



# VIT MESS MANAGEMENT SYSTEM

PROJECT REVIEW-I

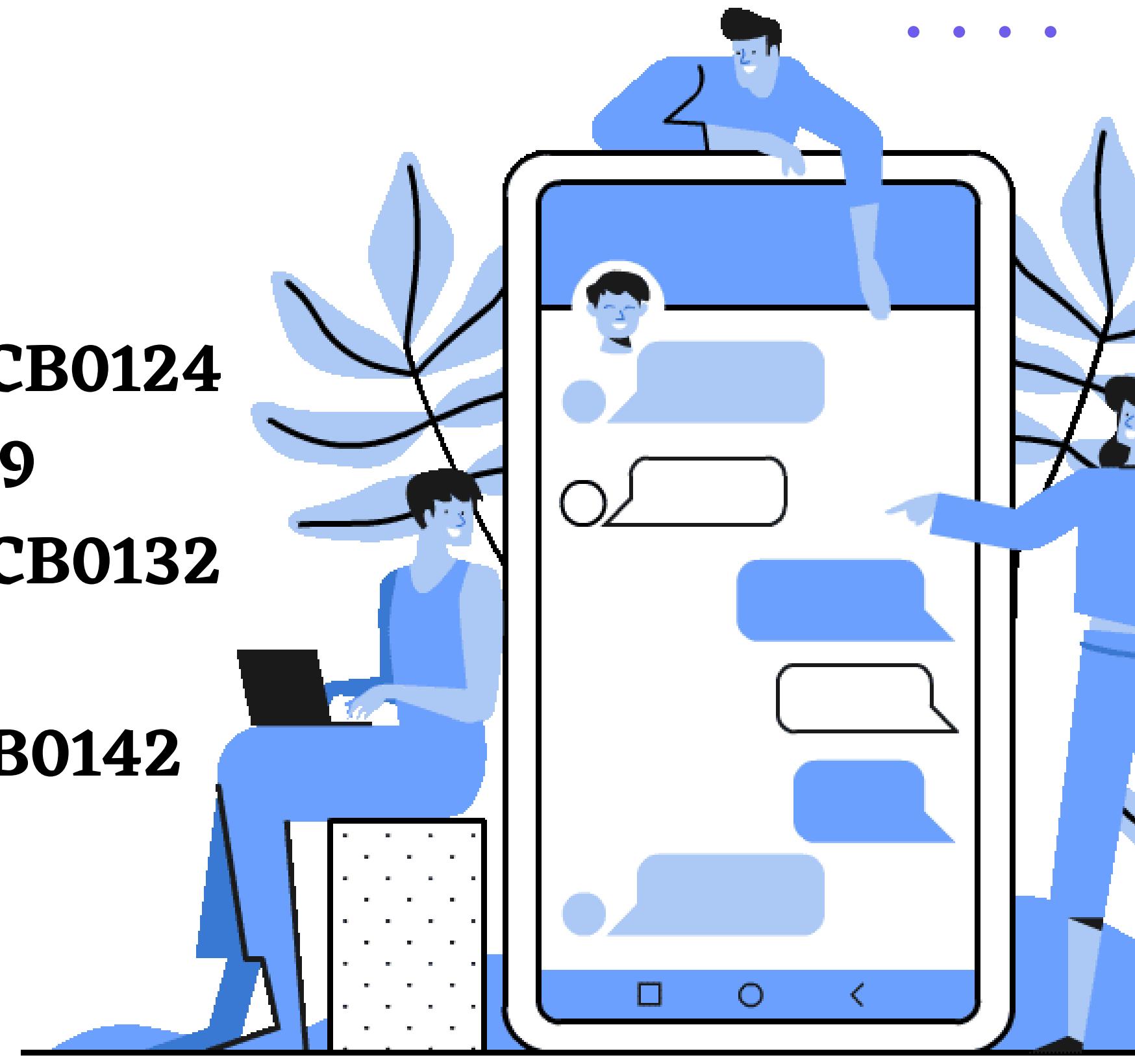


CSE 1005 SOFTWARE DESIGN AND DEVELOPMENT

# TEAM MEMBERS

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- K. S S HARSHA - 20BCB0129
- LAKSHYA VASWANI - 20BCB0132
- M.RITIKA - 20BCB0134
- SAGUTURU KAVYA - 20BCB0142

REVIEW II

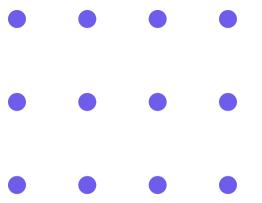




# PROBLEM STATEMENT

- For our problem statement we have decided to work upon something which would be relevant to all the students and could easily be implemented. One of the major issues which hostel students face is related to mess food and timings. It often happens that students skip their meal due to long waiting period at their hostel mess ,which may eventually lead to them missing the next session or one may not like the food quality/ taste at a particular mess . Apart from this , there might be different preferences of cuisine by students from different states. For example south Indians may prefer south indian and so on. We have tried to address this issue and came up with a software application which be a one stop solution for any problem around student mess in VIT. The app has 2 different interfaces for students and manager of the mess.

# LETS DISCUSS THE FUNCTIONING OF THIS APP AND HOW IT SOLVES EACH PROBLEM :



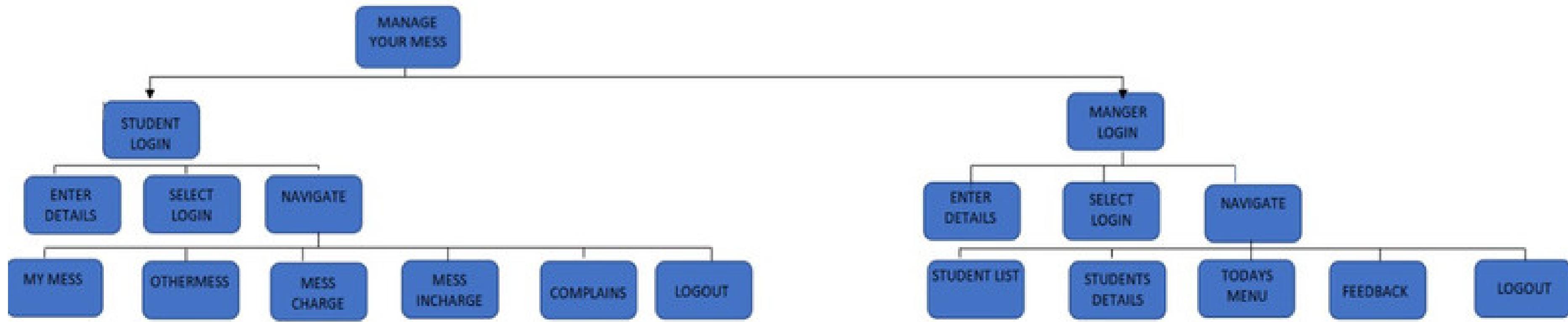
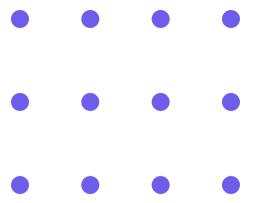
1. There are multiple mess caterers in VIT , this app provides transparent information about each mess , like quality of the food, mess timing, variety of dishes, cleanliness ( which will be gathered by student reviews who have already tried that mess) . So this will help a student to select the mess which best meets his/her requirements.
2. This app sends the notification of the menu during the mess timings. So that can remind of their current day mess menu without checking manually in their mess.
3. Student will be provided with the manager details so that they can directly interact with them and, can convey their problems like cleanliness, food quality, etc. (Only Email id will be provided as contact)

4. The manager will have the record of each and every student in his mess. He/she will even have the record of the students entering and leaving the mess and hence the strength of the mess. Since we all are aware of the massive strength of VIT, it often happens that students skip their lunch or breakfast due to long waiting line at their hostel mess and not being able to attend the next class on time. Our app shows the strength of students at each mess so that the student can chose a mess which has less strength and attend the class without any delay.

5. Future development goals of our project is to incorporate night canteen which are present inside our campus. The functioning will be similar to any other food delivering app ,where the order is placed depending on the options available and payment being made accordingly.

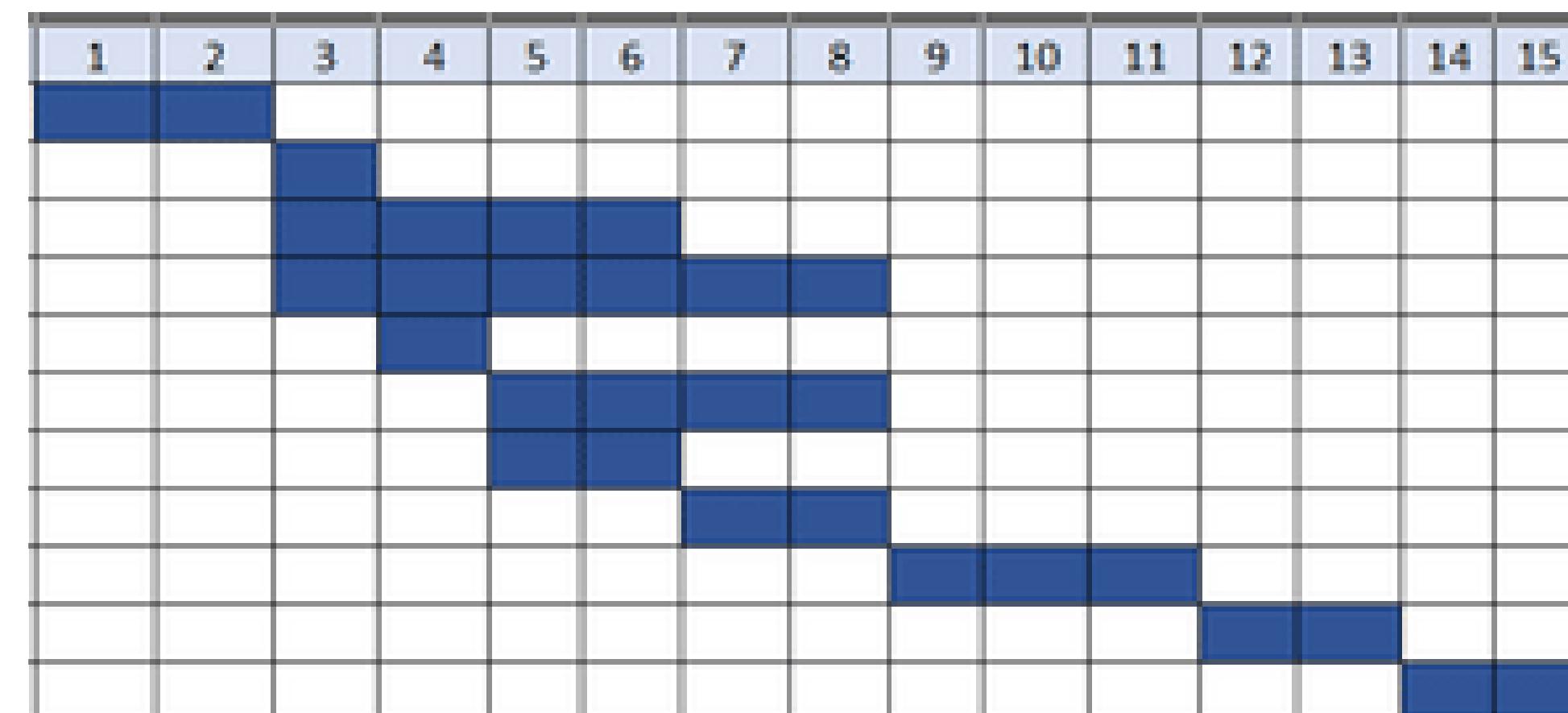
Due to covid , some students might want to avoid gathering at the mess where social distancing may not be strictly followed. Such student can opt for a food delivery, where they can select their preferable mess and place an order through our app. Minimal packing and delivery charges will be applied depending on how far the mess is from the hostel room location.

# WORK - BREAKDOWN



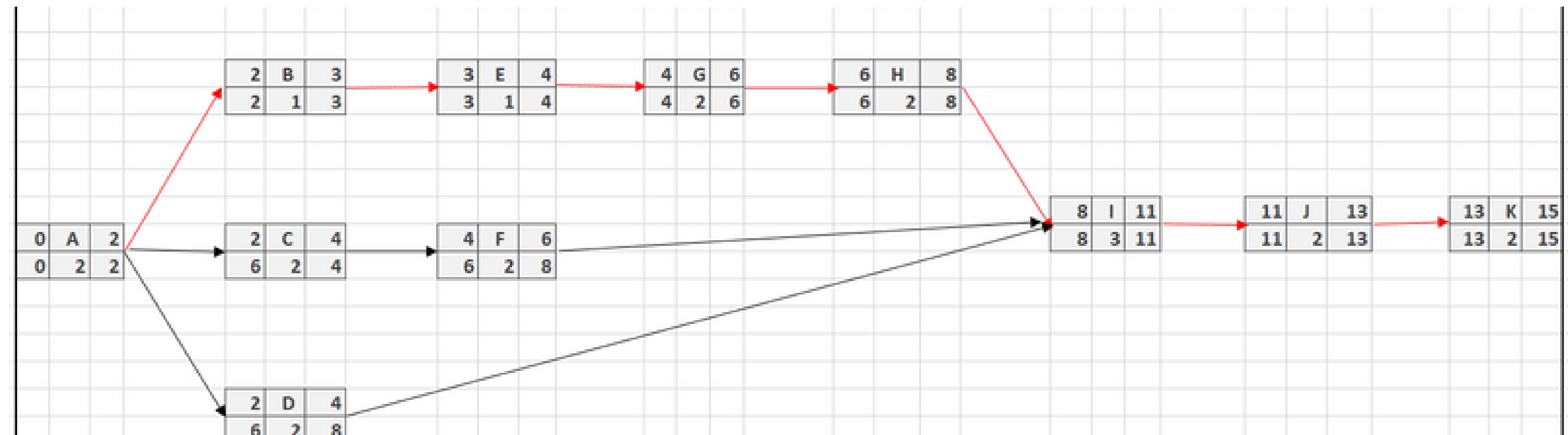
# Gantt chart

ACTIVITIES		Dependencies	Duration(Days)	ES	EF	LS	LF
Going to mess and eating	A	NONE	2	0	2	0	2
Reviewing the food at each mess	B	A	1	2	3	2	3
Giving attendance at your allotted mess	C	A	2	3	4	4	6
Providing notification of mess menu and timing	D	A	2	3	4	6	8
Selecting a particular mess catering	E	B	1	3	4	3	4
Recording strength of the mess	F	C	2	4	6	6	8
Taking suggestions for the improvement of food	G	E	2	4	6	4	6
Registering complains to mess manager	H	G	2	6	8	6	8
Manager looking into problems and talking to mess authorities	I	DFH	3	8	11	8	11
Problems being resolved by manager	J	I	2	11	13	11	13
Manager ensuring proper functioning of the mess	K	J	2	13	15	13	15



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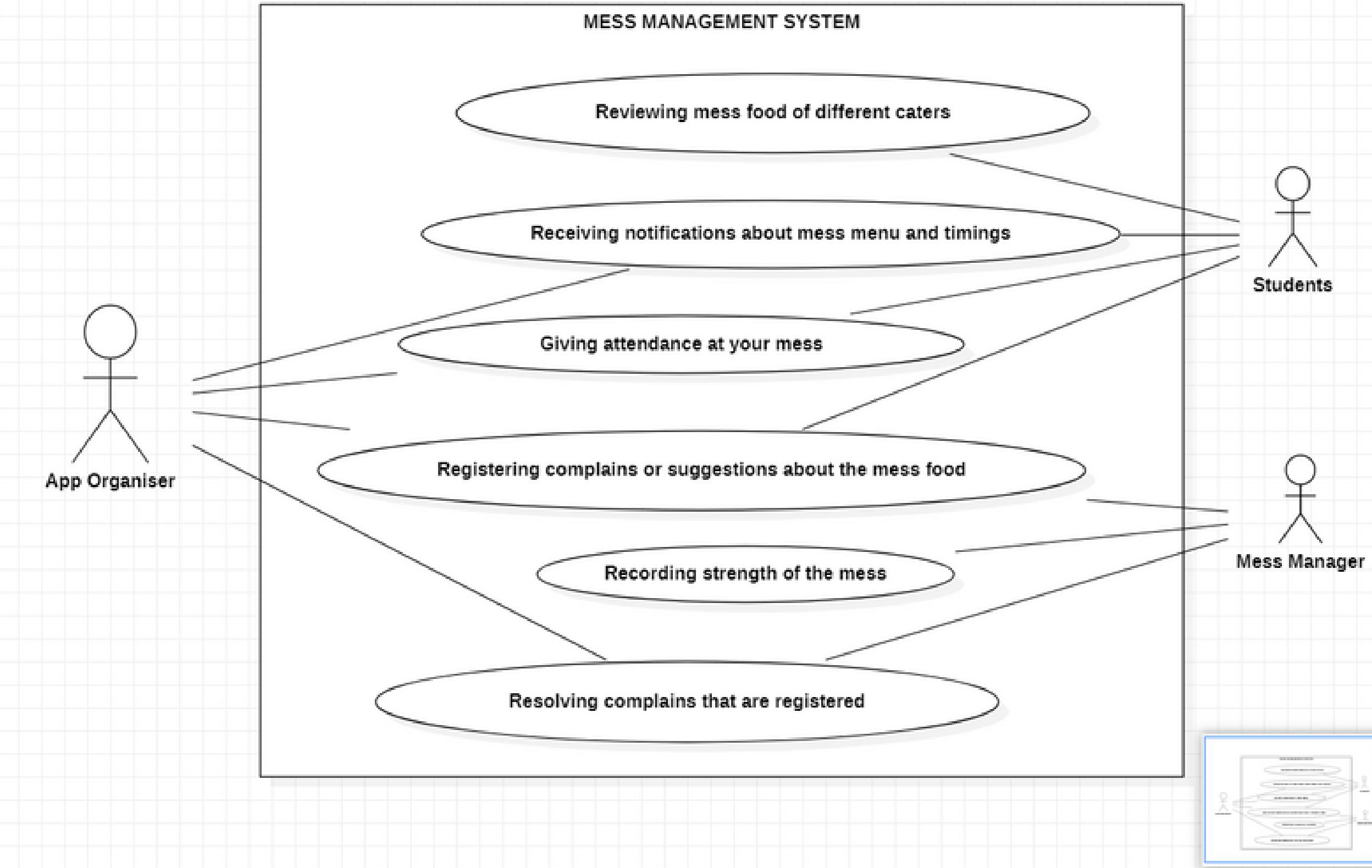
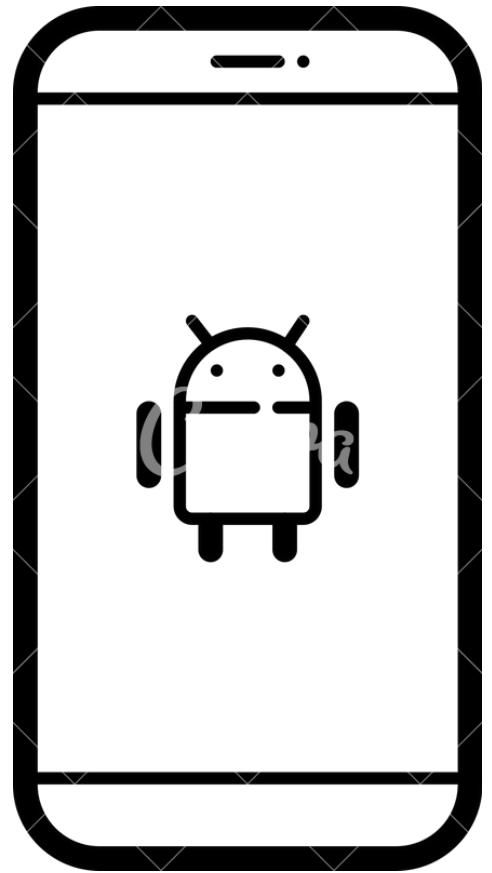
# Pertt chart



## Critical path and milestones

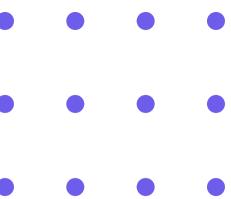
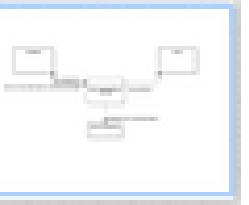
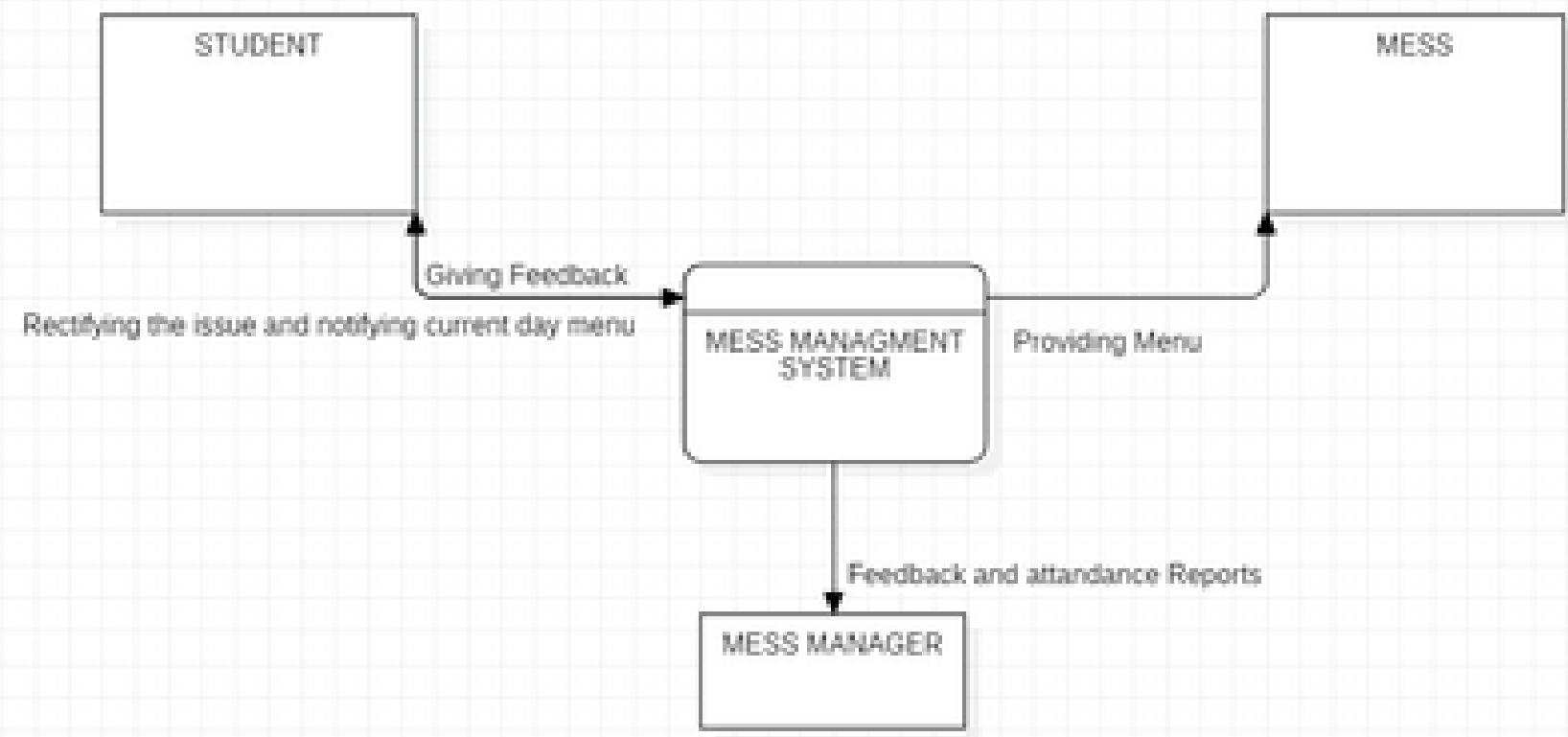
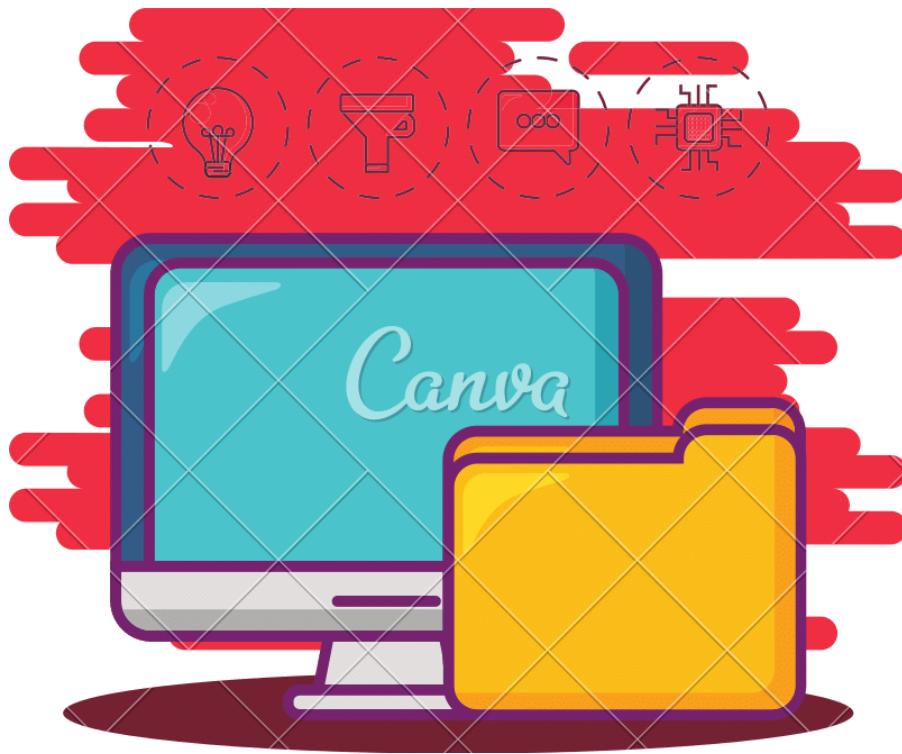
A → B → E → G → H → I → J → k

# USE CASE DIAGRAMS

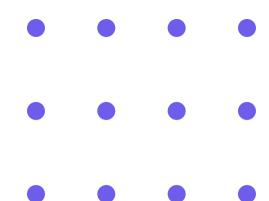
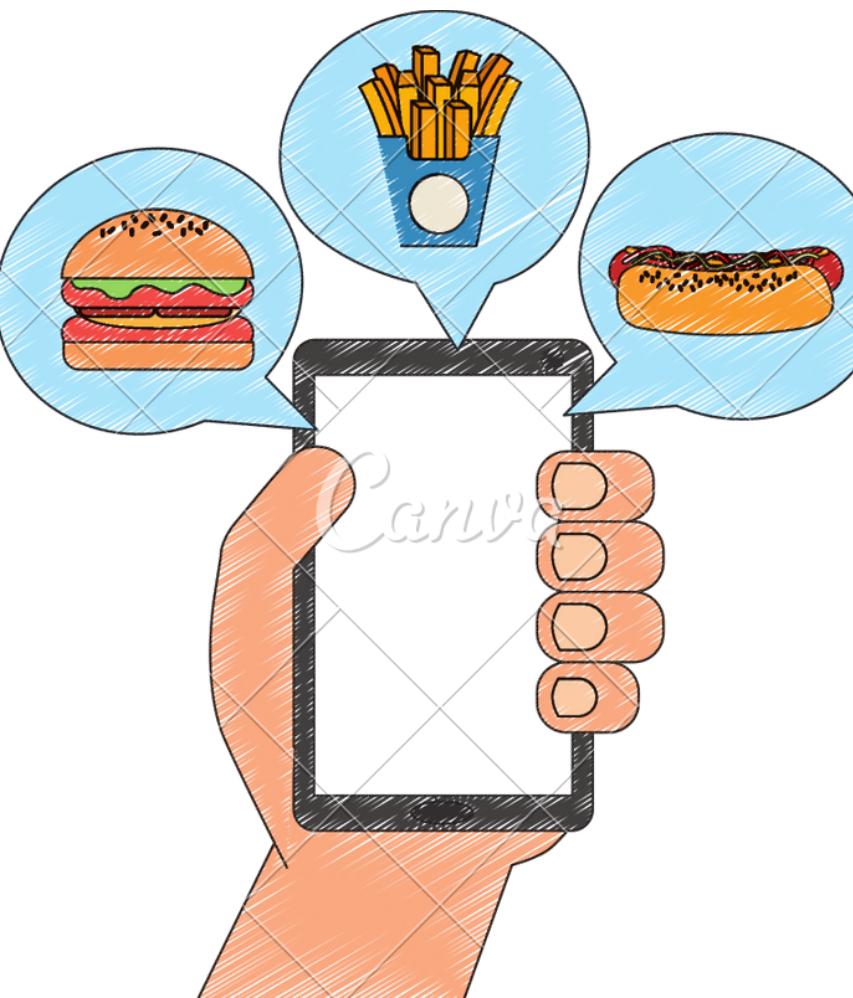
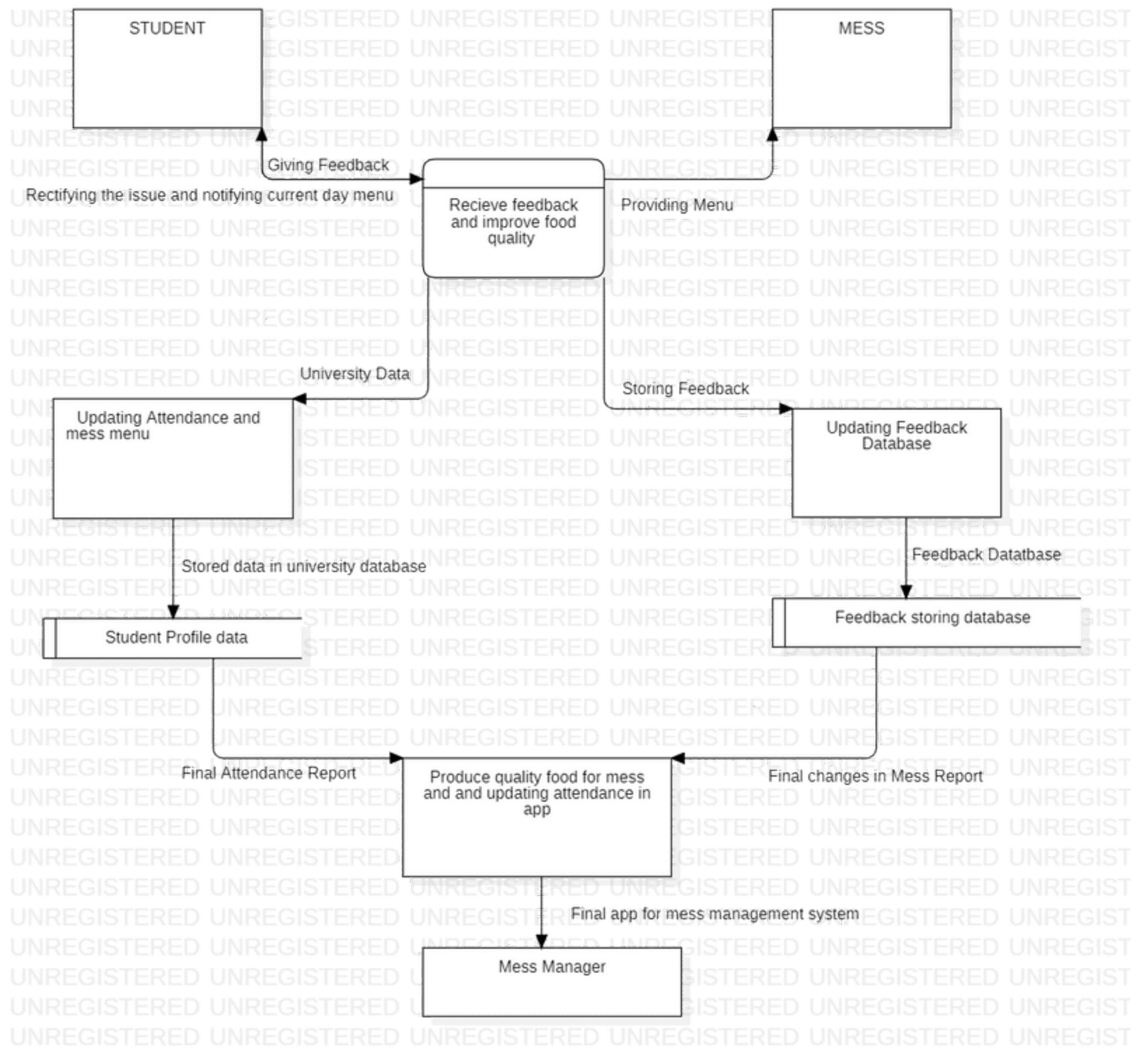


# DATA FLOW DIAGRAM

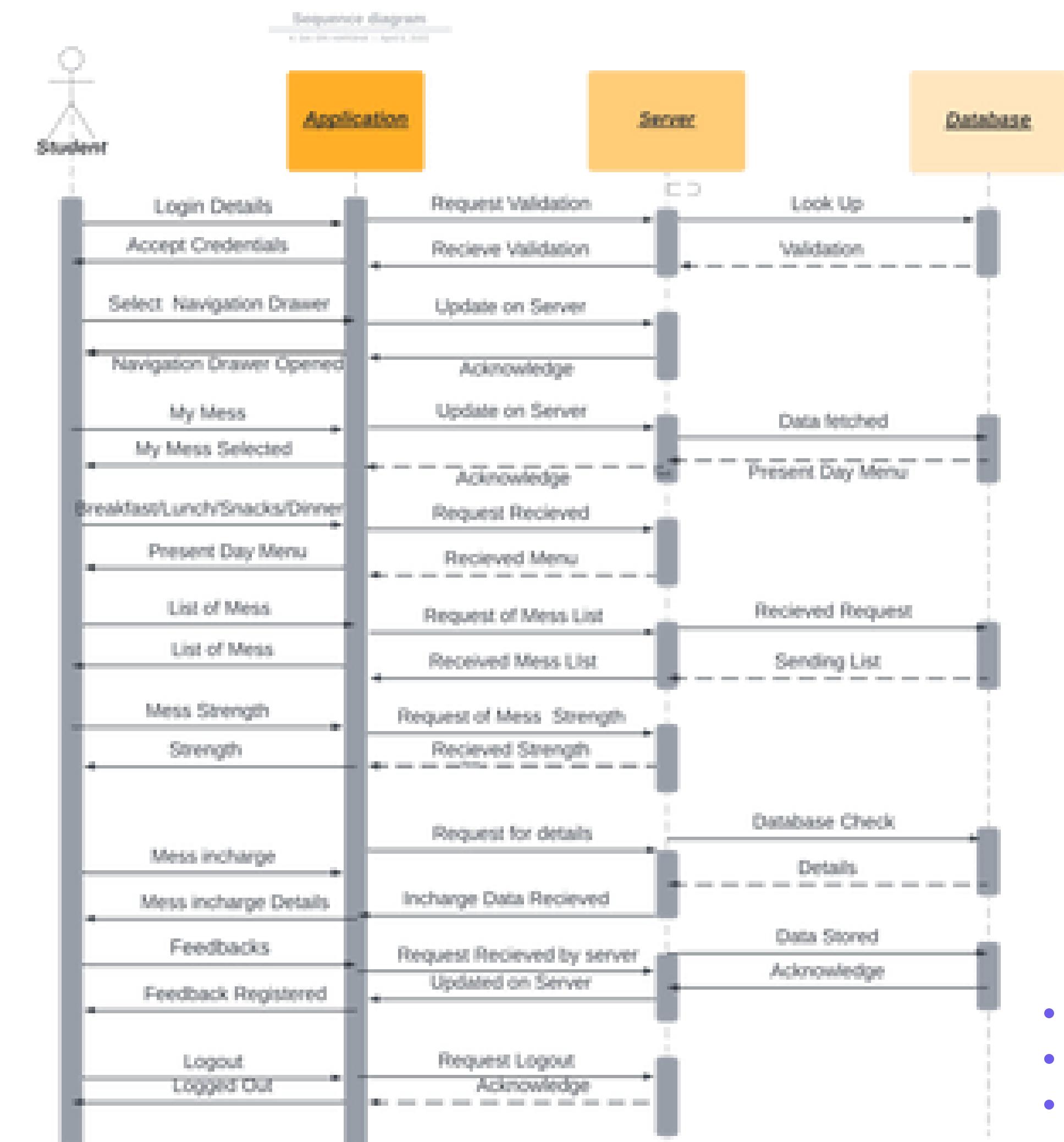
## LEVEL-0



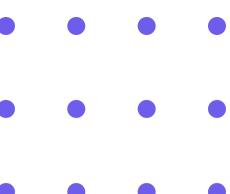
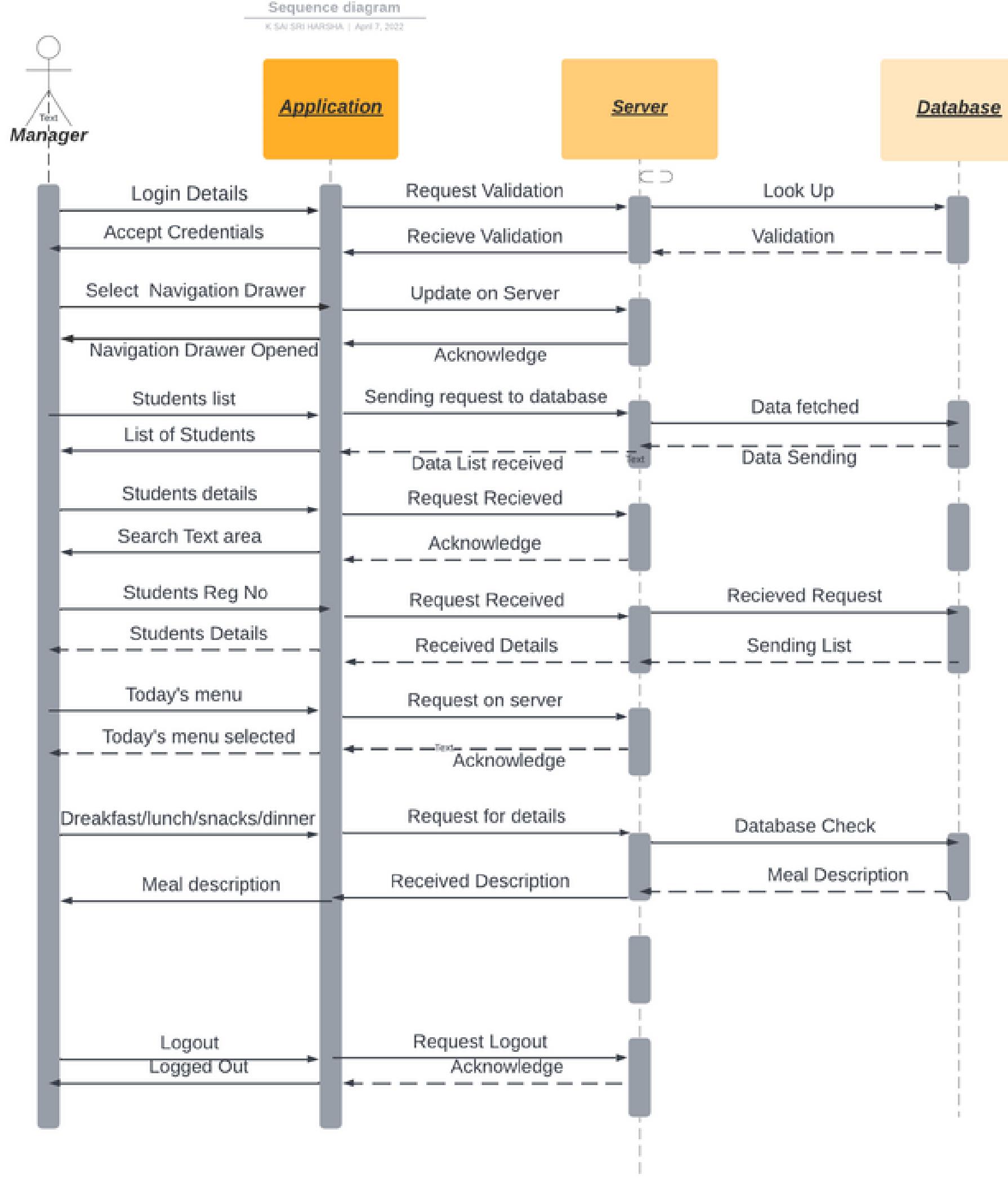
# LEVEL-I



# SEQUENCE DIAGRAM STUDENT



# SEQUENCE DIAGRAM MANAGER

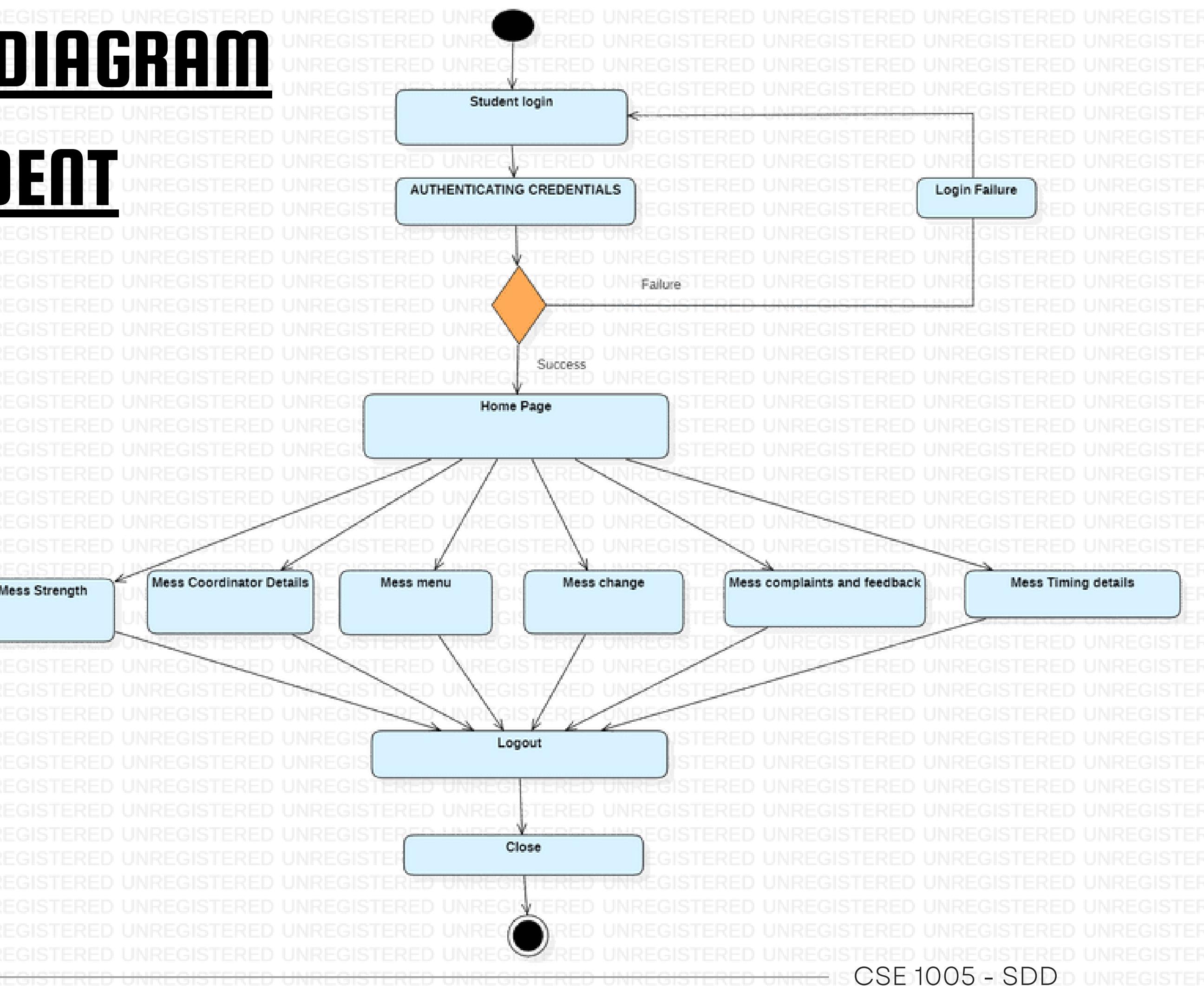


# ACTIVITY DIAGRAM

## STUDENT

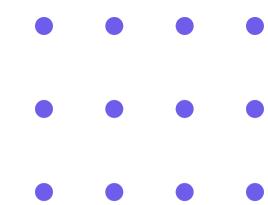
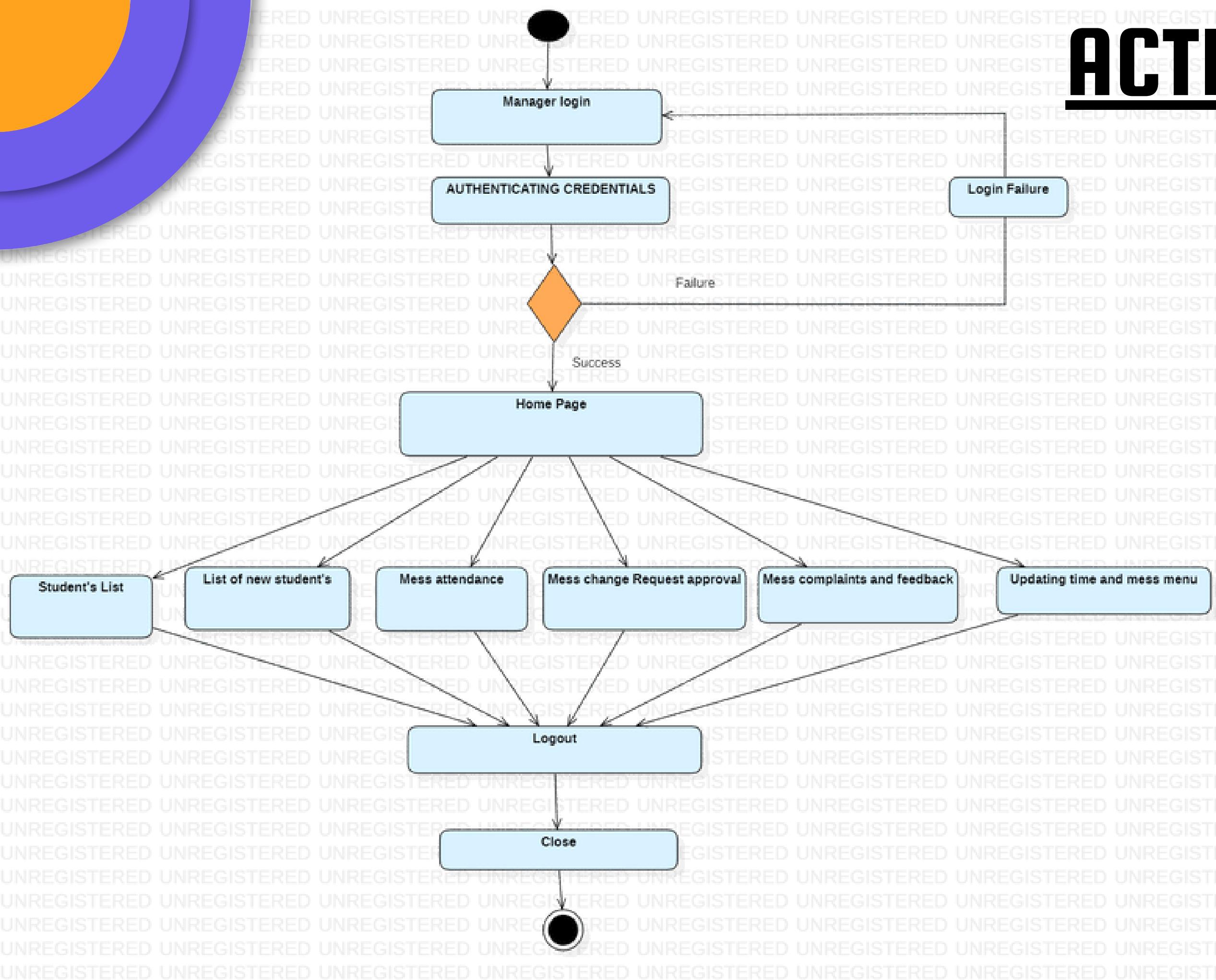


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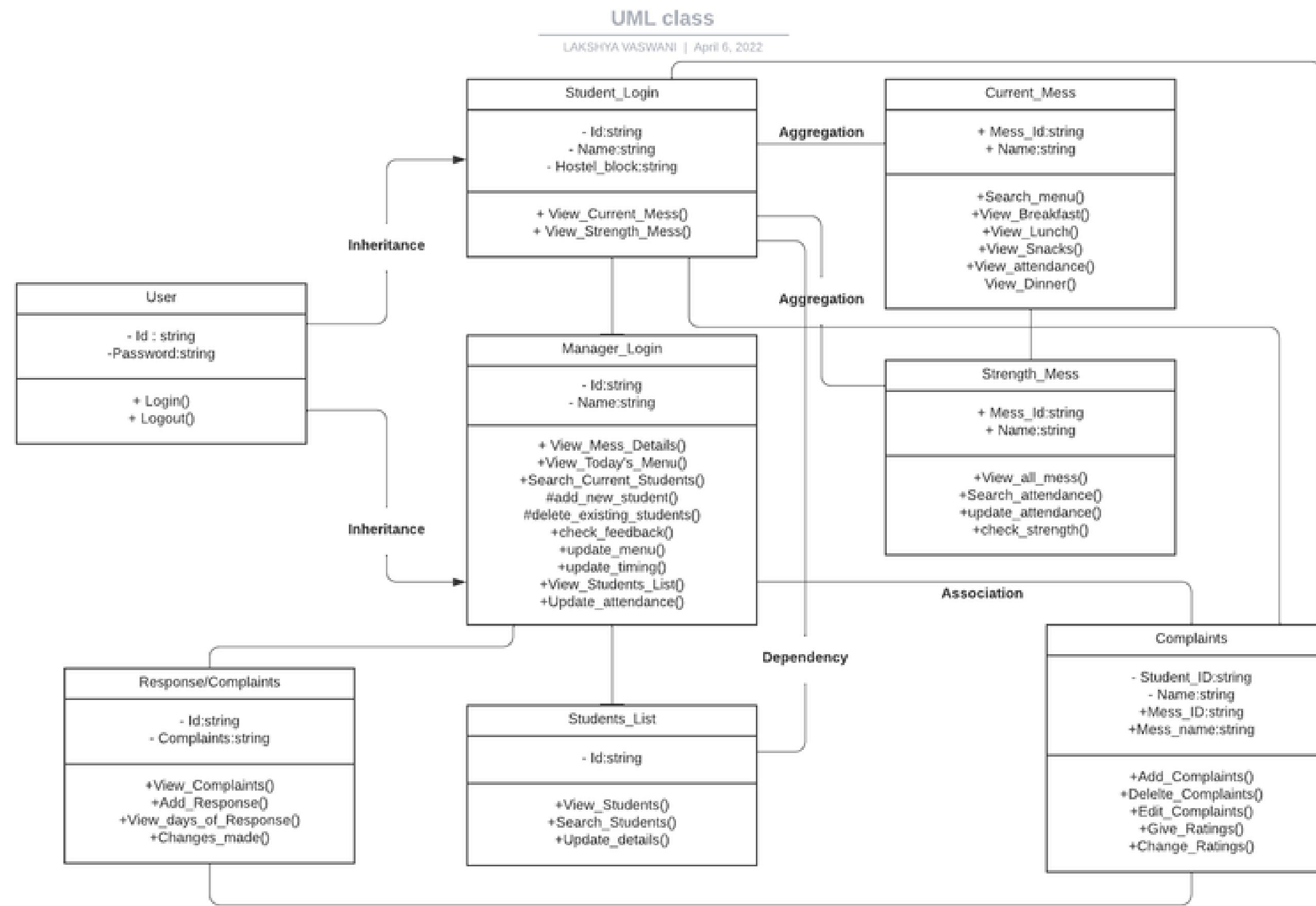


# ACTIVITY DIAGRAM

## For Manager

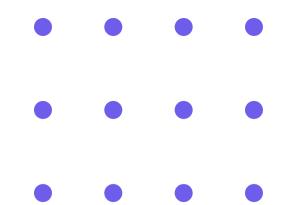


# CLASS DIAGRAM



# **INDIVIDUAL WORK MODULE**

## **REVIEW - 2**



### **RITIKA**

- GANTT CHART
- PERT CHART
- USE CASE MODEL

### **LAKSHYA**

- ACTIVITY DIAGRAM- STUDENT
- MANAGER AD
- CLASS DIAGRAM

### **HARSHA**

- SEQUENCE DIAG - STUDENT
- MANAGER SD
- GANTT AND PERT

### **KAVYA**

- PROBLEM STATEMENT
- WORK BREAKDOWN AND CLASS
- PPT MAKING AND DOCUMENTATION

### **SHUBHAM**

- DFD LEVEL - 0 AND 1
- ACTIVITY DIAGRAM - MANGER
- DOCUMENTATION AND PPT



# THANK YOU!

