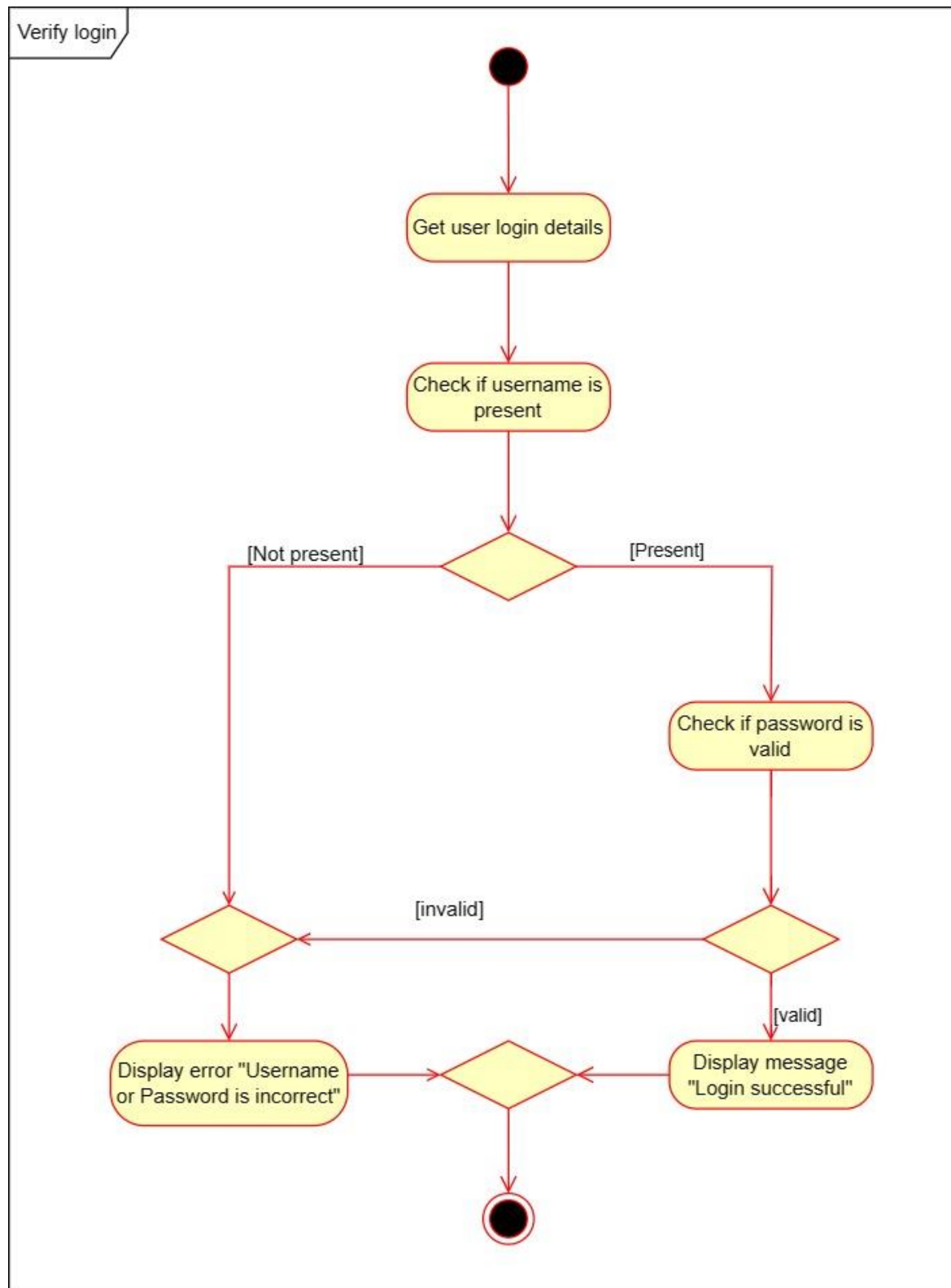
Part 02
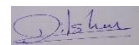
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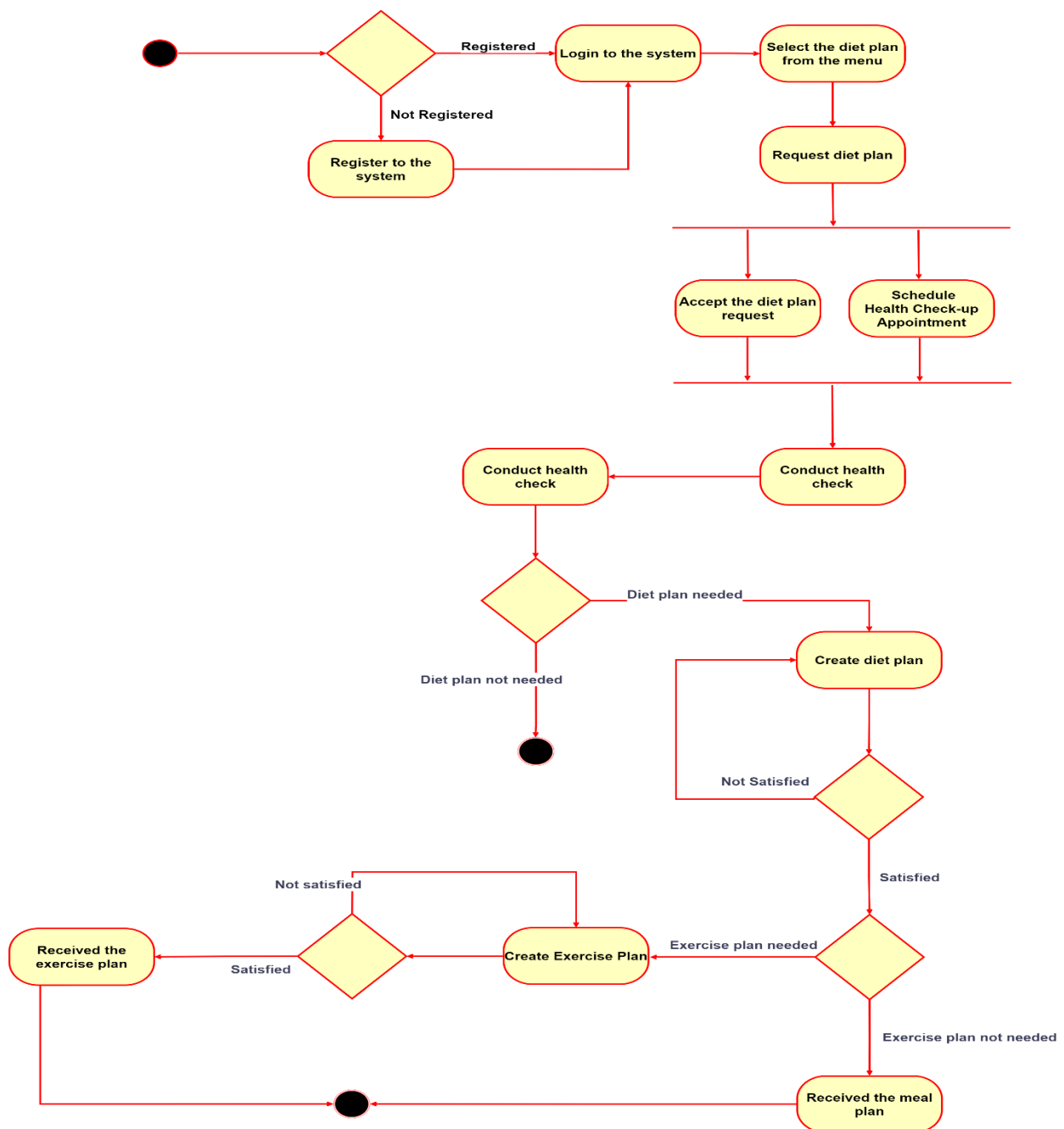
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Student Details:

Student Name	Student Registration Number	Date	Signature
PERERA K.C.D	IT22566034	29.05.2023	

Part 01

Use case scenario – Diet plan

Number	003
Name	Diet plan.
Summary	Creating meal plans for patients.
Priority	03
Preconditions	Patient has logged into the system and has completed a health check-up.
Postconditions	The patient has a diet plan.
Primary Actor(s)	Patient.
Trigger	The patient selects the "Create Diet Plan" option from the main menu.

Main Scenario	Step	Action
	1	Patient logs in to the diet planning system.
	2	Patient requests a diet plan.
	3	Schedules a health check-up appointment.
	4	Doctor reviews the patient's health check-up reports and determines whether the patient needs a diet plan.
	5	The nutritionist reviews the reports and assesses the patient's dietary needs, preferences, and goals.
	6	The nutritionist creates a personalized meal plan based on the review.
	7	The fitness specialist reviews the reports and creates an exercise plan.
	8	The system ultimately provides the patient with a personalized meal plan and exercise plan.
	9	

Extensions	Step	Branching Action
	6.a	The patient disagrees with the diet plan and the nutritionist prepares a new diet plan.
	7.a	The patient disagrees with the exercise plan and the fitness expert prepares a new exercise plan.

Open Issues	1	

Part 2
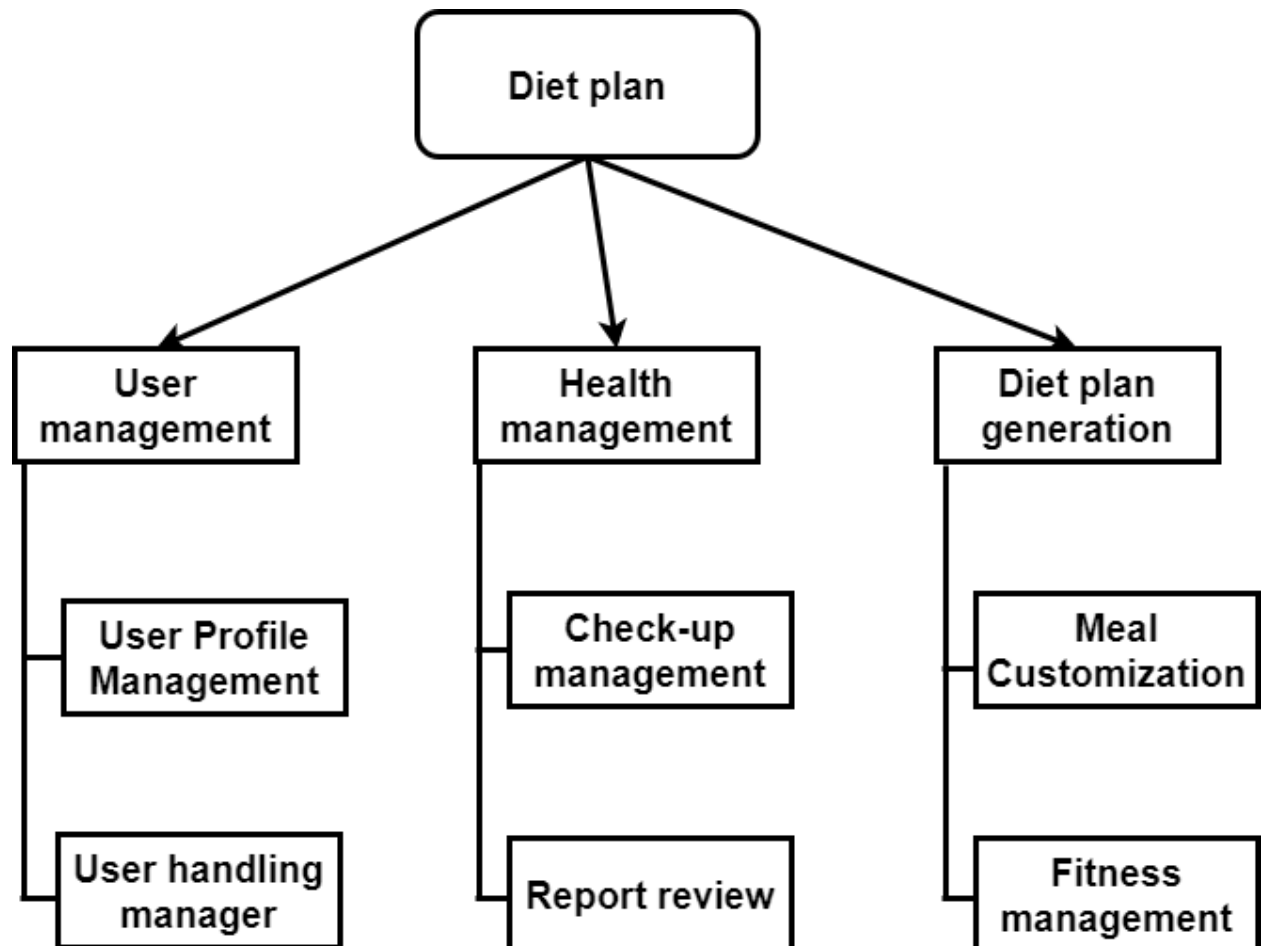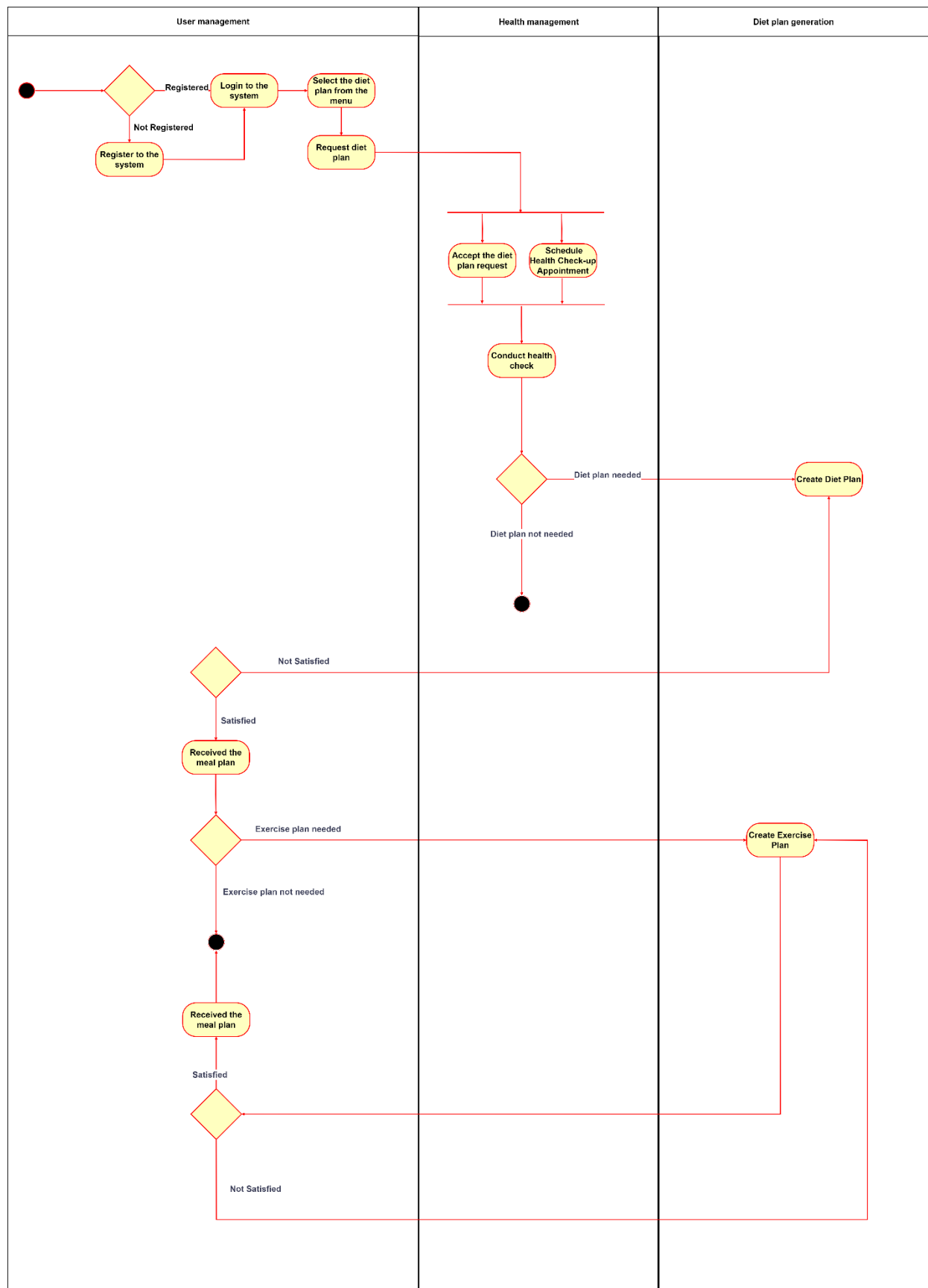
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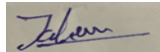☑   I have contributed in this assignment to the best of my ability.

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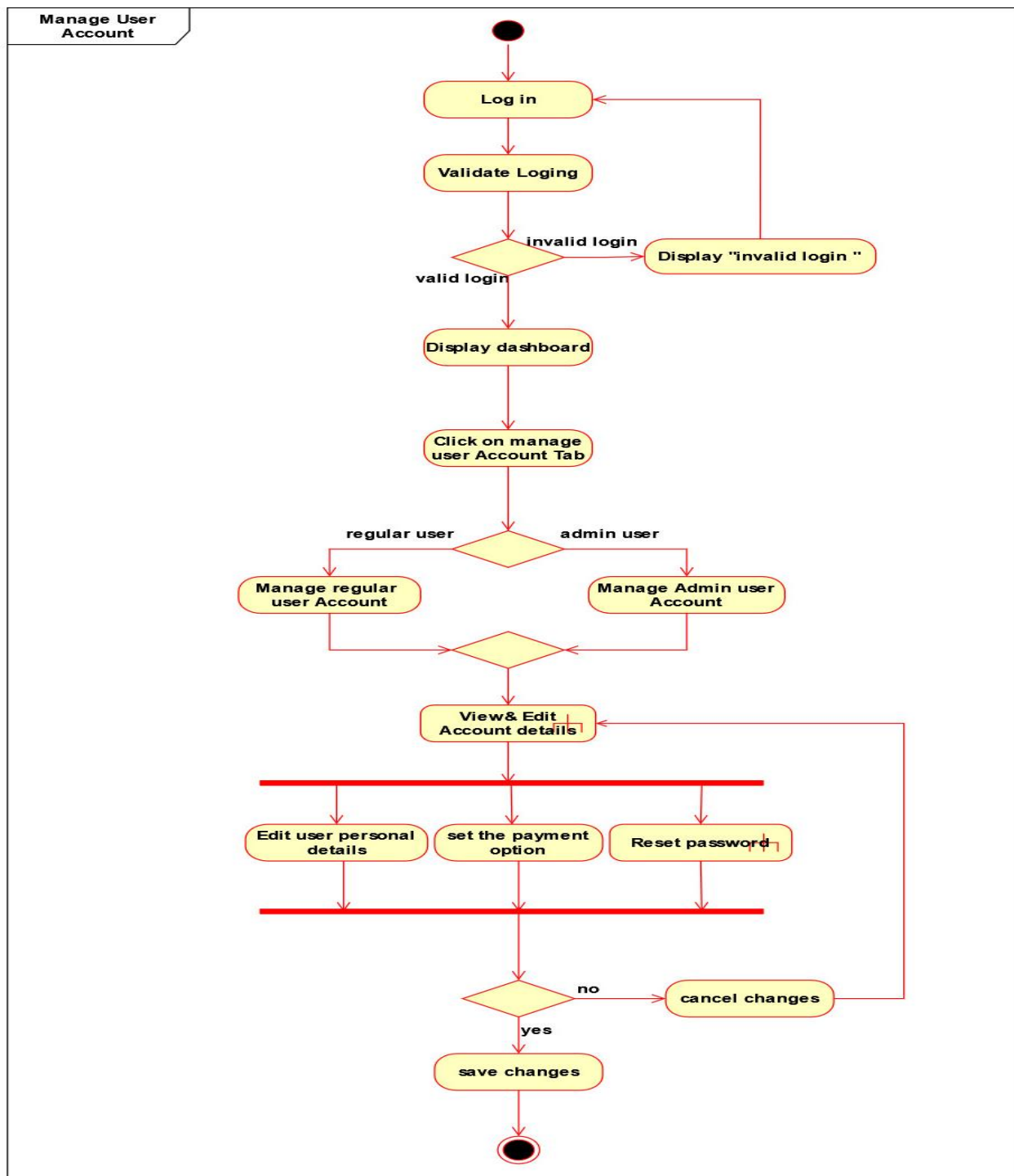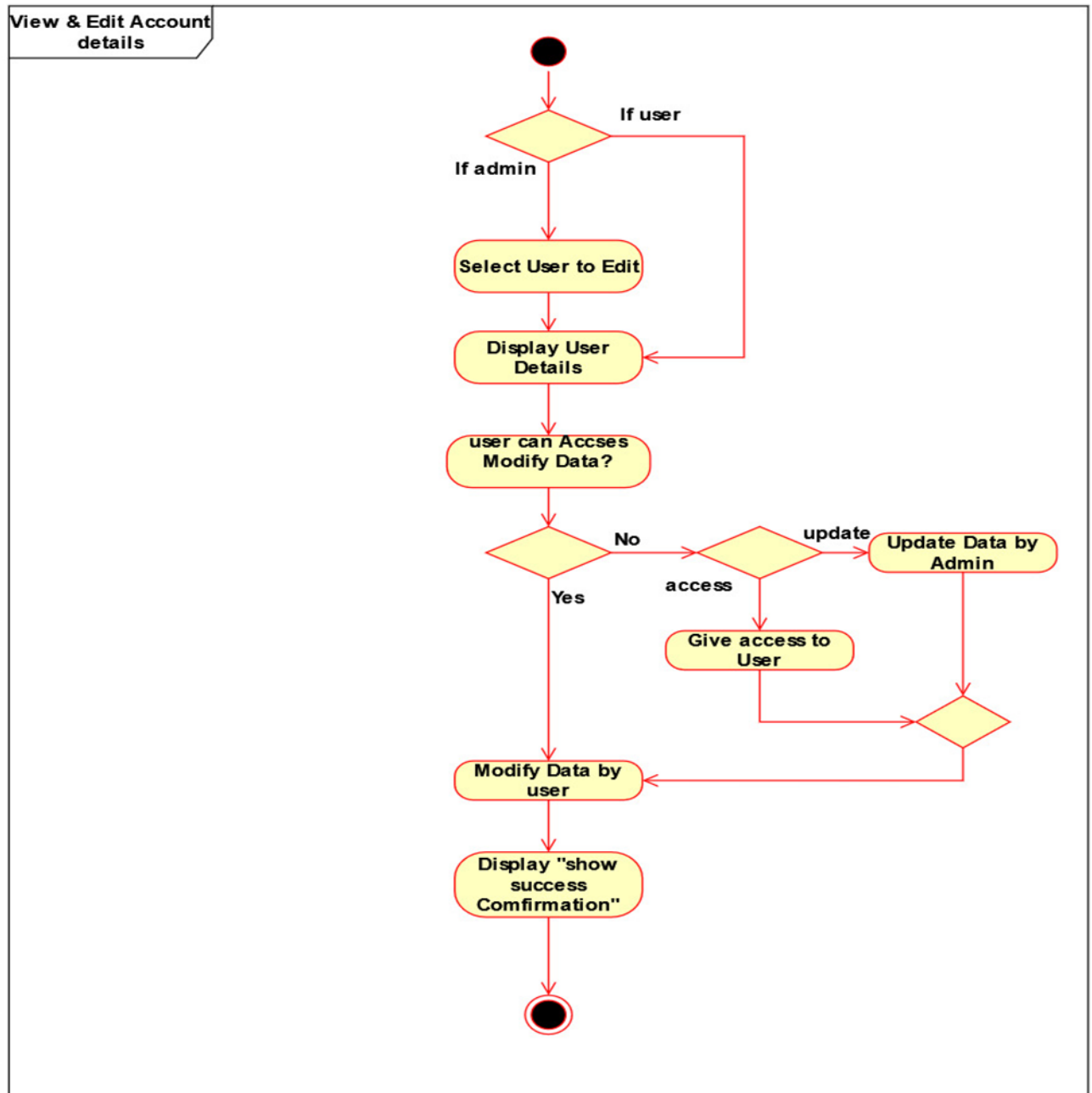
Student Details:

Student Name	Student Registration Number	Date	Signature
JAYALATH J.P.R.J	IT22591098	29.05.2023	

Part 01
Use case scenario – Manage user account

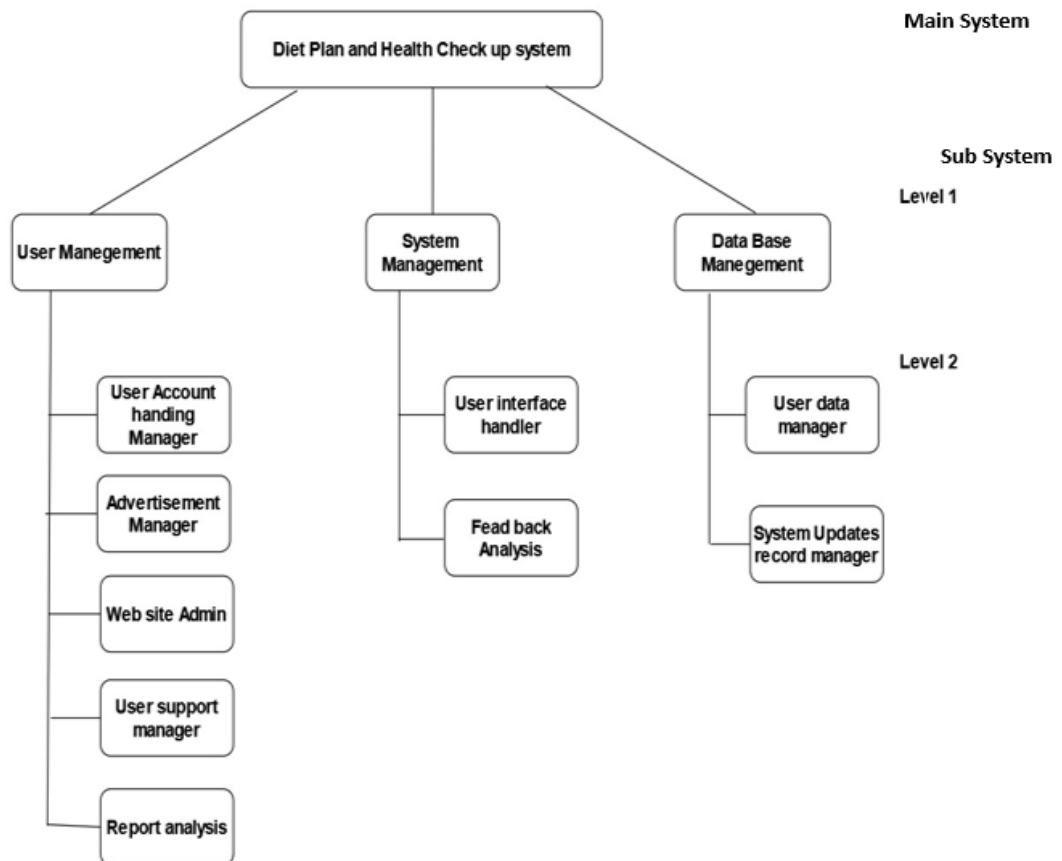| Number	4	
Name	Manage user account	
Summary	Administered by System admin	
Priority	High	
Preconditions	The system admin needs to manage the client's data	
Postconditions	System admin control by the system	
Primary Actor(s)	System Admin	
Trigger	The system manager decides to generate reports	
Main Scenario	**Step**	**Action**
	1	Log in to the system as an Admin
	2	Validity check at system login
	3	If invalid login Details "Display Invalid Login"
	4	Otherwise Display dashboard
	5	Click on manage user Account tab and select Manage User Account or Manage Admin User Account
	6	Edit and view Account Details user
	7	reset password user Account
	8	Save and changes and update to the data base
Extensions	**Step**	**Branching Action**
	1.a	Admin user account & regular user account visited manage user account System Audit and Administration
	6.a	Check admin or user Account?
	6.b	If admin can select User to Edit and after display user details. But user direct display user details
	6.c	User can access modify data modify by user
	6.d	User can't account access admin should give access to user or update Data by Admin and modify data.
	7.a	User click forget password
	7.b	User provides email or username
	7.c	If it's invalid display the "invalid email or username entered"
	7.d	If Else send password verification OTP to the user

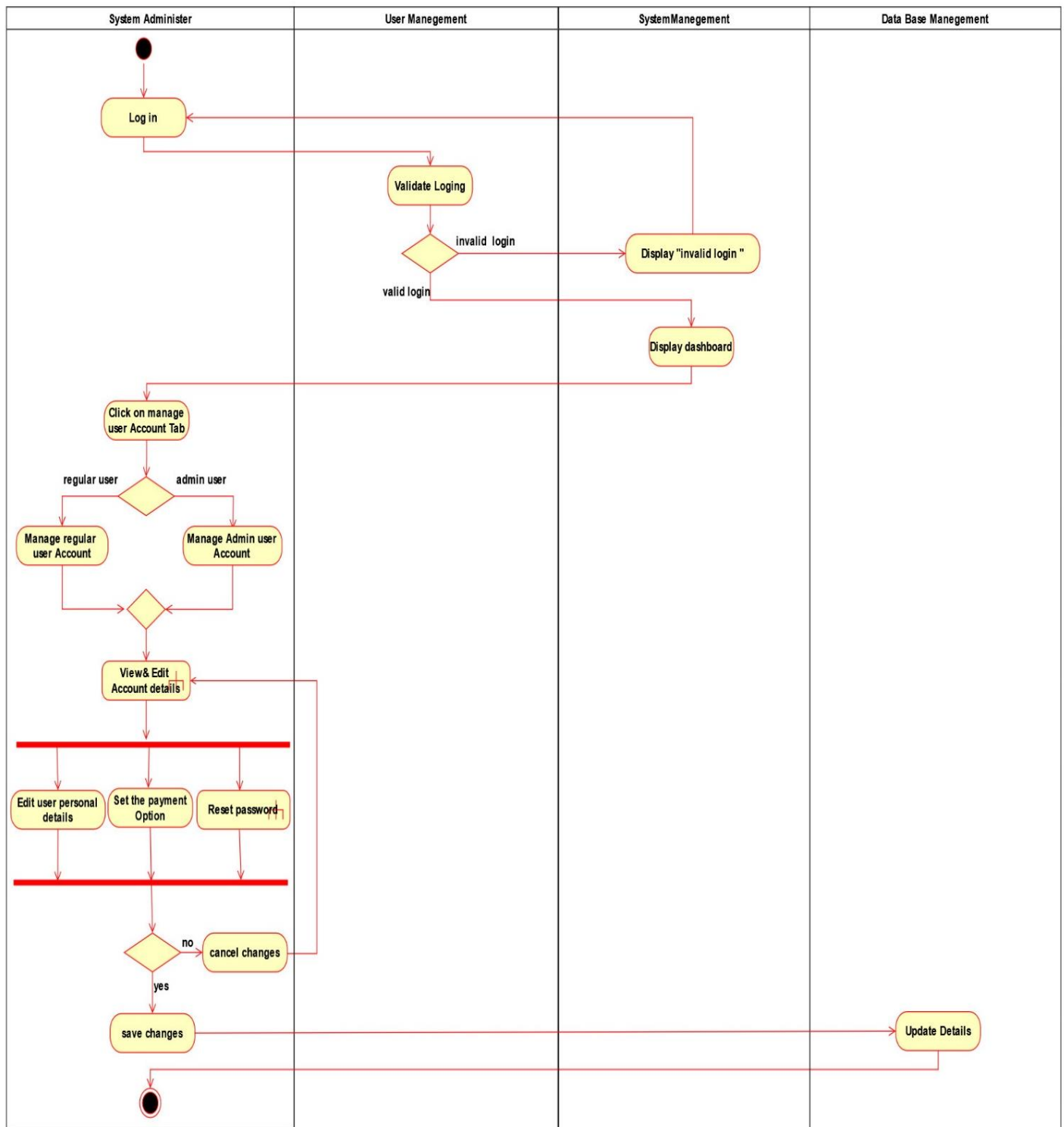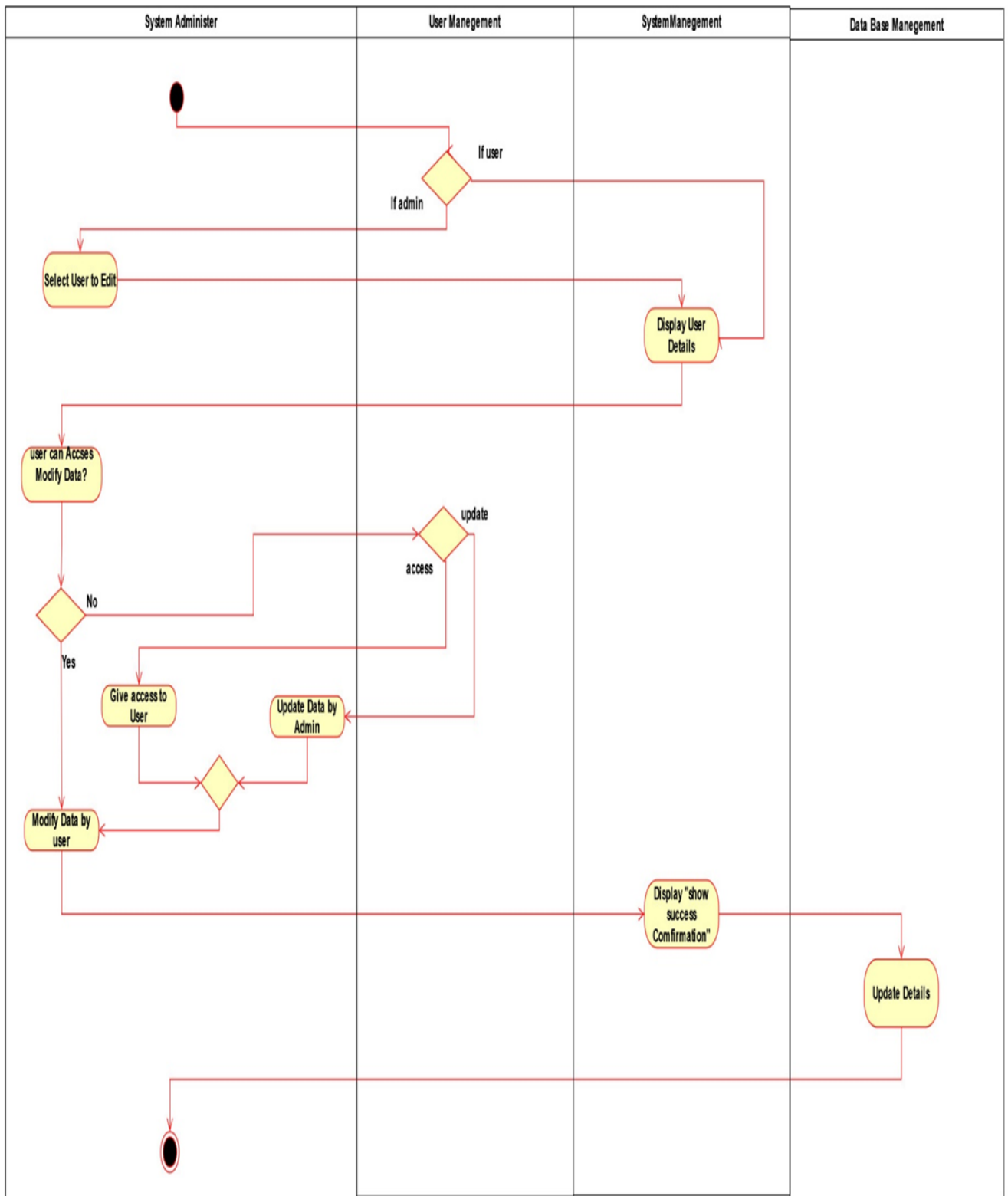|		
	7.e	Give access to the user reset password.
	7.f	After update new password and check the password relogging using new password.
Open Issues	1	Each section must be individually inspected and controlled

Manage User Account

```
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                         ┌─────────┐
                         │  Log in │ ◄──────────┐
                         └─────────┘             │
                              │                  │
                      ┌───────────────┐          │
                      │ Validate Loging│         │
                      └───────────────┘          │
                              │                   │
                        invalid login             │
                           ◇ ──────────► ┌──────────────────────┐
                           │             │ Display "invalid login "│
                       valid login       └──────────────────────┘
                           │
                   ┌───────────────┐
                   │Display dashboard│
                   └───────────────┘
                           │
                   ┌───────────────┐
                   │ Click on manage│
                   │ user Account Tab│
                   └───────────────┘
                           │
          regular user     ◇     admin user
         ┌──────────────┐     ┌──────────────┐
         │Manage regular│     │Manage Admin user│
         │ user Account │     │   Account    │
         └──────────────┘     └──────────────┘
                    └─────── ◇ ───────┘
                           │
                   ┌───────────────┐
                   │  View& Edit   │ ◄──────────┐
                   │Account details│            │
                   └───────────────┘            │
         ═══════════════════════════════════    │
          │              │              │        │
    ┌──────────┐  ┌──────────────┐ ┌──────────────┐
    │Edit user │  │set the payment│ │Reset password│
    │ personal │  │    option    │ └──────────────┘
    │ details  │  └──────────────┘         │
    └──────────┘         │                 │
         ═══════════════════════════════════
                         │
                    no   │
                    ◇ ──────────► ┌──────────────┐
                    │             │cancel changes │
                   yes            └──────────────┘
              ┌──────────────┐
              │ save changes │
              └──────────────┘
                    │
                    ●
```

Reset
Password

User click Forget
Account Password
option

user provides email or username
to request a password reset.

invalid → Display "invalid
email or user
name Entered"

valid

send password verification OTP
to the user

user enter relavant OTP

Give access to the User to Reset
Password

Display to user "password has
been successfully reset".

Part 02

01

2. Manage User Account

System Administer	User Manegement	SystemManegement	Data Base Manegement

- Log in
- Validate Loging
- invalid login
- Display "invalid login "
- valid login
- Display dashboard
- Click on manage user Account Tab
- regular user / admin user
- Manage regular user Account
- Manage Admin user Account
- View& Edit Account details
- Edit user personal details
- Set the payment Option
- Reset password
- no / cancel changes
- yes
- save changes
- Update Details

View And edit Account Details

Reset Password
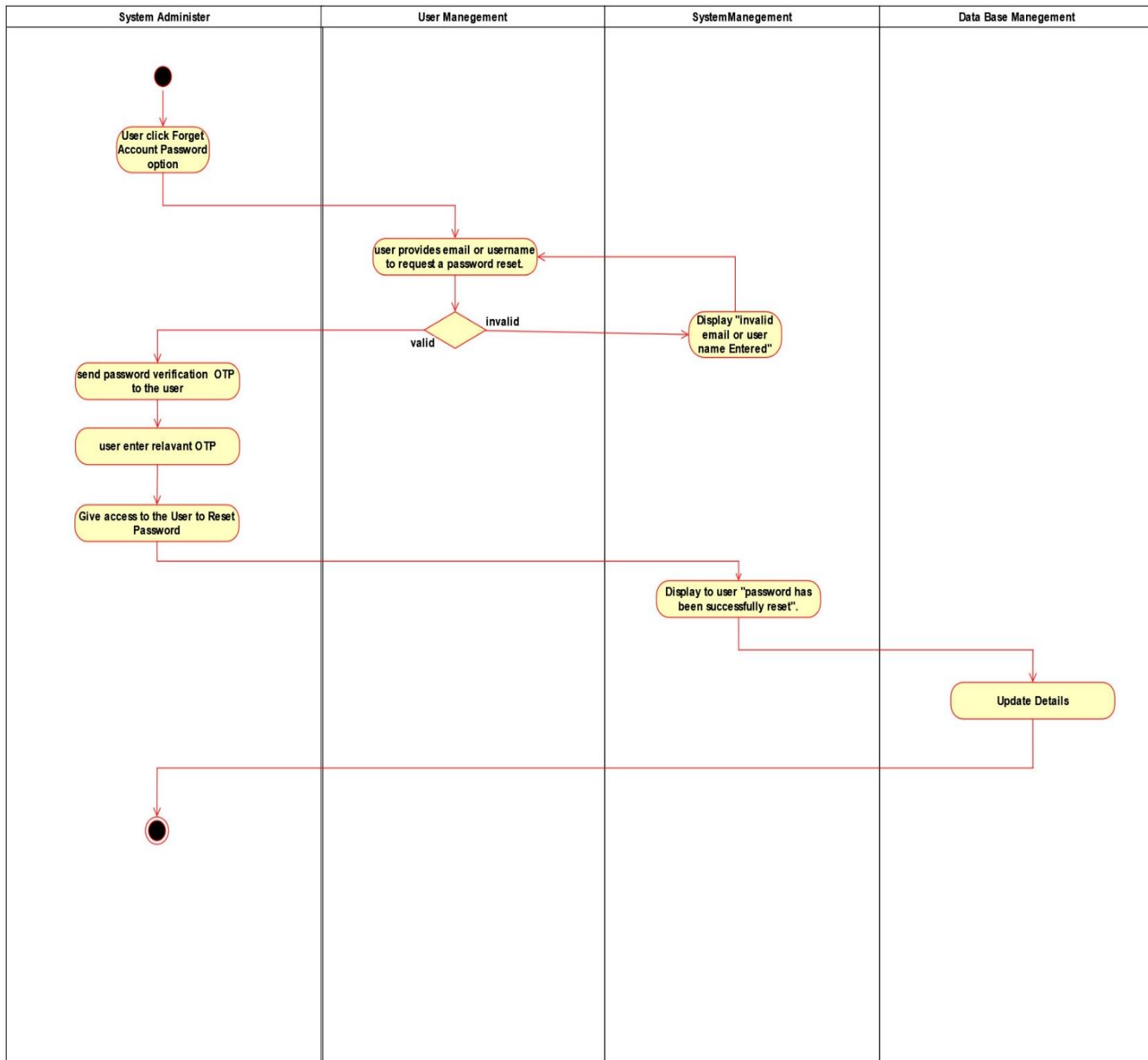
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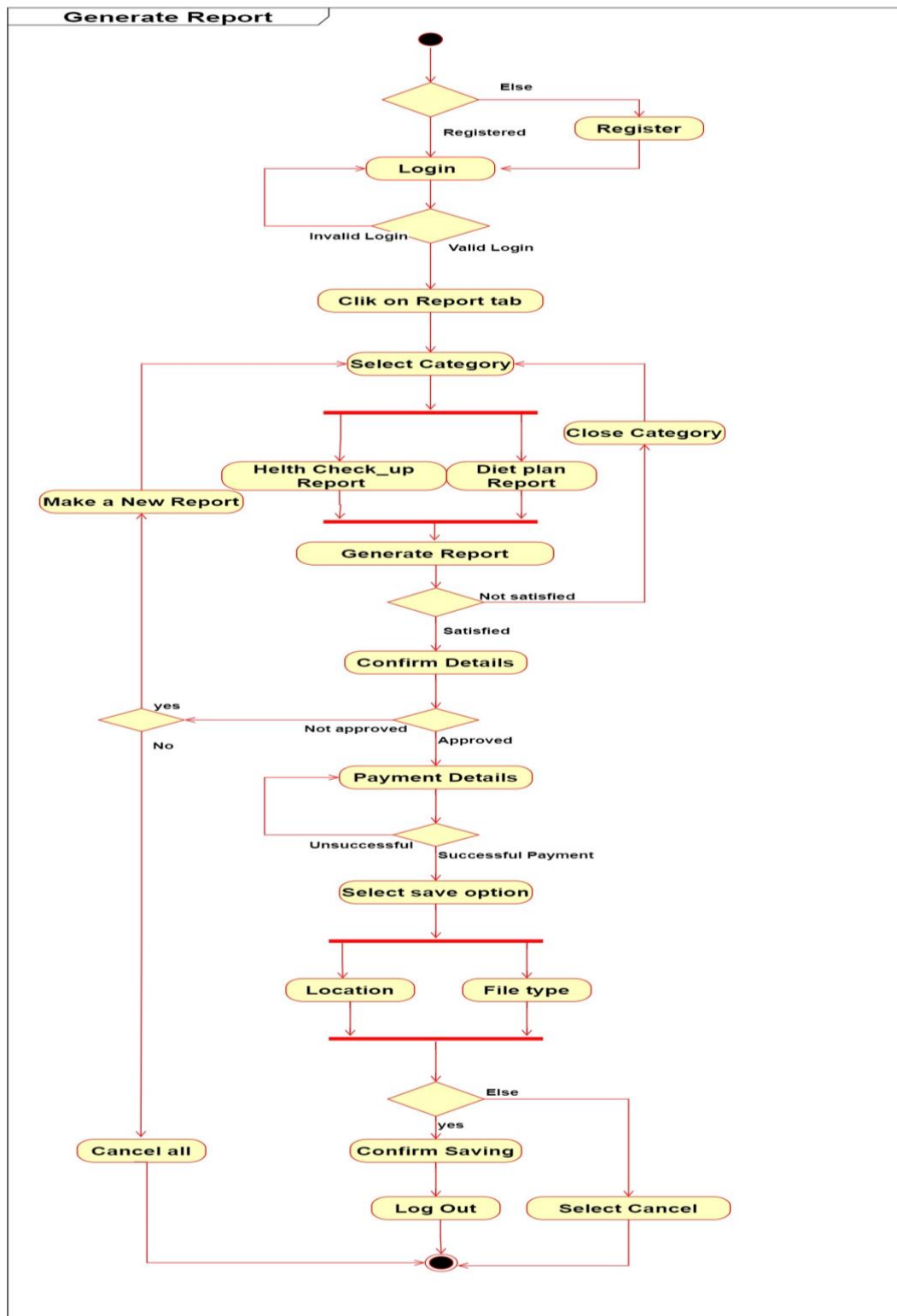
Student Details:

Student Name	Student Registration Number	Date	Signature
WIJEKOON W.M.M.G.K.P	IT22575562	29.05.2023	

Part 1

1. Use case scenario- Generate Report

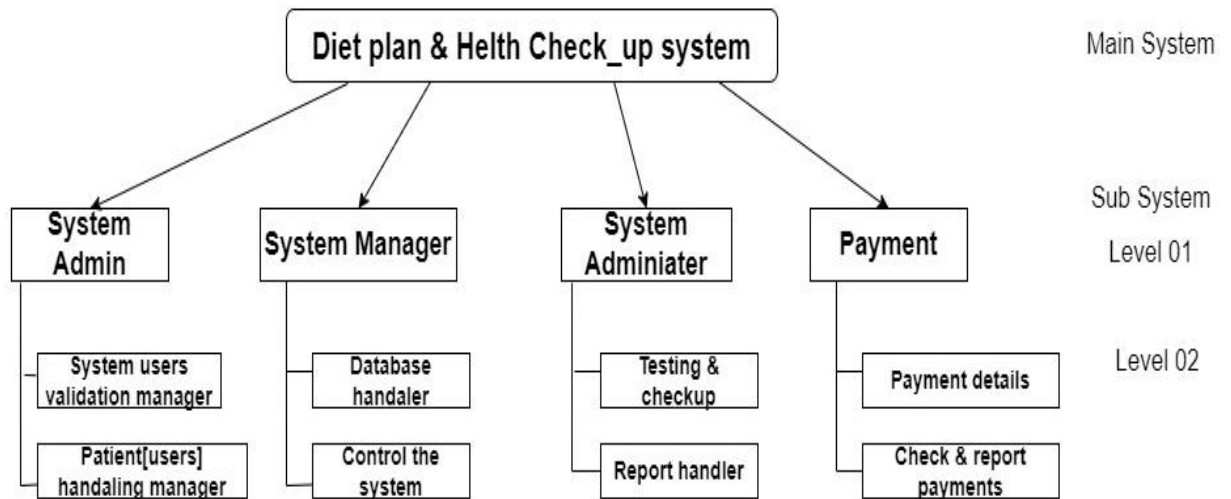| Number		005
Name		Generate Report
Summery		Report handler gets detailed report
Priority		05
Pre-Condition(s)		Report handler should login to his dashboard
Post-Condition(s)		System gives fully detailed report
Primary Actor(s)		Report handler
Trigger		when report handler wants to get report
Main Scenario	**Step**	**Action**
	1	Reports handler(user) goes to the page
	2	click on 'log-in' button
	3	enters the valid his log-in credentials
	4	System Validate the report handler
	5	user move on to the admin panel
	6	Click on 'R**eport''** tab
	7	System shows the Reports categories
	8	user select which data he wants
	9	System ask to confirmation the selected data
	10	System Ask how to save the report/which format
	11	user gives the file format
	12	System generates the report.
	13	System asks from user to display or save the report
	14	User specifies a location to save the report or click on display option
	15	System saves the report to the specified location or display the report
Extensions	**Step**	**Branching Action**
	3.a	If the user credentials are invalid 3.a.1 – system generate an error message 3.a.2 – system indicates a new prompt box to re-enter valid log-in details
	4.a	If validation is failed. 4.a.1 – after entering valid credentials and validation is pass user can go forward
	12.a	If system failed to generate the report

2. Generate Report

Select data

Part 2

1.

2.

Diet Plan & Helth Checkup System