IT3030
Programming Application and Framework
3rd Year, 1st Semester

PAF Project Assessment

E-Power Station

Submitted to

Sri Lanka Institute of Information Technology

Bachelor of Science Special Honors Degree in Information Technology

26.04.2022

Group details

Group Number: **No group List –IT17028424**

Group Members with workload:

	Name	IT Number	Function	Workload
1	Ekanayake E.M.W.C.L (Member 1)	IT17028424	User Management	- Create, Update and delete accountants detail after login - Can search bill accountant - Can search All candidate can update and delete them.
2	Member 2	' '	Admin	- Can search the Customer personal and payment details as per requirement after login - Can update the old customers record - Can save new customers information
3	Member 3	' '	User	- User Loin - Insert, View
4	Member 4	' '	Payment	- View payments - Make payments - Update and Delete details

Acknowledgement

When I embarked this project, it appeared to me as onerous task. Slowly as I progressed I did realize that I was not alone after all.

I wish to express my gratitude to my teachers as well as my staff who gave us the golden opportunity to do this wonderful project under the PAF Subject, I would also like to express my gratitude to everyone who extended their kind help, guidance and suggestion without which it could not have been possible for me to complete this project report. My sincere thanks to my all entire faculty members.
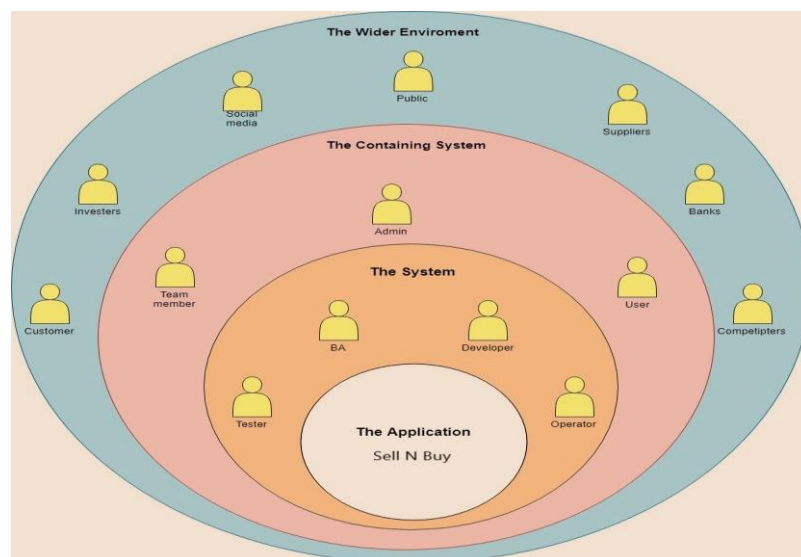
Content…

1. SE Methodology

- In here we used agile scrum methodology to build our project.
- It is easy way to build a system software for a given period.

AGILE SCRUM METHODOLOGY
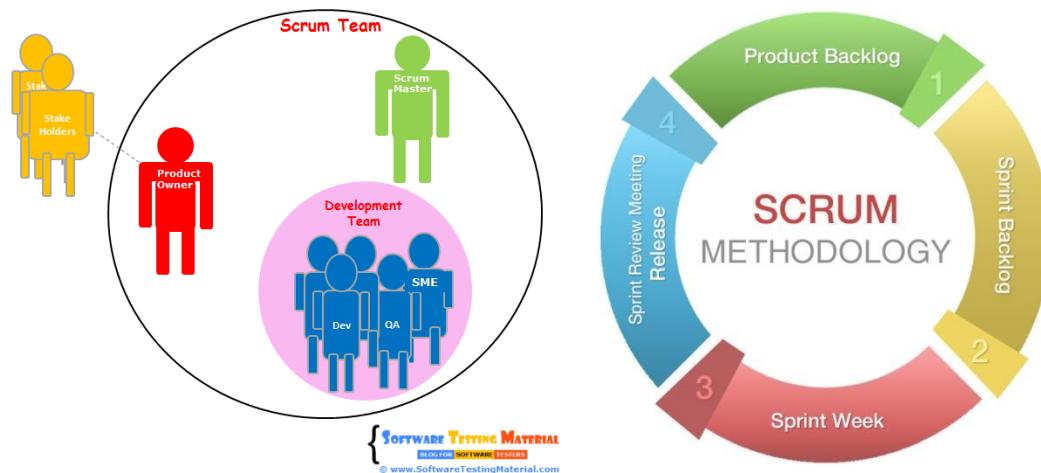

2. Stakeholder Analysis (Onion Diagram)

- This onion diagram shows the dependencies among parts of the project and organization.

3.Requirement Analysis

| Functional Requirement	Non – functional Requirement	Technical Requirement
1. User management	1. High performance	1. Eclipse Java EE
2. Bill management	2. Usability	2. Maven
3. Payment management	3. Time management	3. MySQL
	4. Maintainability	4. HTML, CSS (Bootstrap)
	5. Simplicity	5. Simplicity
	6. Quality	
	7. Consistency	

4.Requirement Modelling (Usecase Diagram)
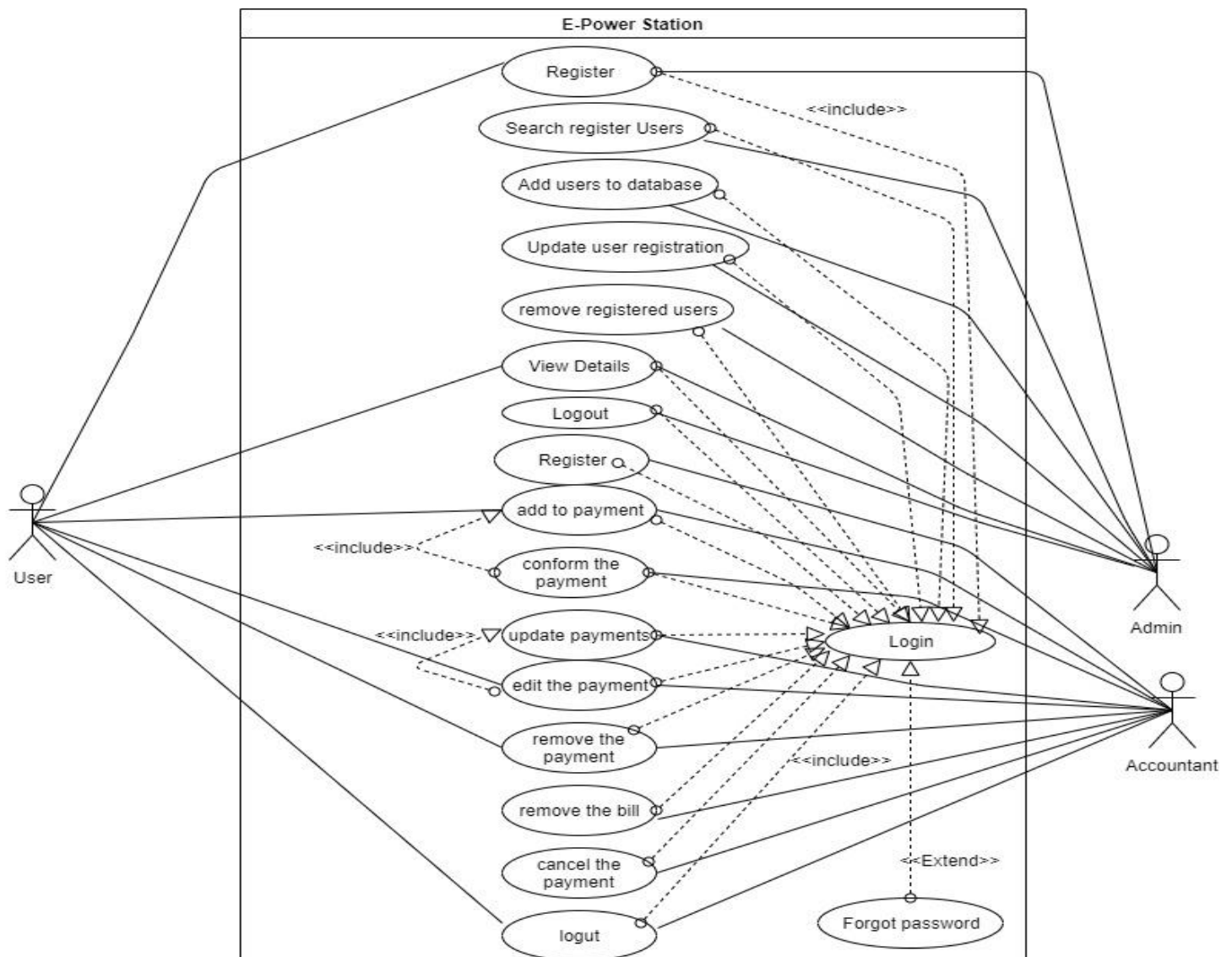
5.Overall Architecture
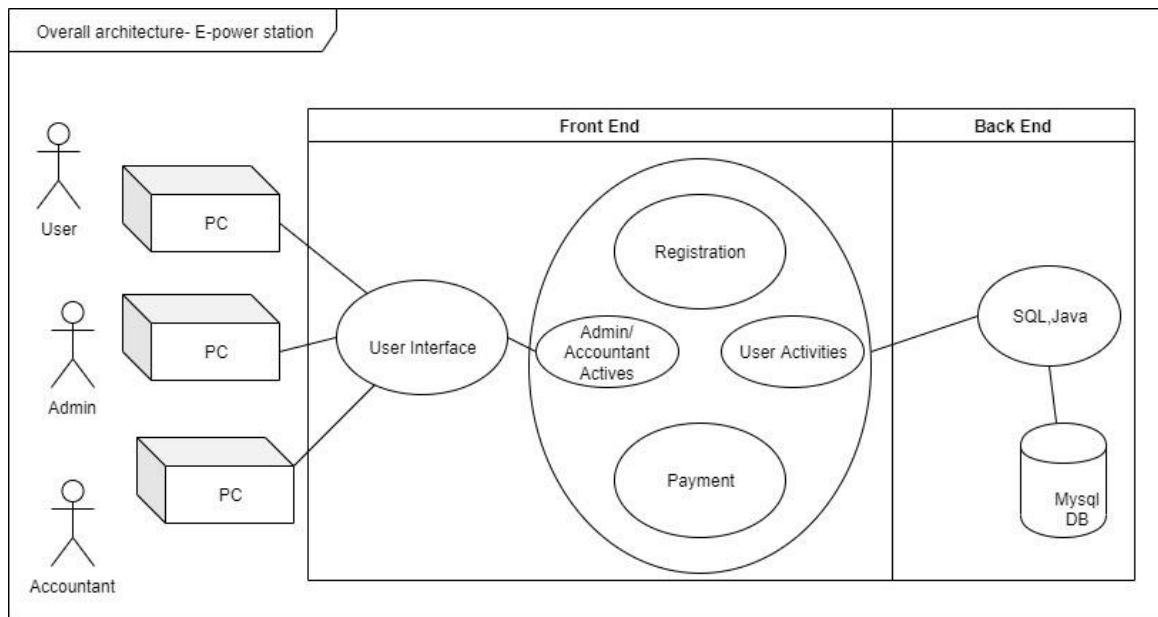
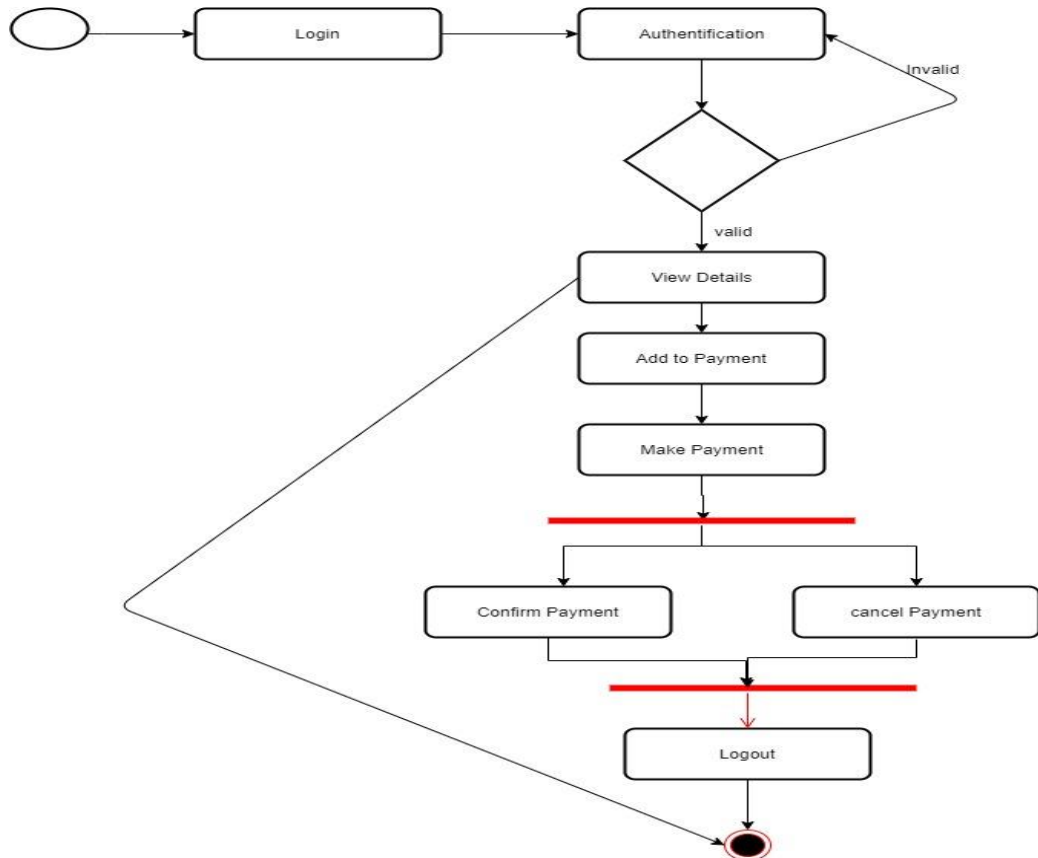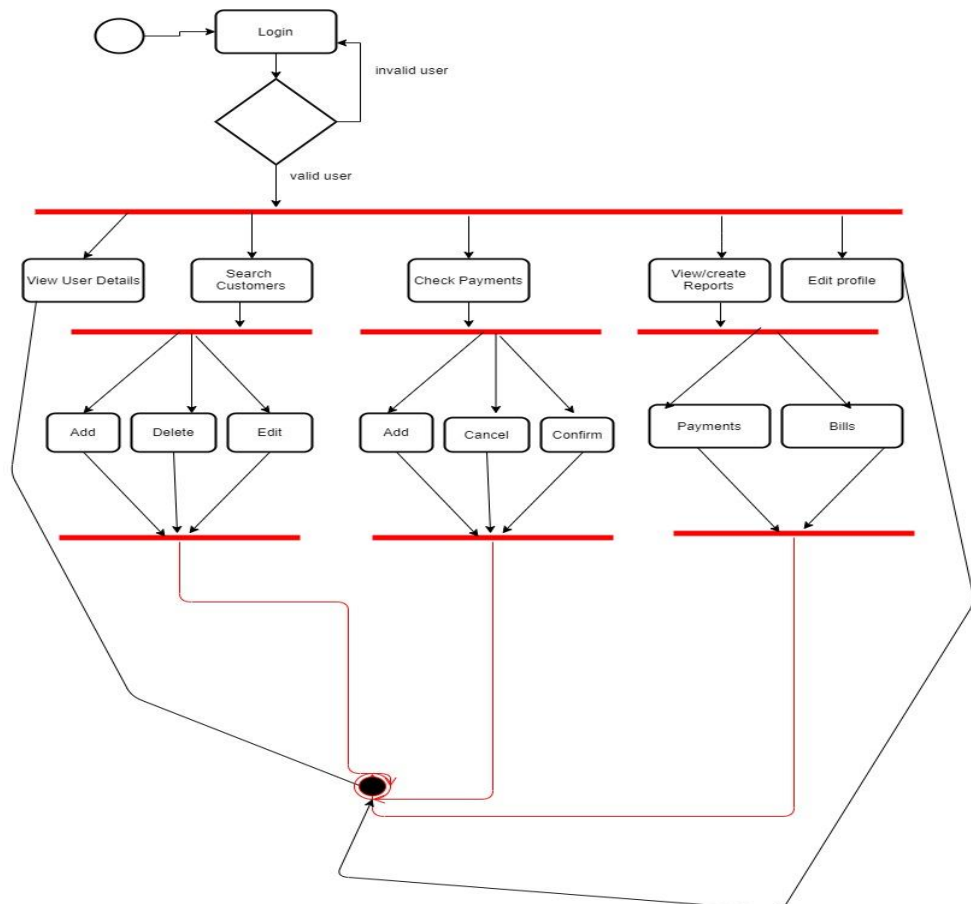# 6.Activity Diagrams

User Management (Registration)
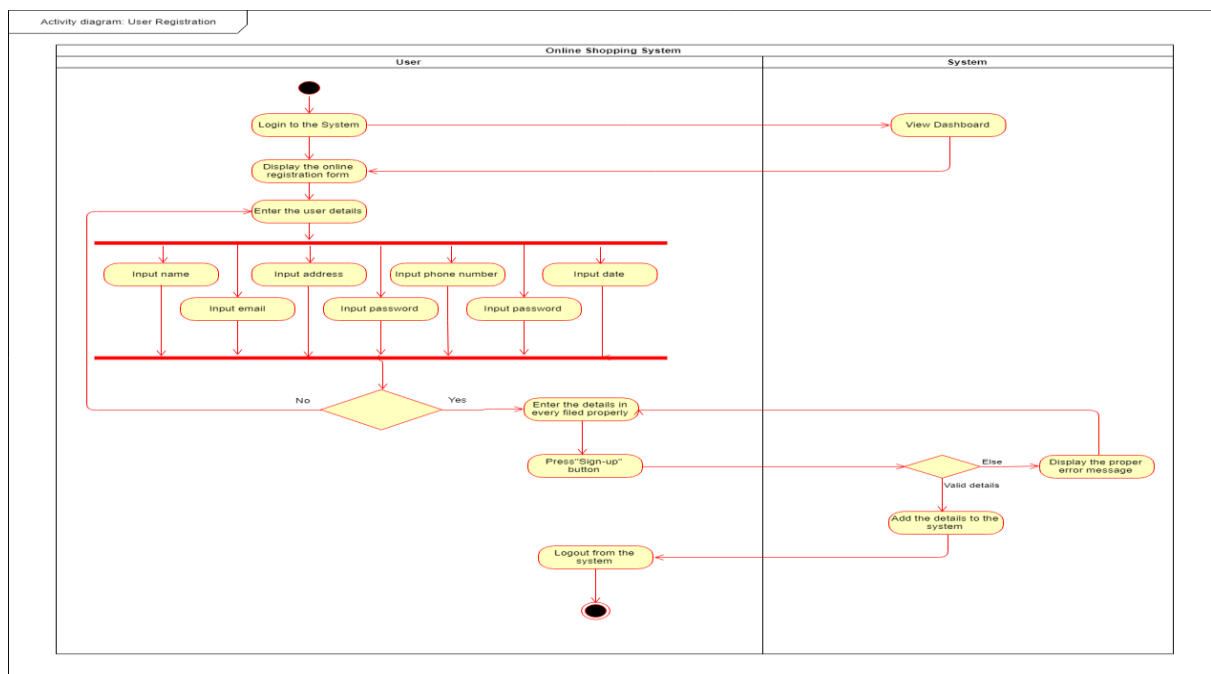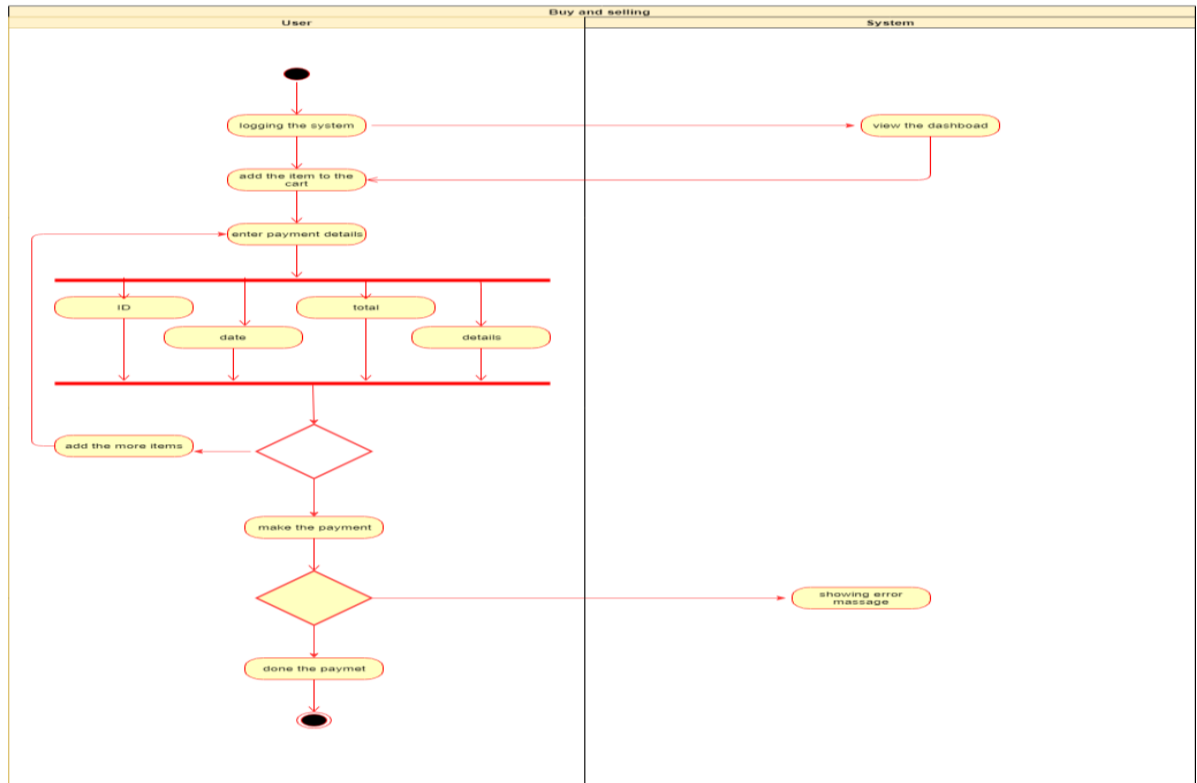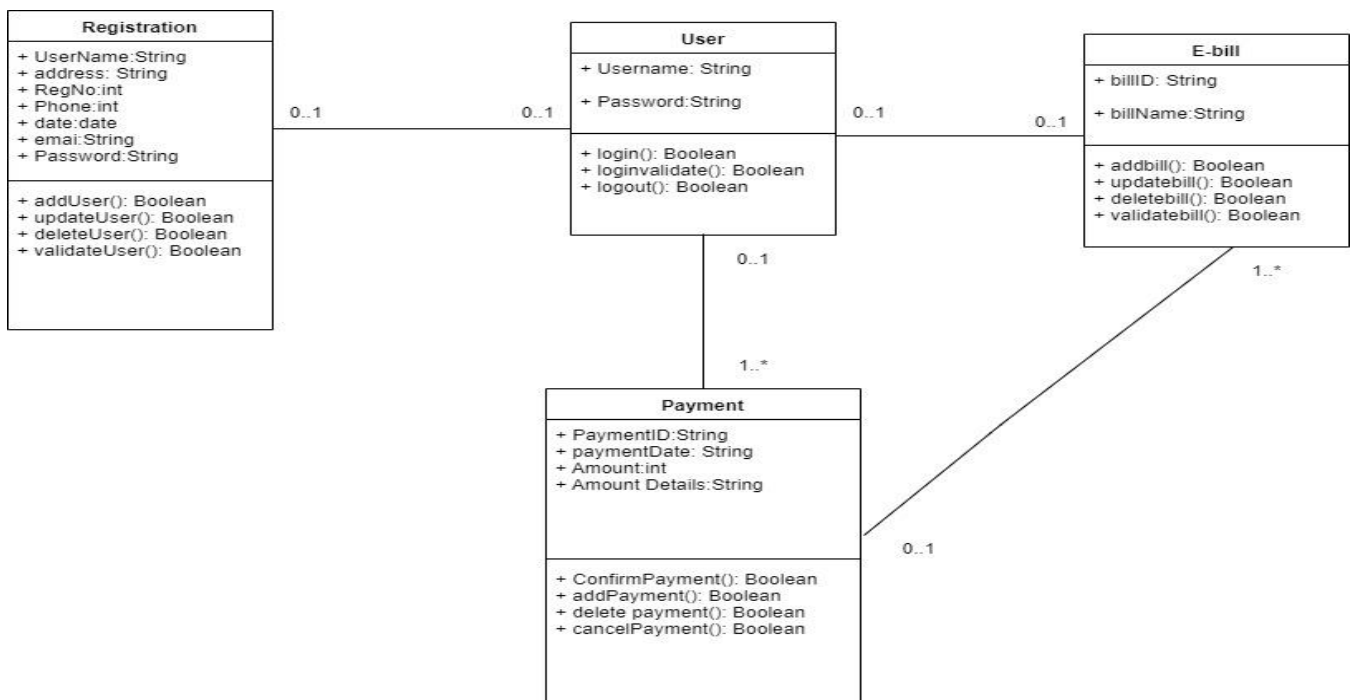
1) <u>User</u>
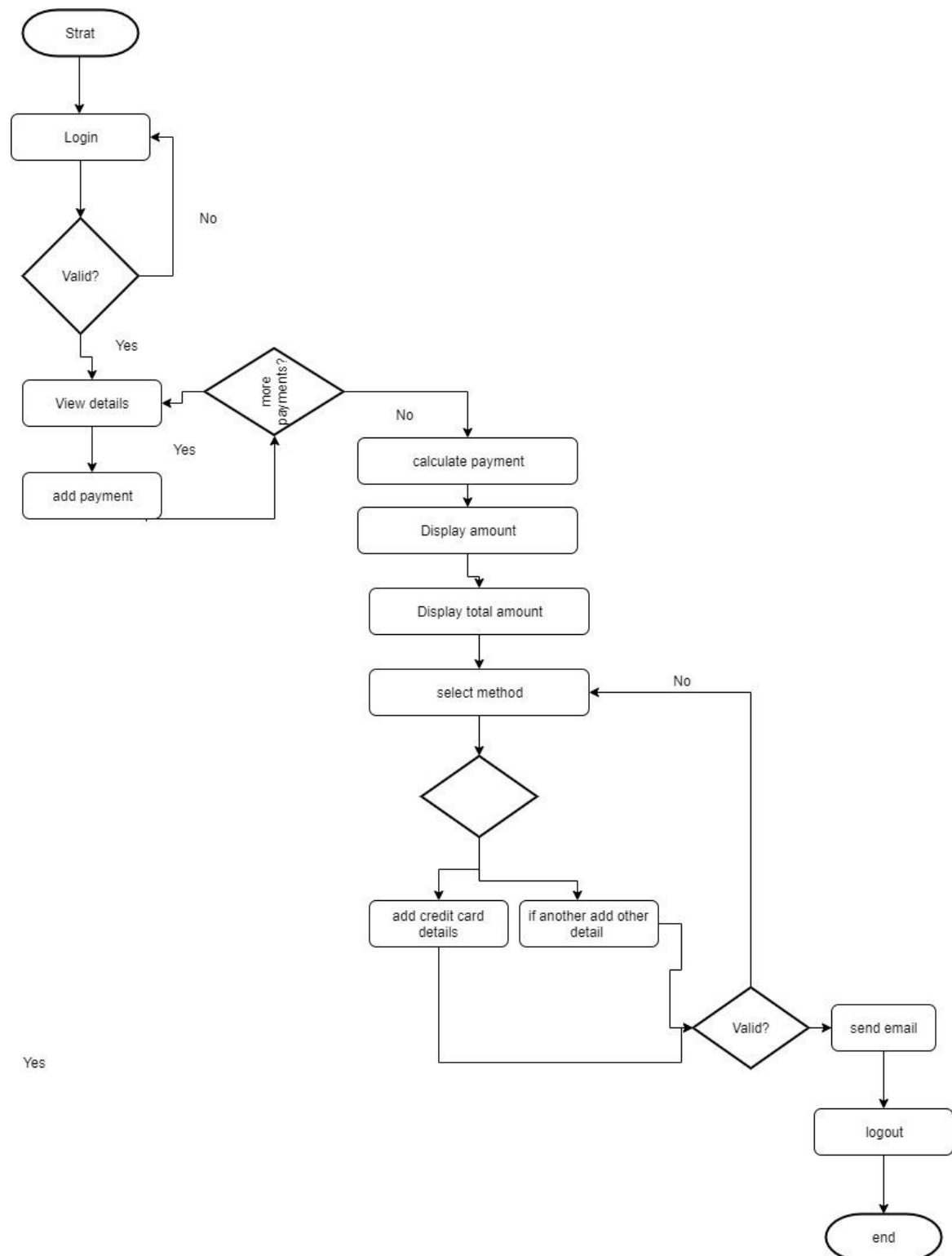

2) <u>Admin</u>

3) <u>Payment</u>

7.<u>Any other relevant design diagrams</u>

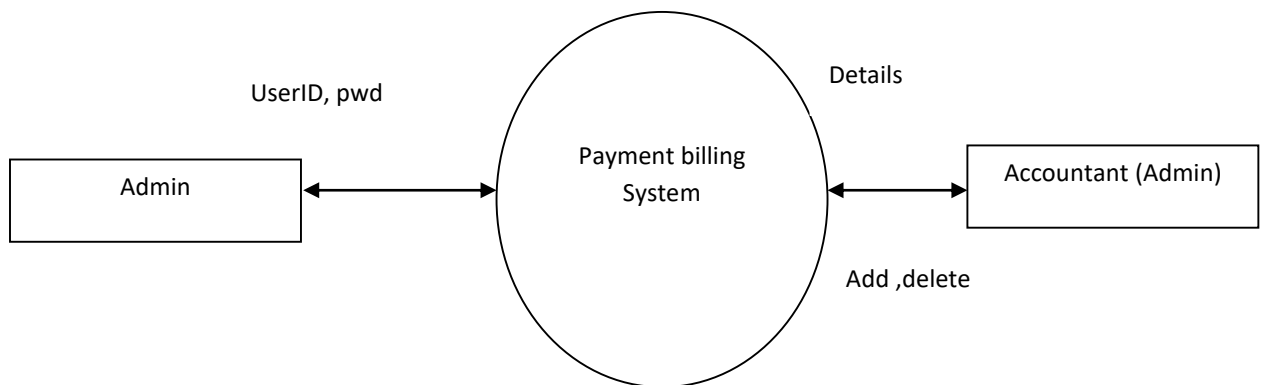- **Class Diagram (Overall system)**

- **Flow Chart Diagram (Overall system)**

0-LEVEL DFD

For The Admin:

UserID, pwd

Details

Admin

Payment billing System

Accountant (Admin)

Add ,delete

For the Accountant :

UserID, pwd

Details

Accountant

Payment billing System

Custome/userr

Add ,modify
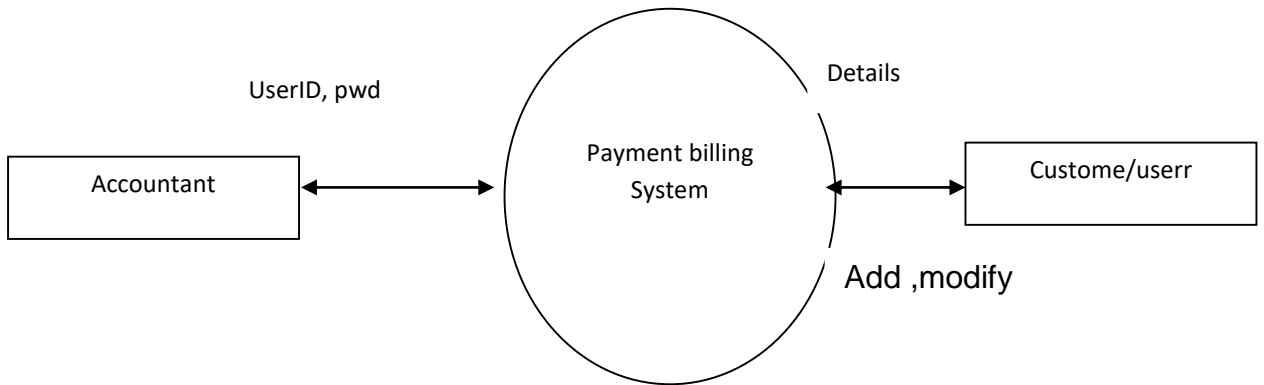
Level 1 DFD- Administrator
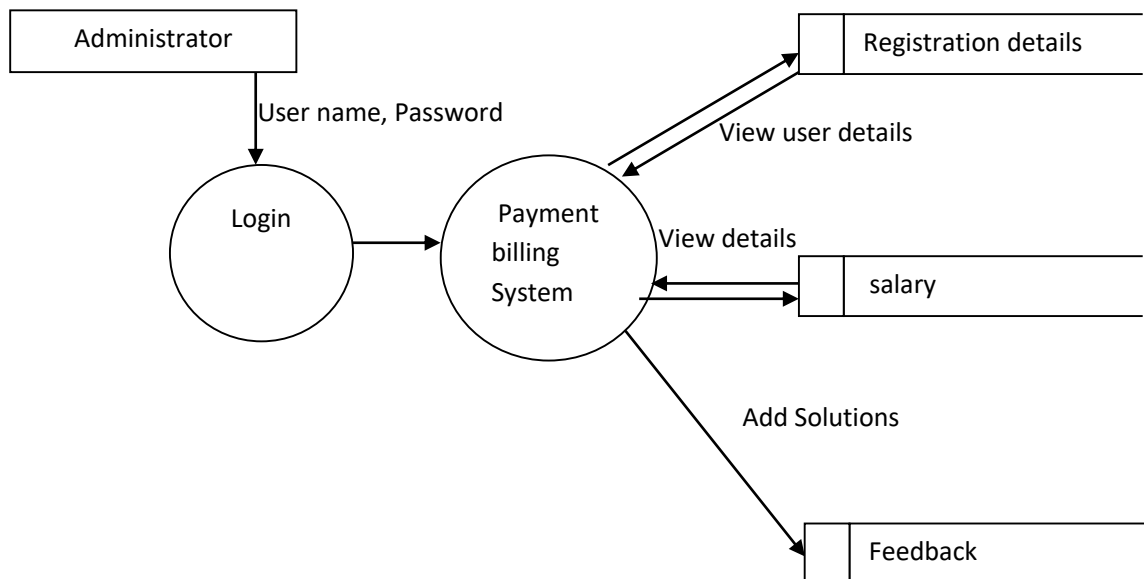
<u>Level 1 DFD- Accountant (Admin):</u>

- **ER Diagram (Overall system)**

8.Gantt Chart

o   Following is the time schedule that we suppose to finish this work.
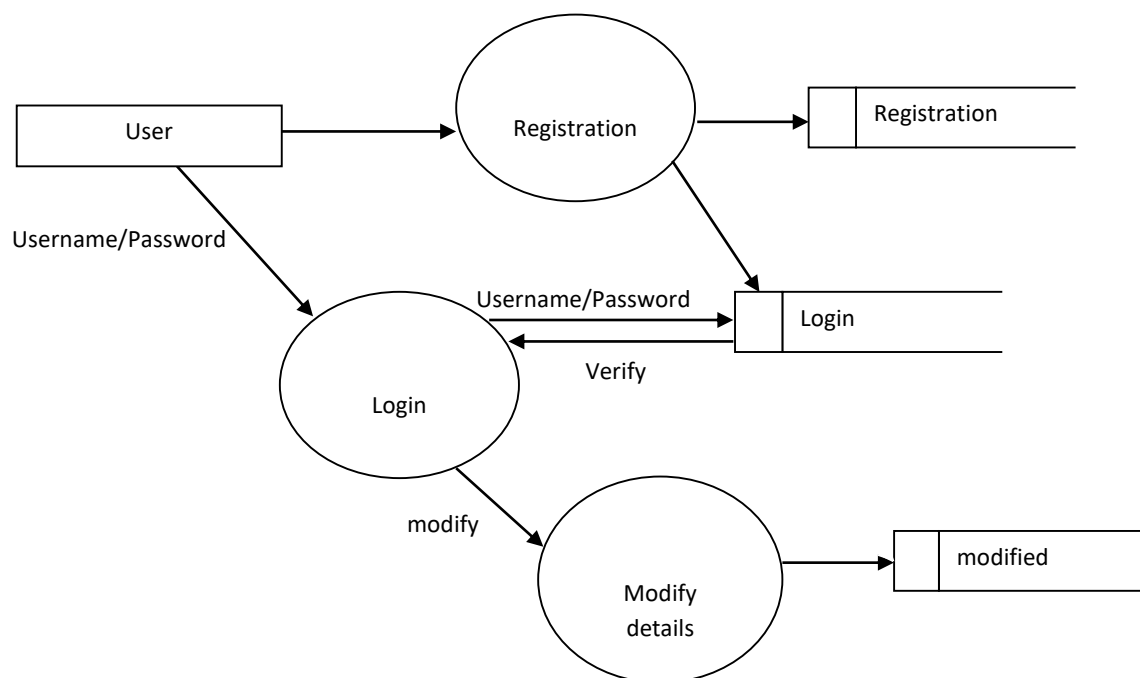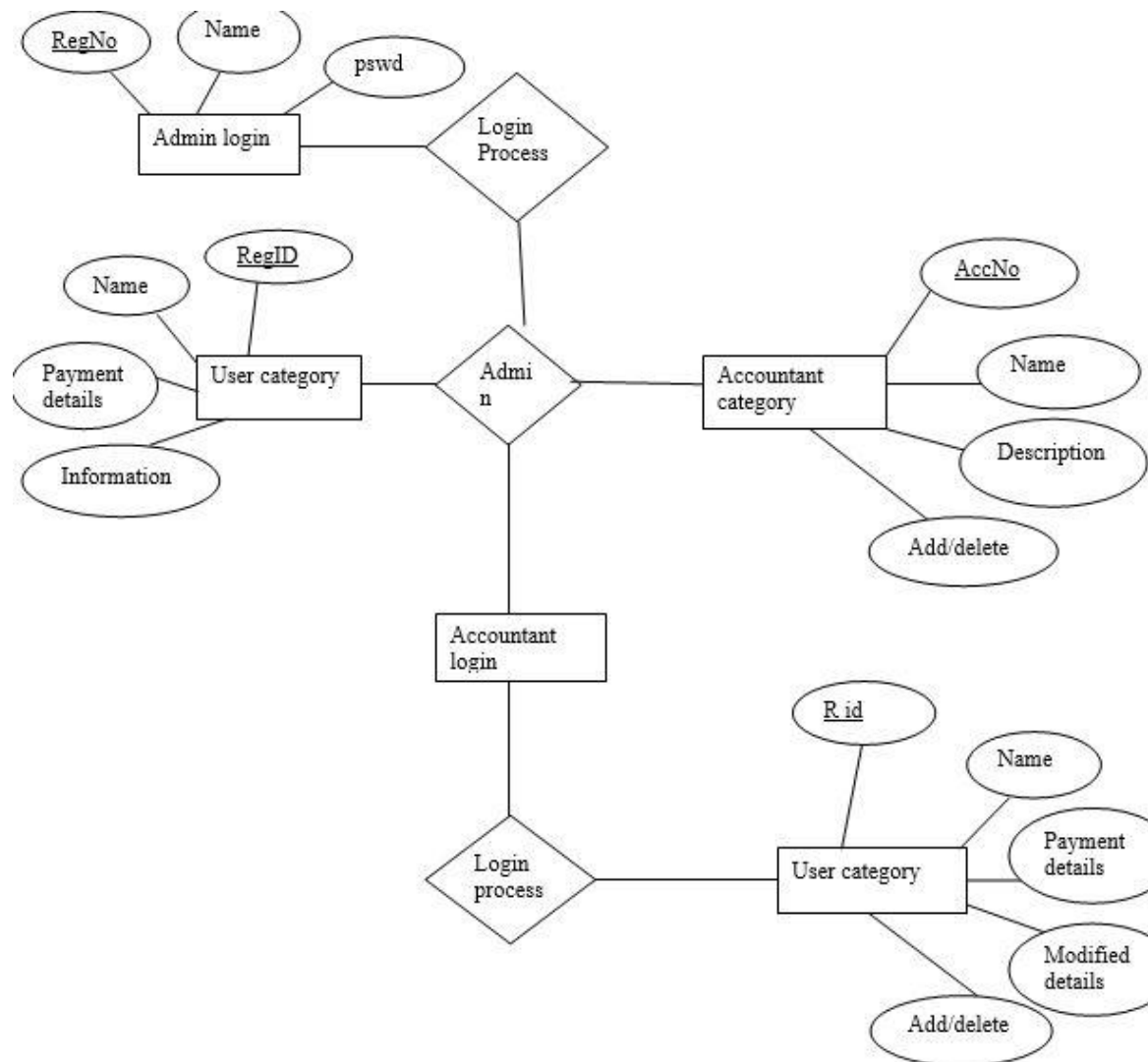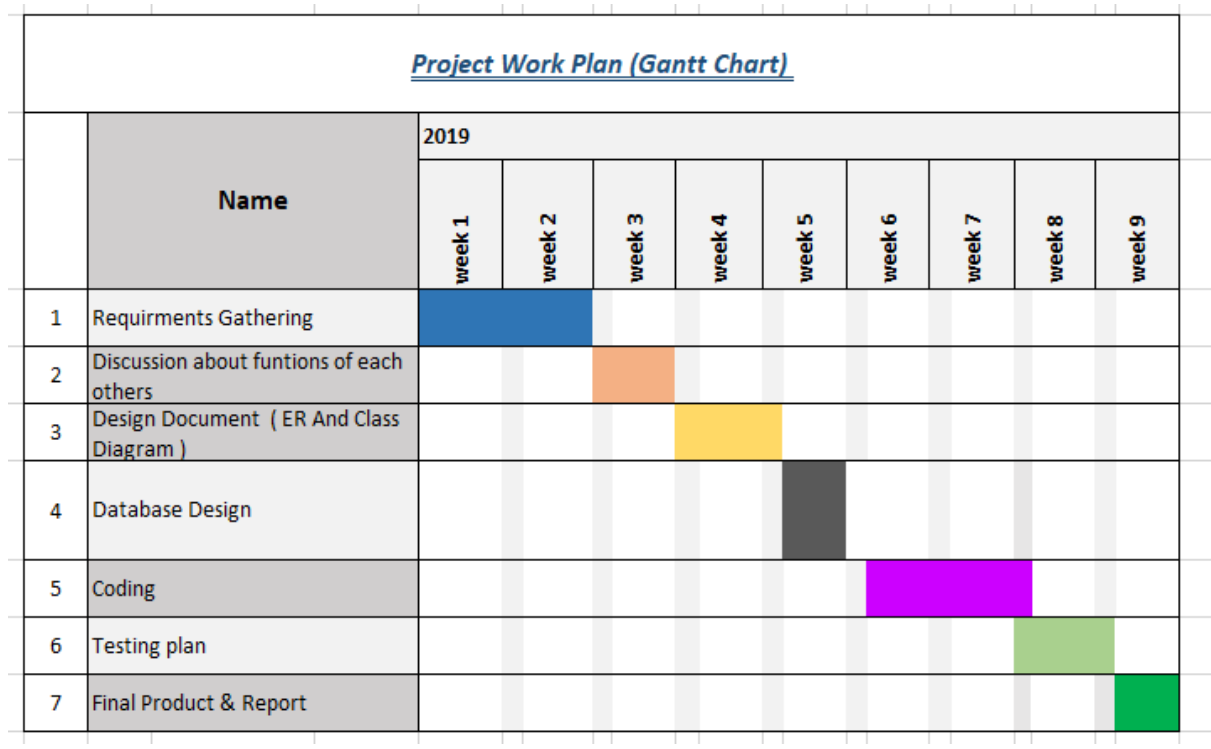
	Project Work Plan (Gantt Chart)									
	Name	2019								
		week 1	week 2	week 3	week 4	week 5	week 6	week 7	week 8	week 9
1	Requirments Gathering	██	██							
2	Discussion about funtions of each others			██						
3	Design Document (ER And Class Diagram)				██					
4	Database Design					██				
5	Coding						██	██		
6	Testing plan								██	
7	Final Product & Report									██

9. Clickable URL to your GIT repo

https://github.com/lakshaniekanayake/PafAssessment_IT17028424.git

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