
MESRA – DEOGHAR CAMPUS

Computerization of BIT



ROLL NO-BTECH/60080/19

IT305 Software Engineering

SUBMITTED BY:-

NAME-ANAMIKA THAKUR

Module 1: SEMESTER OFFICE

1.1 REQUIREMENTS

- 1. ADMISSION**
- 2. SEMESTER FEES**
- 3. REGISTRATION**
- 4. ATTENDANCE**
- 5. SCHOLARSHIP**
- 6. MANAGEMENT**
- 7. NOTIFICATION**
- 8. ACADEMIC HELPER**
- 9. REGISTRAR**
- 10. ADMINISTRATION**

1.2 DESCRIPTION

1.ADMISSION

Description: User must take admission

2.SEMESTER FEES

Description: user must pay the semester fees and take the receipt

3.REGISTRATION

Description: user must provide his details and register for their course

4. ATTENDANCE

Description: semester office should provide attendance detail to the user

5. SCHOLARSHIP

Description: scholarship should be granted to the user based on merit,need,etc

6. MANAGEMENT

Description: guides and coordinates the activities of user

7. NOTIFICATION

Description: notifies the user with any sort of information

8. ACADEMIC HELPER

Description: Provides academic assistance to the user

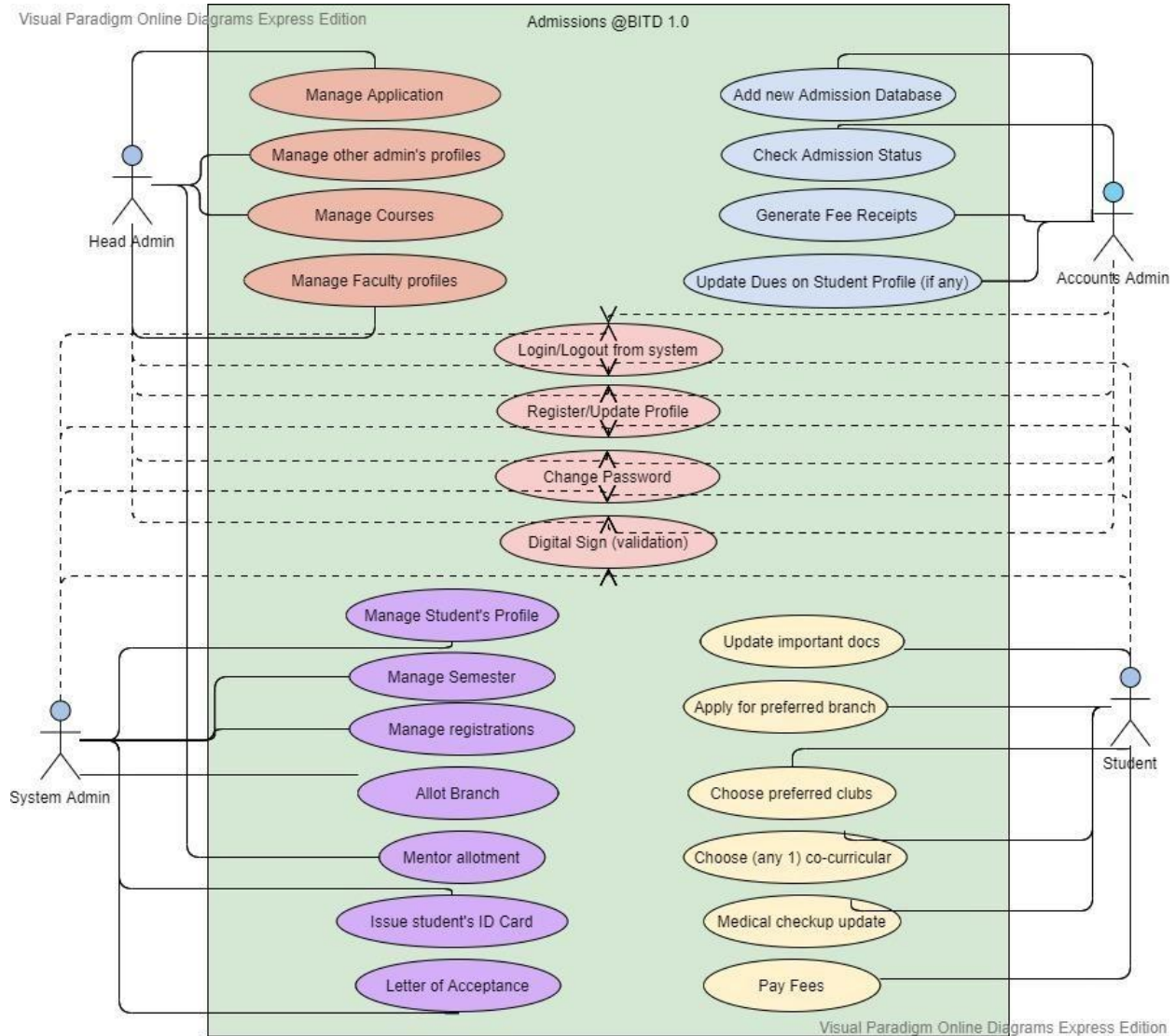
9. REGISTRAR

Description: Organize and administer records, progression and graduation eligibility of user

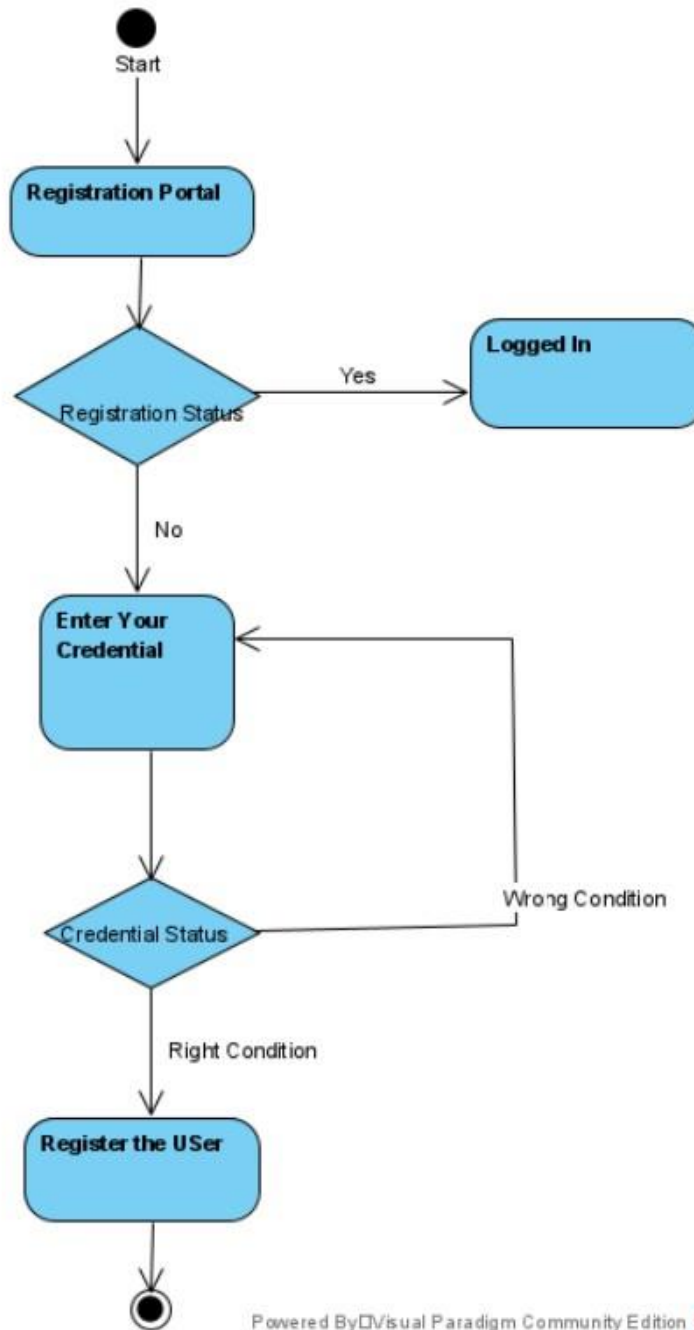
10. ADMINISTRATION

Description: Responsible for controlling and organising university activities

1.3 USE CASE DIAGRAM

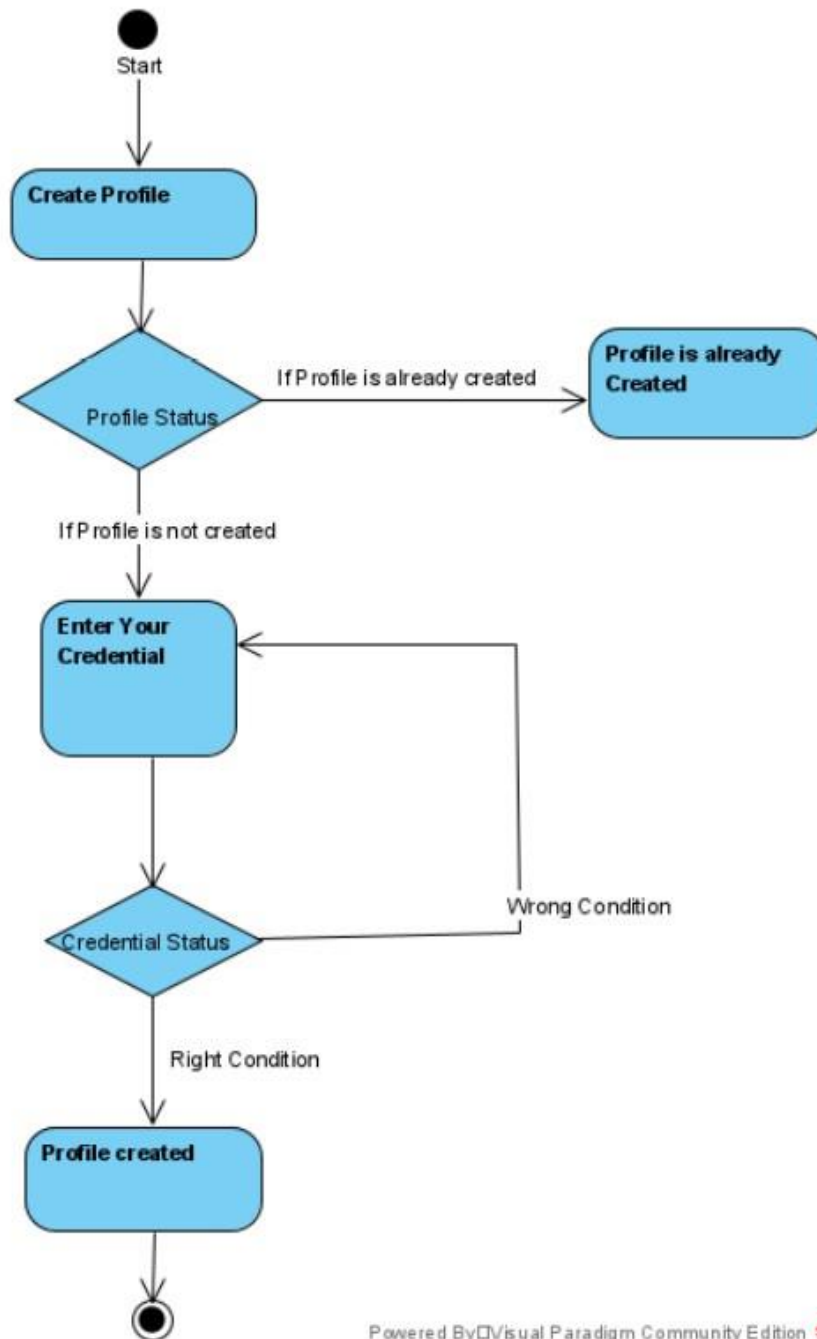


1.4 ACTIVITY DIAGRAM



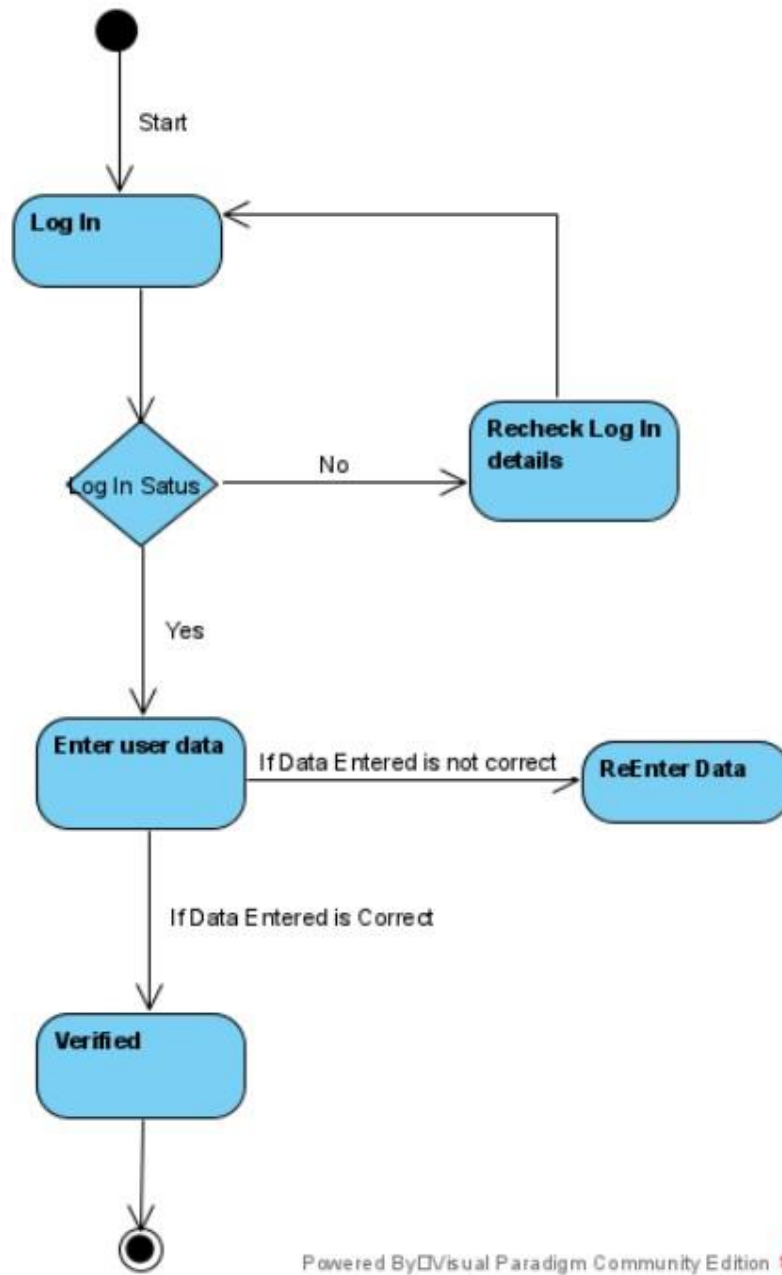
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Activity diagram of user registration

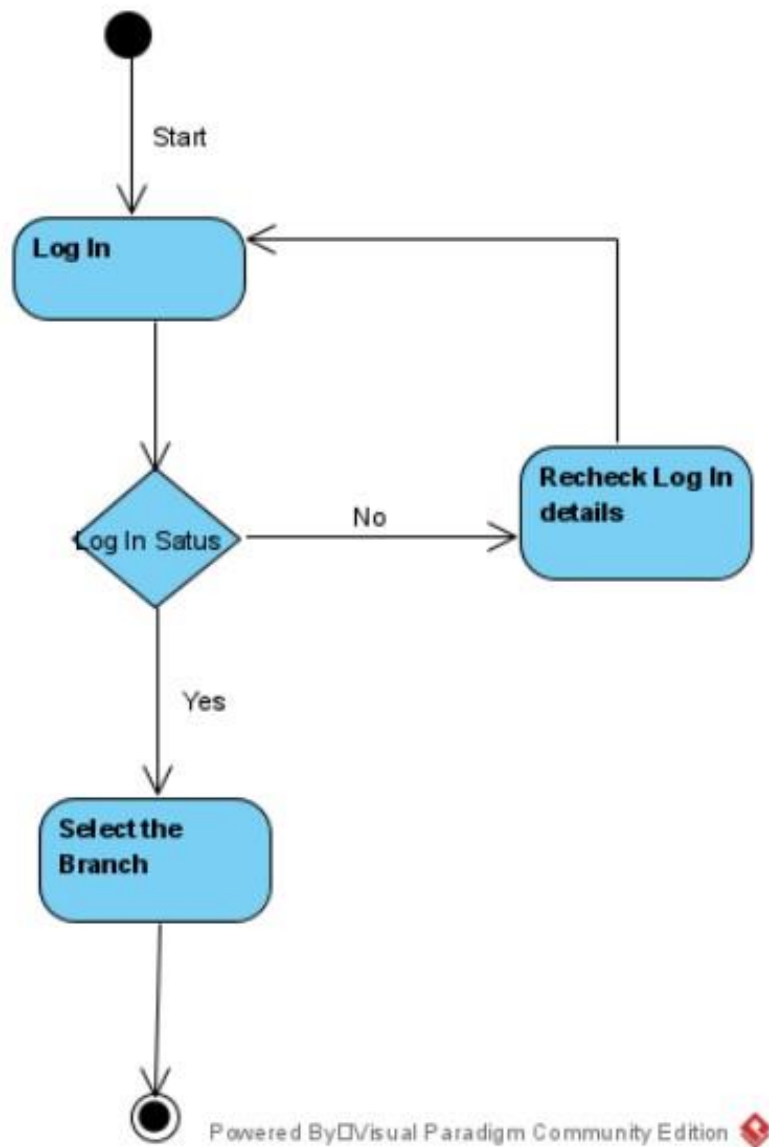


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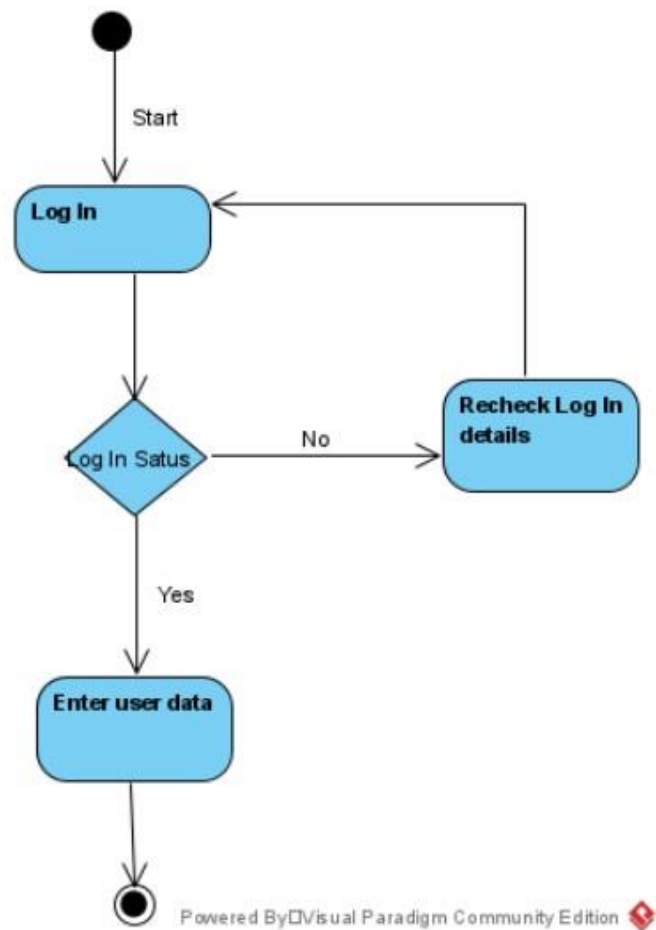
Activity diagram of user's Profile



Activity diagram of data verification

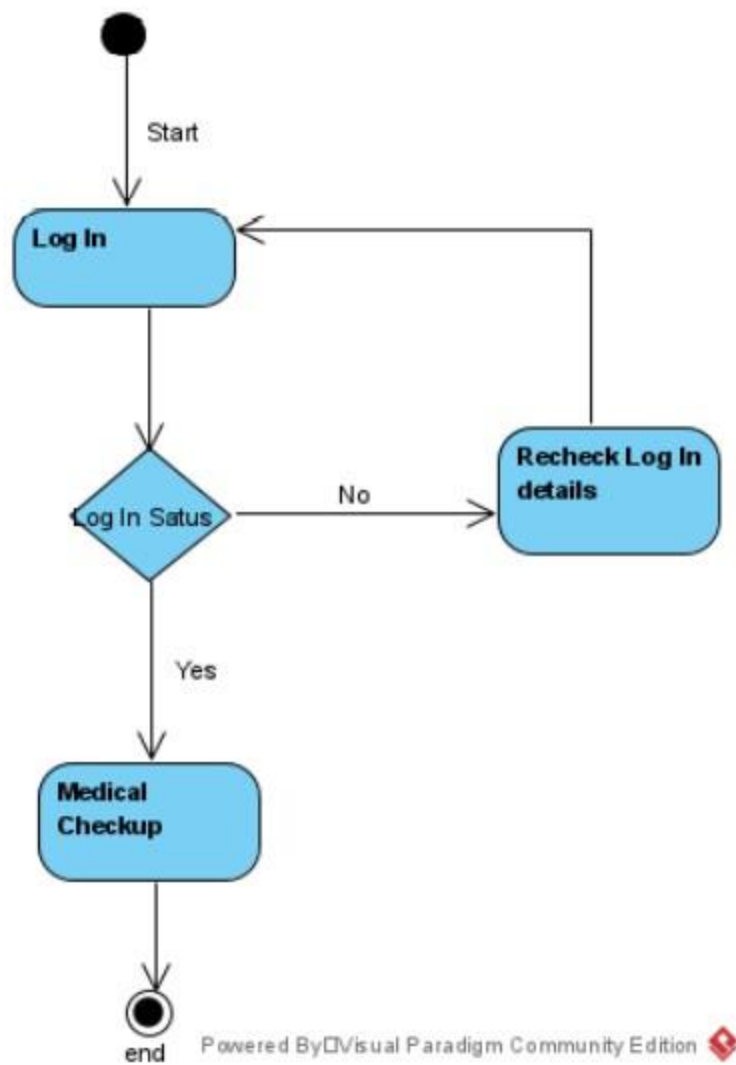


Activity diagram of branch selection

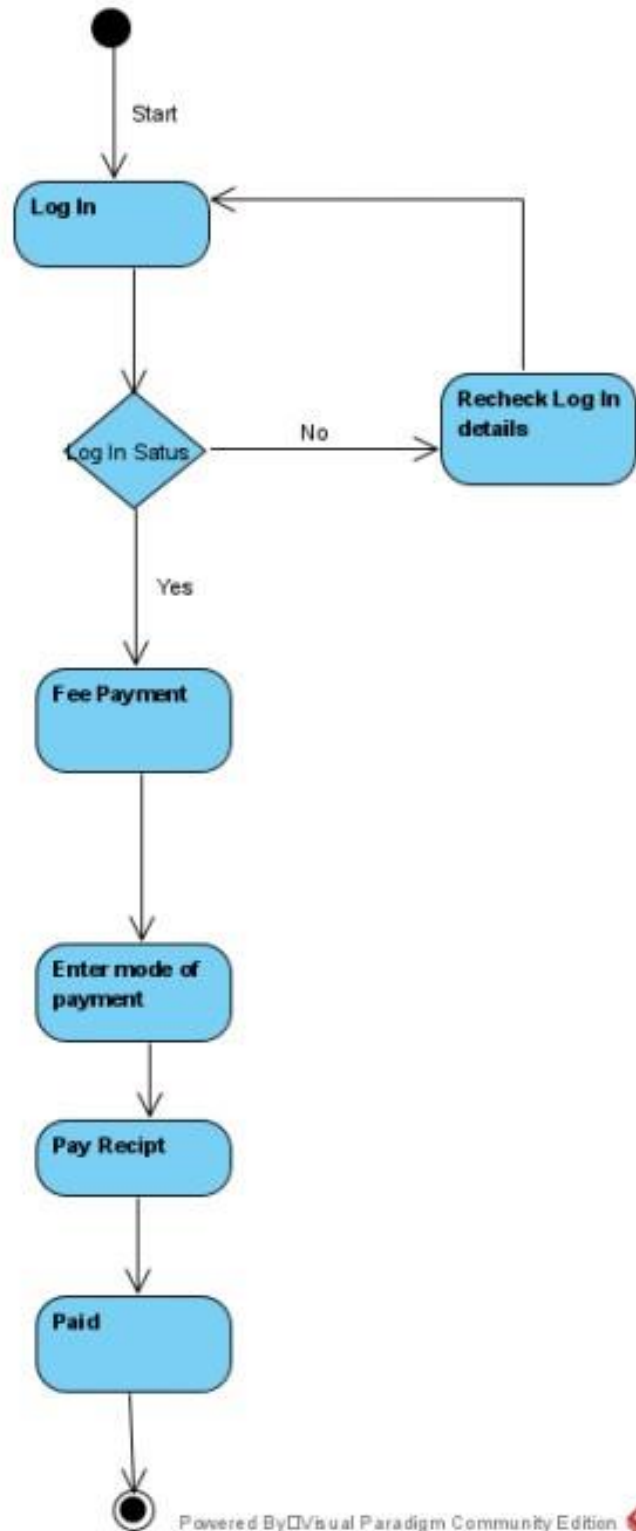


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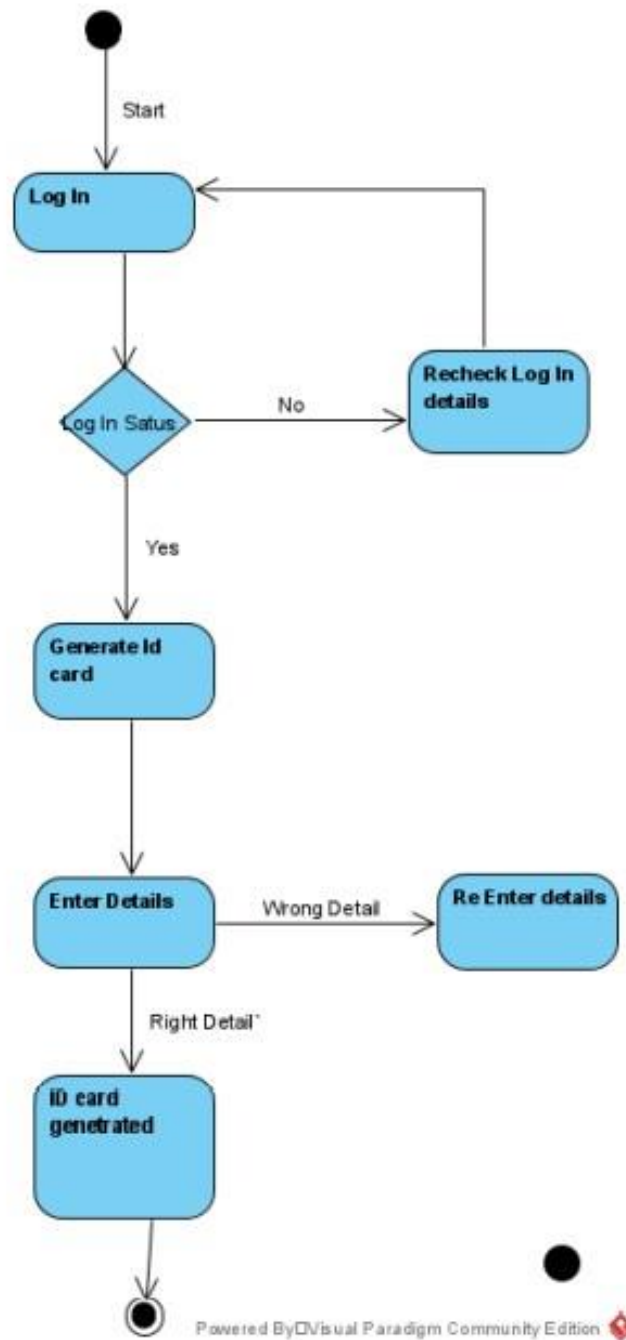
Activity diagram of user's details



Activity diagram of medical checkup



Activity diagram of fee payment



Activity diagram of Id card

MODULE 2: GIRLS HOSTEL

2.1 REQUIREMENTS

1. ADD STUDENT
3. STUDENT ID
4. STUDENT PROFILE
5. ROOM ALLOTMENT
6. MESS FACILITY
7. HOSTEL FEES DUES
8. MESS DUES
9. LAUNDARY
10. MEDICAL CHECKUP
11. CAUTION MONEY
12. ROOM LEAVING

2.2 DESCRIPTION

1. ADD STUDENT

Description: Allows the hostel to add new student

3. STUDENT ID

Description: Generates a unique id of the student

4. STUDENT PROFILE

Description: Displays and overview profile of the student based on course and information provided

5. ROOM ALLOTMENT

Description: Allots the rooms to the students on grounds of session and course

6. MESS FACILITY

Description: Provides quality and hygienically safe food to all students

7. HOSTEL FEES DUES

Description: It keeps a record of student dues if it is paid or not

8. MESS ACCOUNT

Description: This account has the mess status of the whole month

9. LAUNDARY

Description: Maintains the record of the user's loads

10. MEDICAL CHECKUP

Description: The User has to go through medical checkup

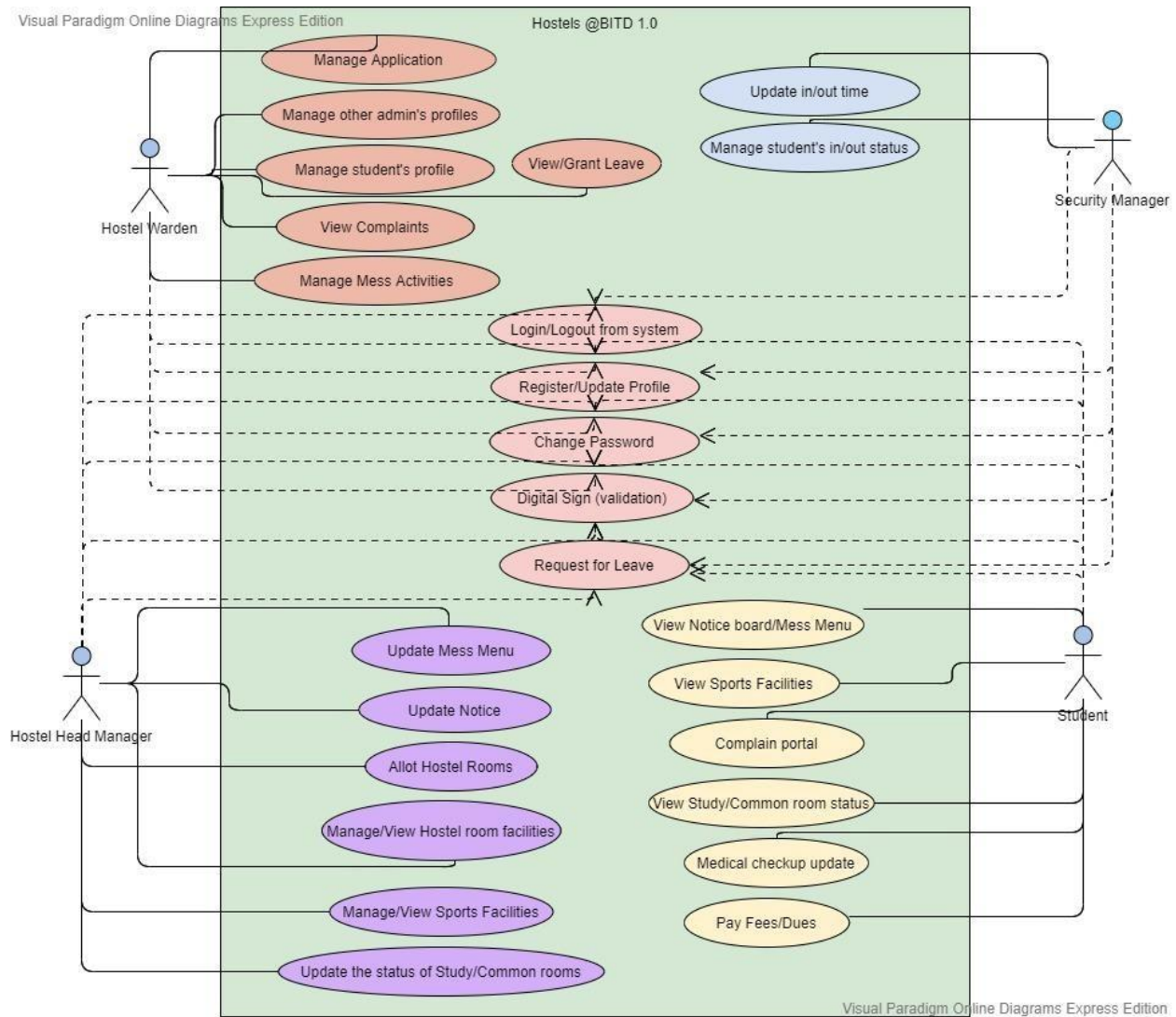
11. CAUTION MONEY

Description: Hostel management keeps the money as a security for good conduct

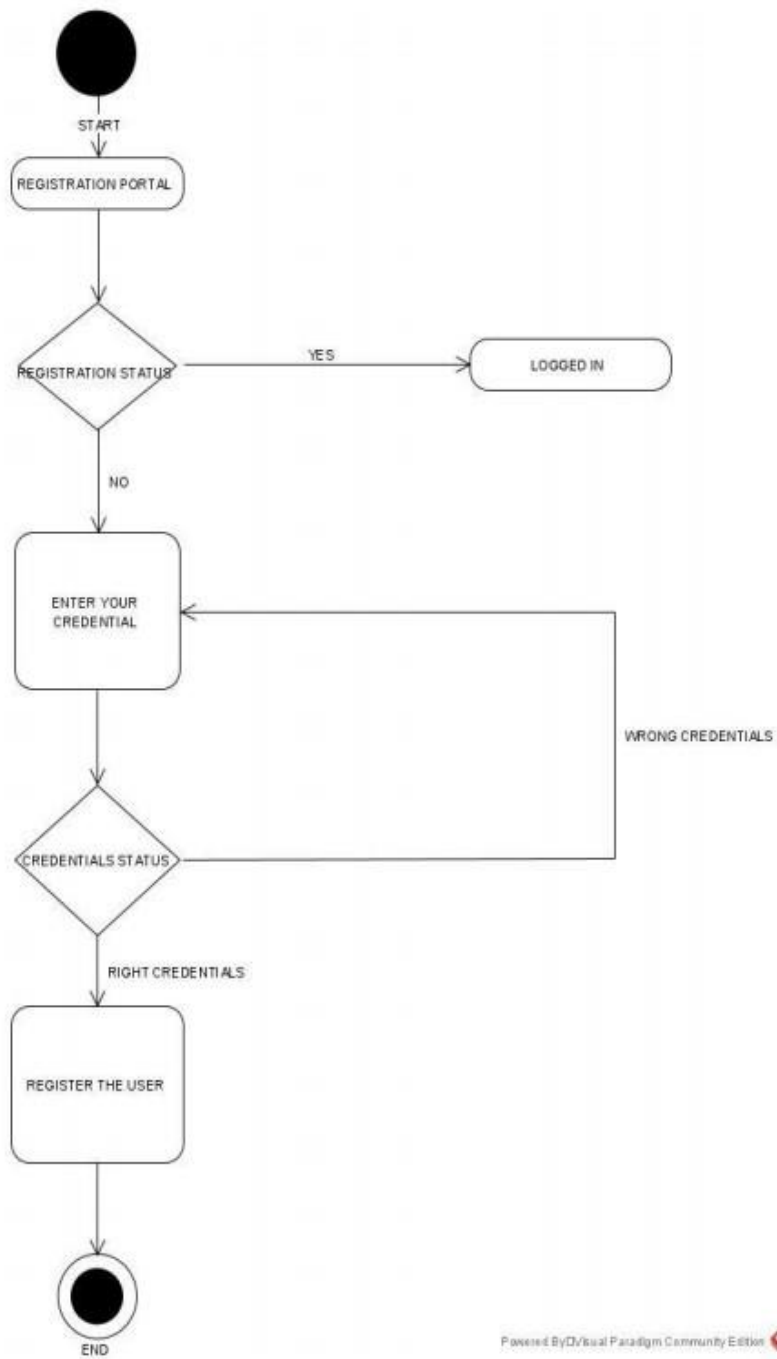
12. ROOM LEAVING

Description: Student checks out the room and updates.

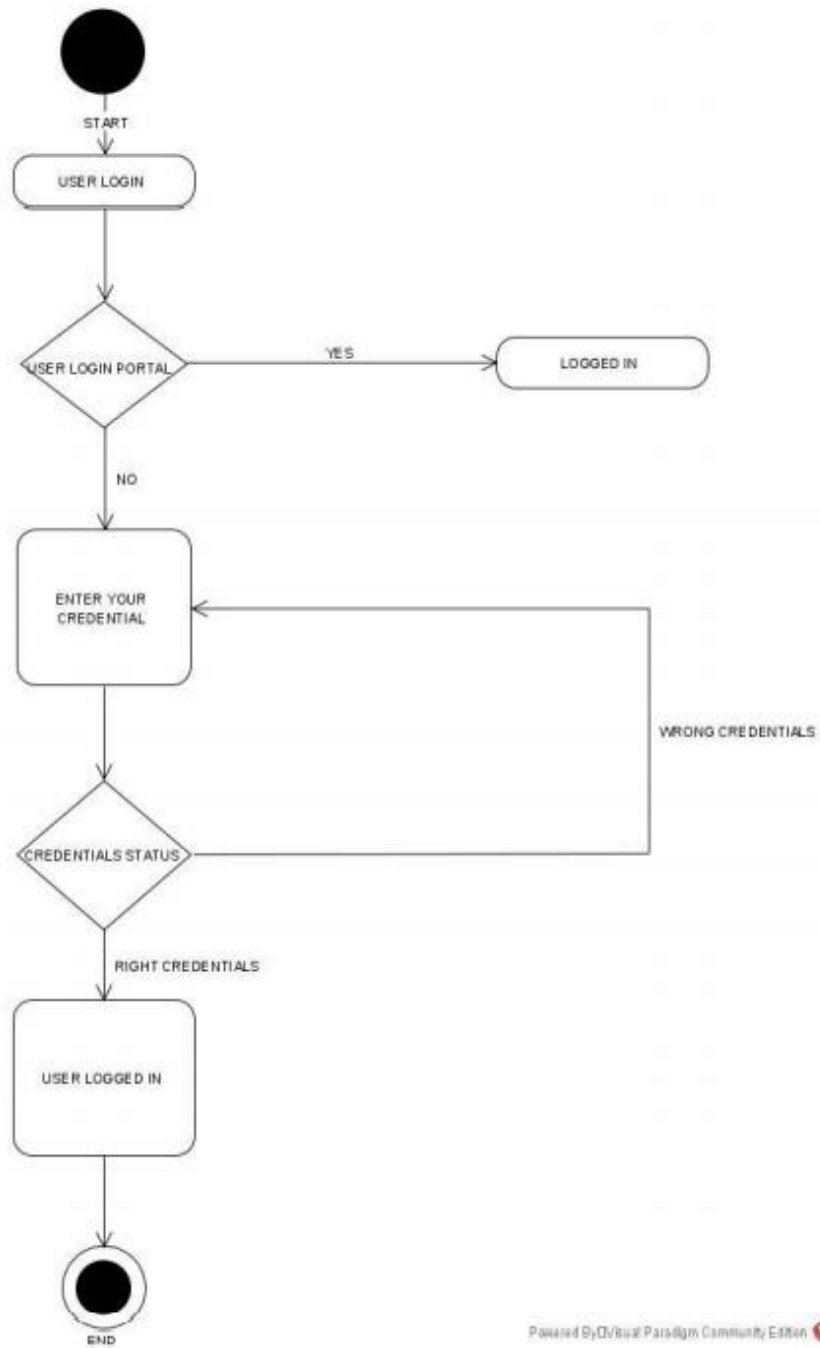
2.3 USE CASE DIAGRAM



2.4 ACTIVITY DIAGRAM

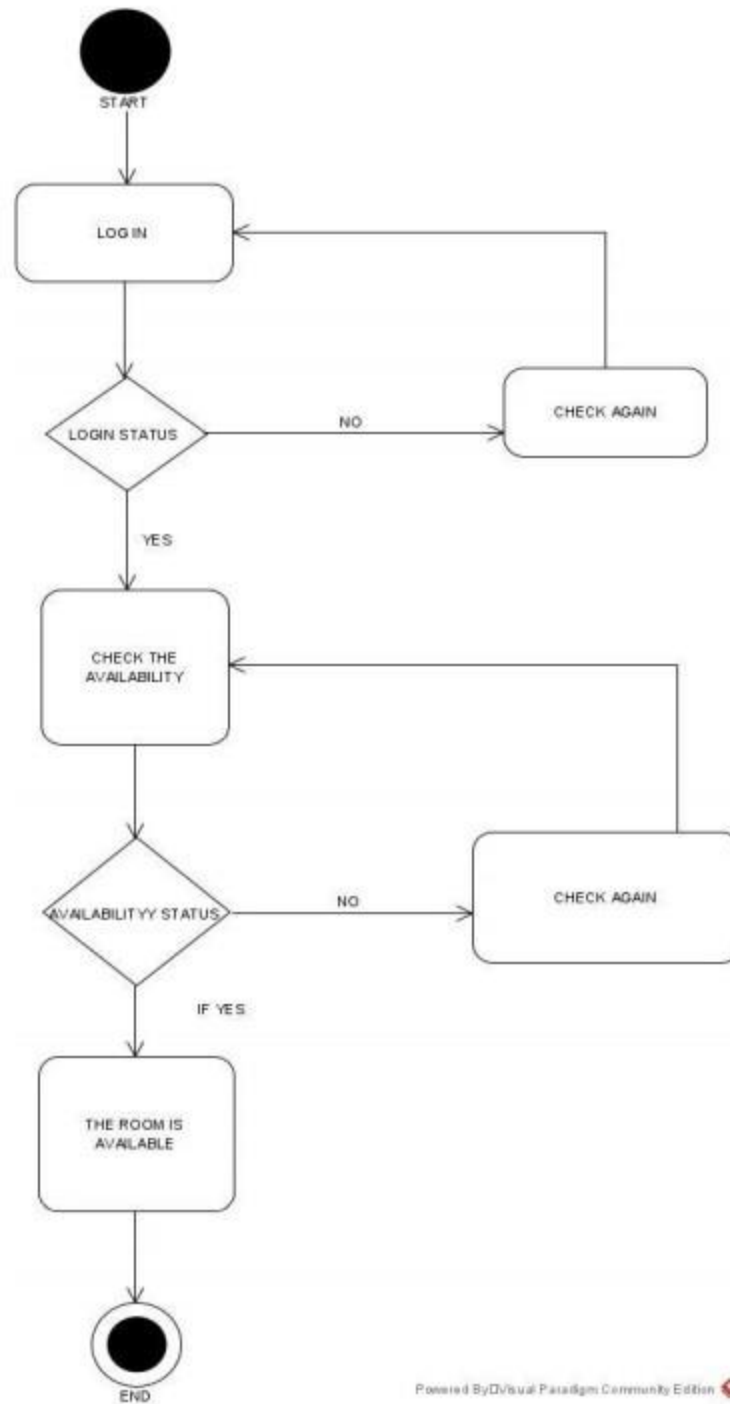


Activity diagram of user registration



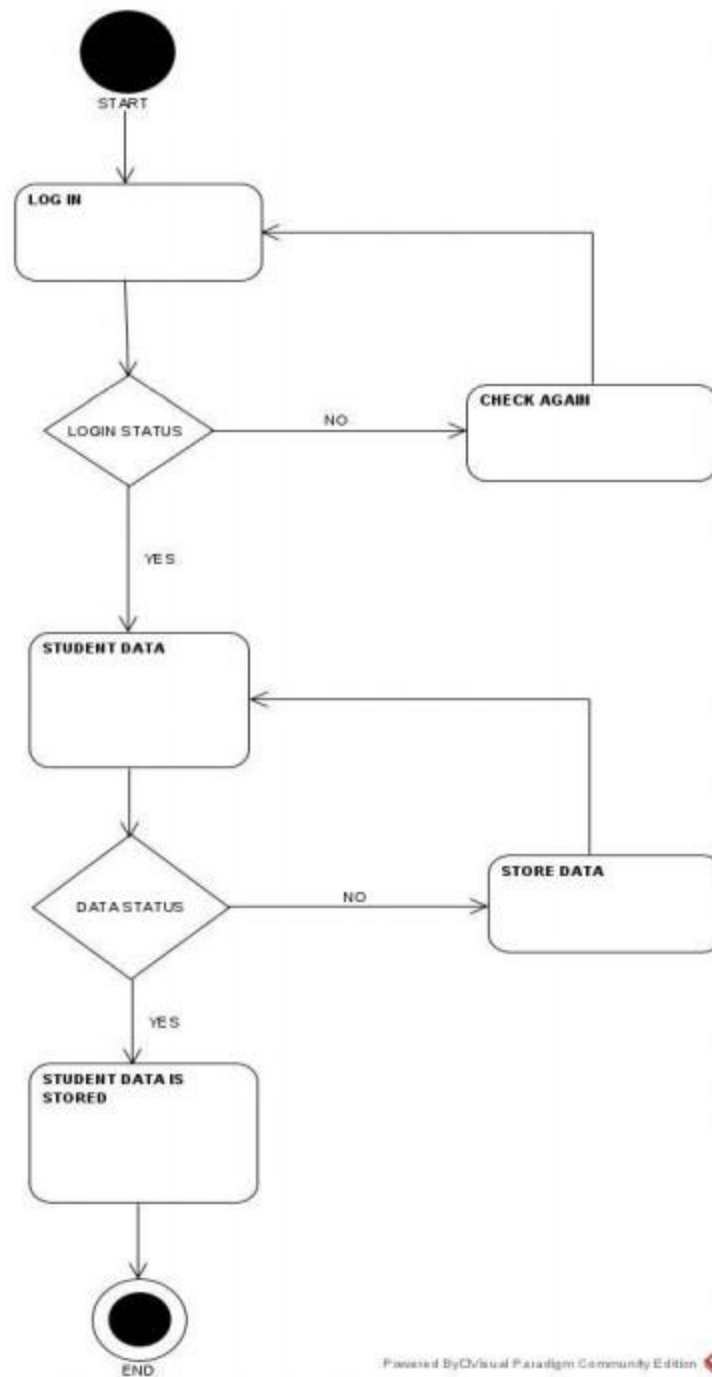
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Activity diagram of user logging in

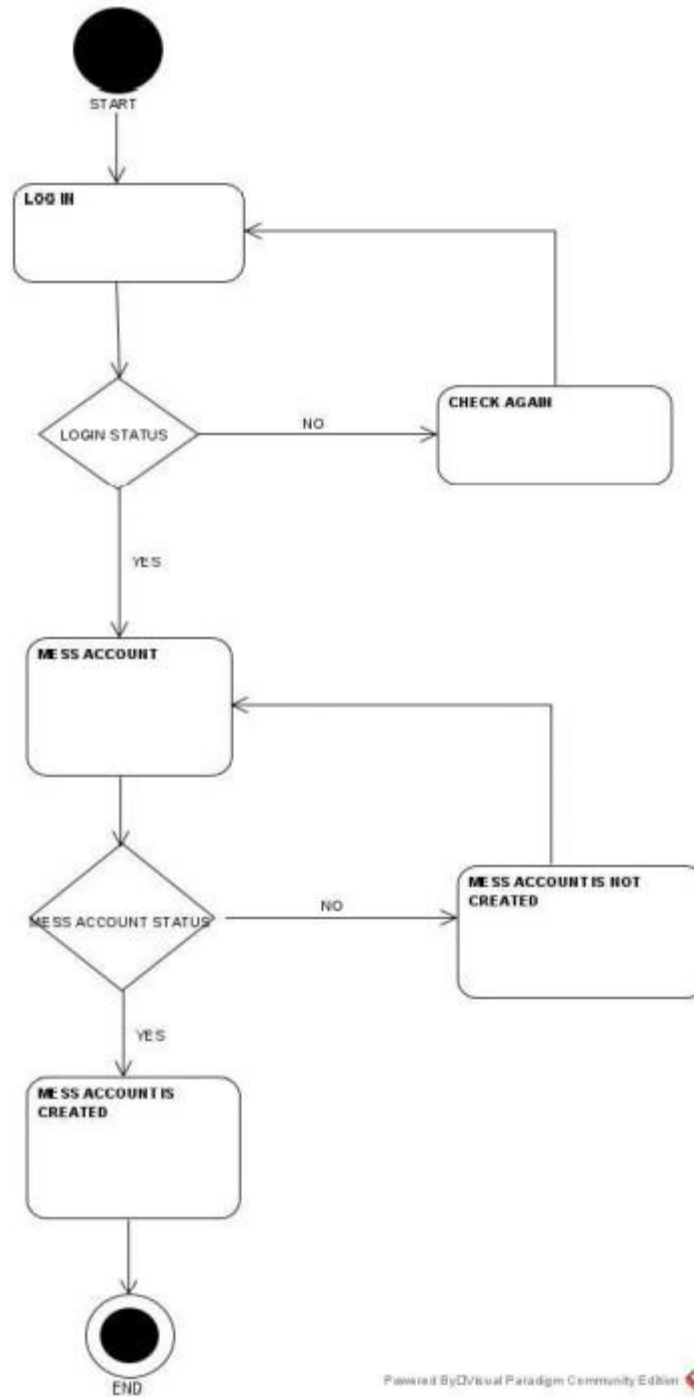


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Activity diagram of rooms available

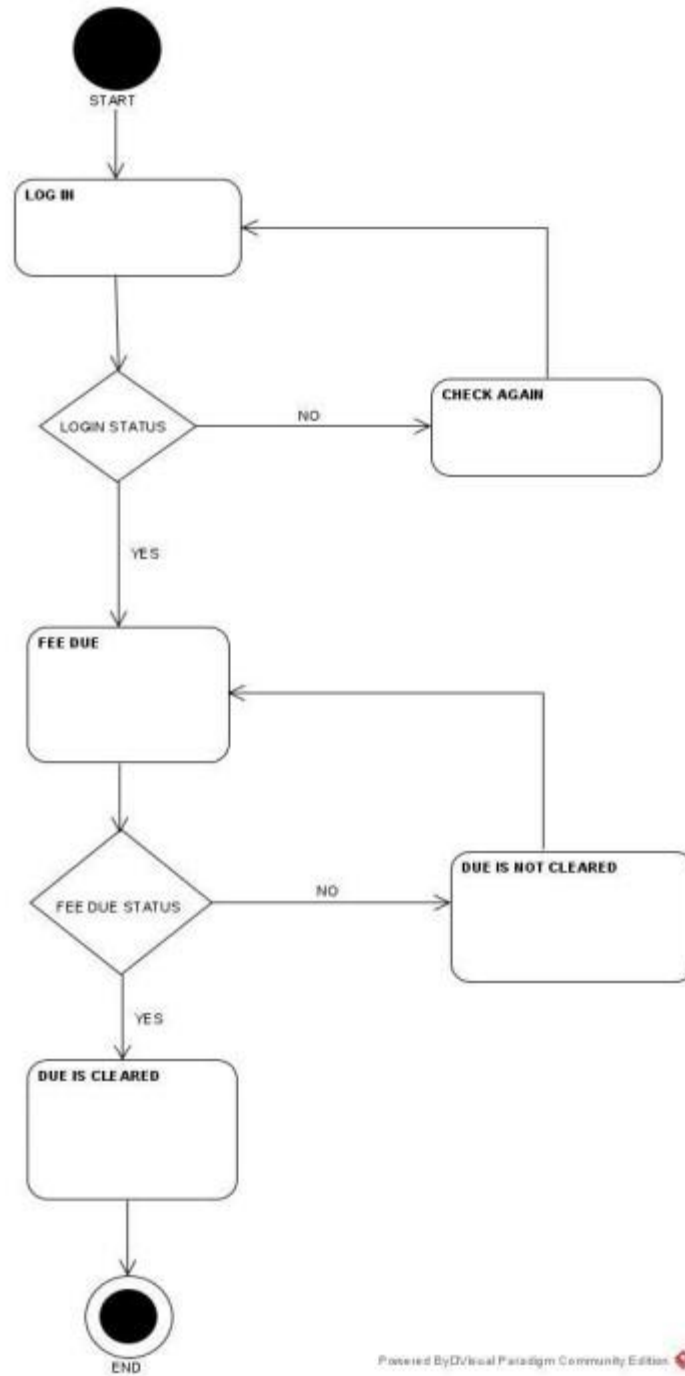


Activity diagram of student details



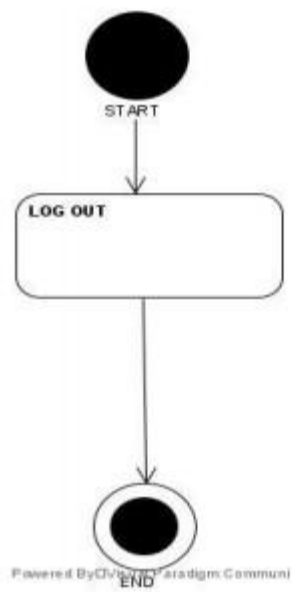
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Activity diagram of mess account



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Activity diagram of fee due



Activity diagram of logging out

MODULE 3: CSE

3.1 REQUIREMENTS

1. STUDENT ID
2. COURSE STRUCTURE
3. SYLLABUS
4. PROFESSOR ALLOTMENT
5. MENTOR ALLOTMENT
6. TIME TABLE
7. EXAMINATION
8. LABORATORY
9. ONLINE QUIZES
10. GROUP PROJECTS
- 11 .CODING/SOFTWARES
12. ATTENDANCE

3.2 DESCRIPTION

1. STUDENT ID

Description: Unique identification number given to the user

2. COURSE STRUCTURE

Description: the courses are organised for all the subjects

3. SYLLABUS

Description: Provides the user with course details and subjects

4. PROFESSOR ALLOTMENT

Description: Allotment of professor is done for different subjects

5. MENTOR ALLOTMENT

Description:

6. TIME TABLE

Description: All classes must be scheduled properly so that no two classes clash with each other.

7. EXAMINATION

Description: Conducts examination to get performance of the students

8. LABORATORY

Description: Keeps the records of practical work

9. ONLINE QUIZES

Description: Conducts quizzes for the better performance of students

10. GROUP PROJECTS

Description: Breaks complex tasks into parts and provides experience for team work

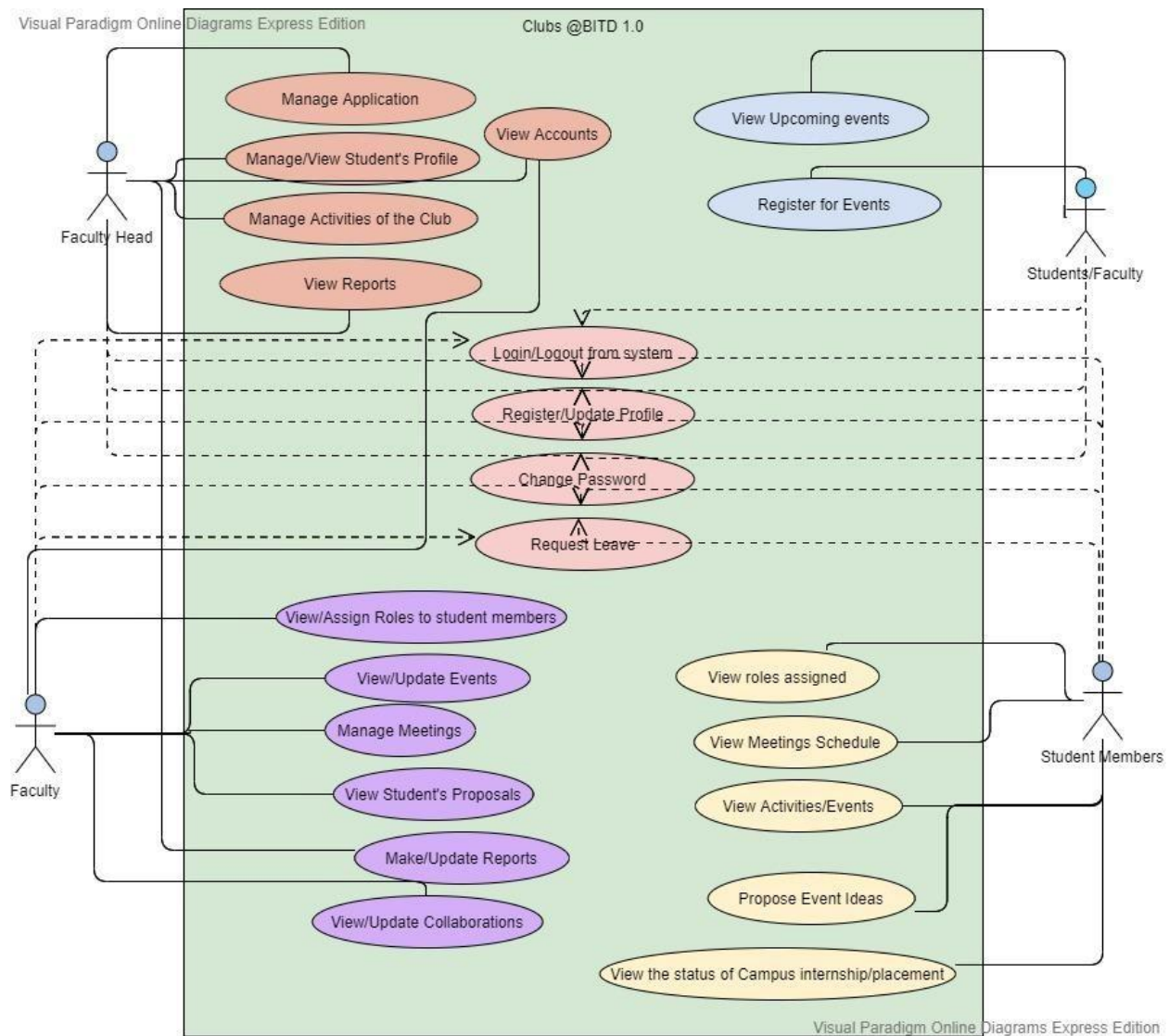
11 .CODING/SOFTWARES

Description: Provides a variety of platform for better performance

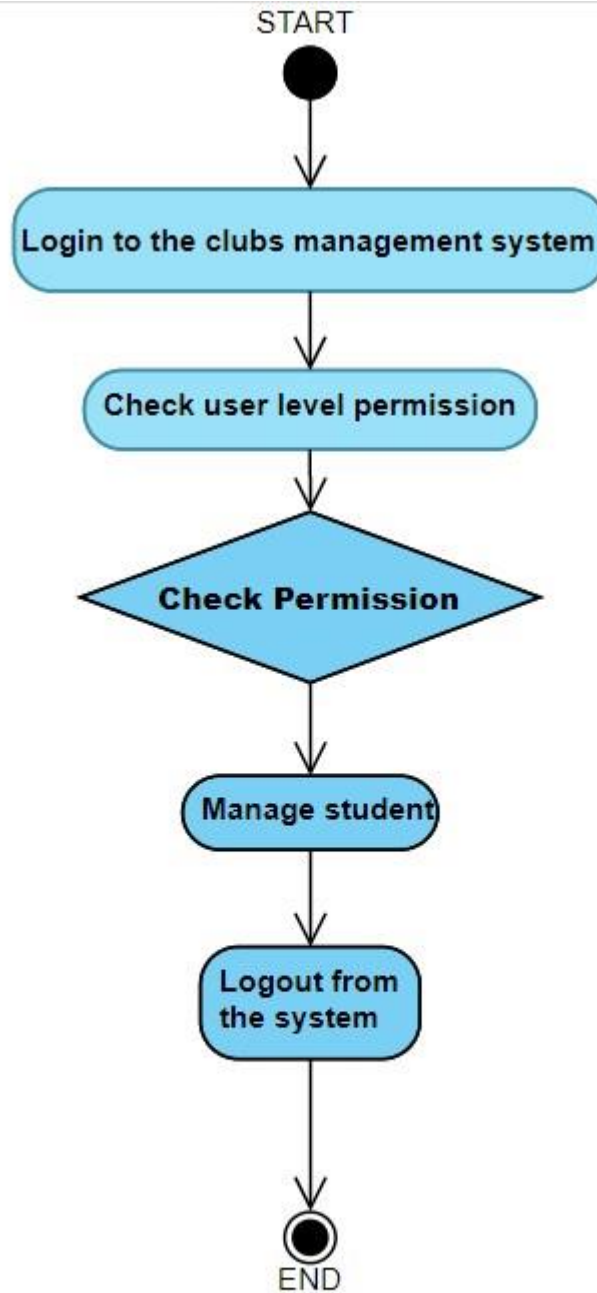
12. ATTENDANCE

Description: Manage data of present and absent students

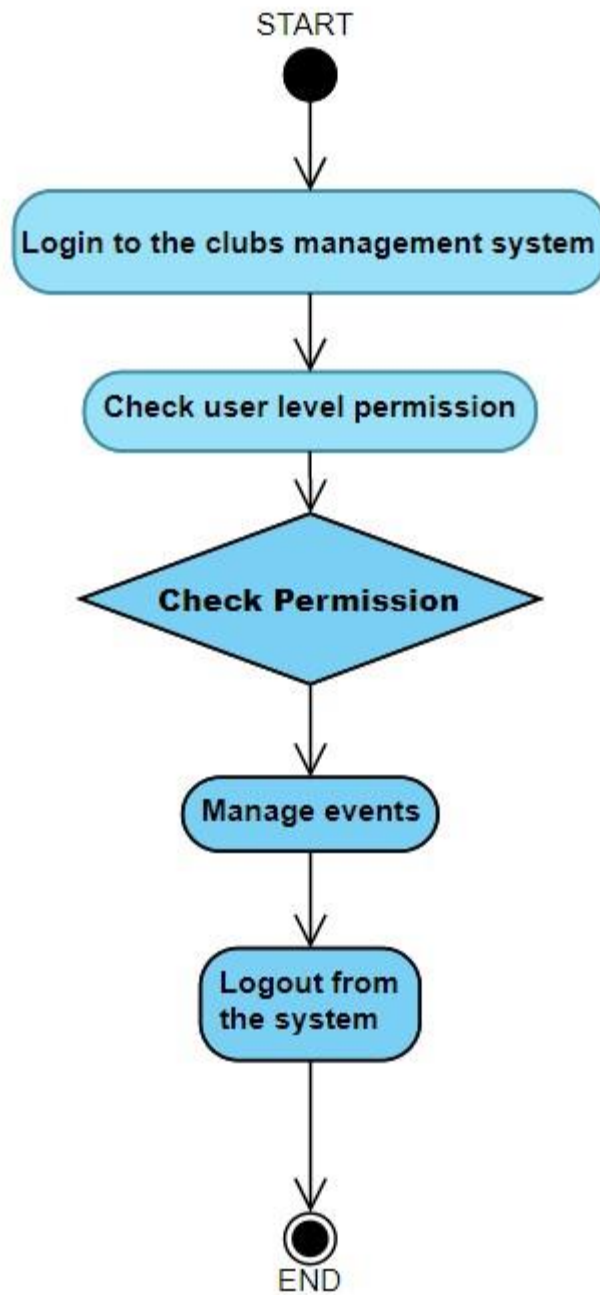
3.3 USE CASE DIAGRAM



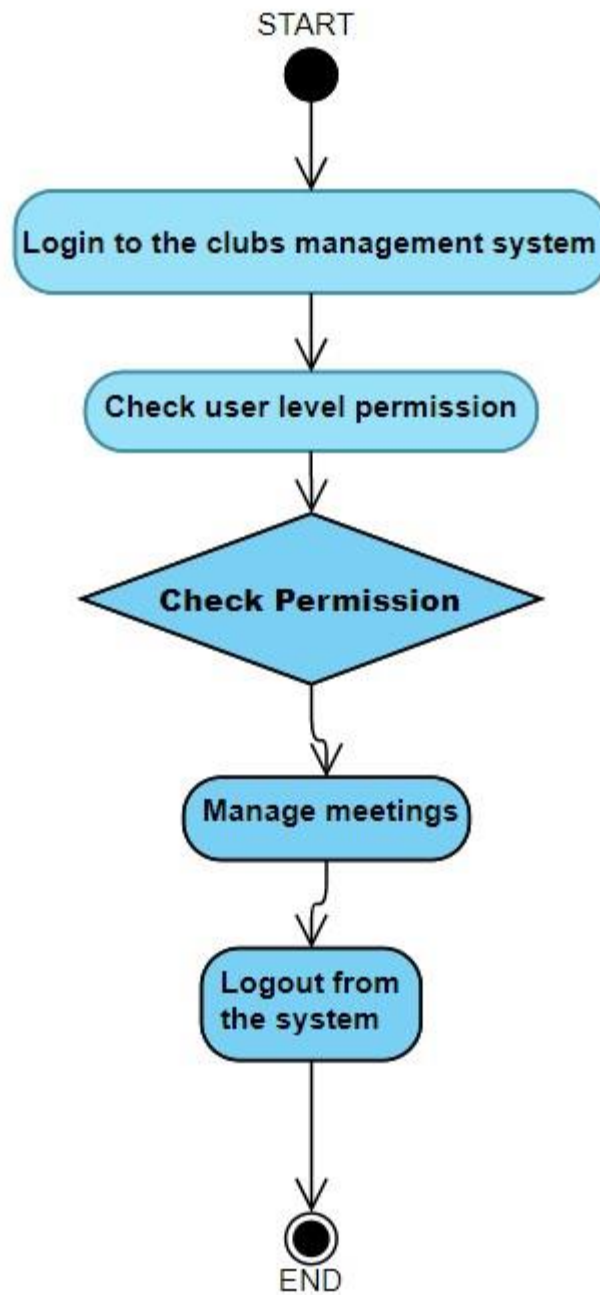
3.4 ACTIVITY DIAGRAM



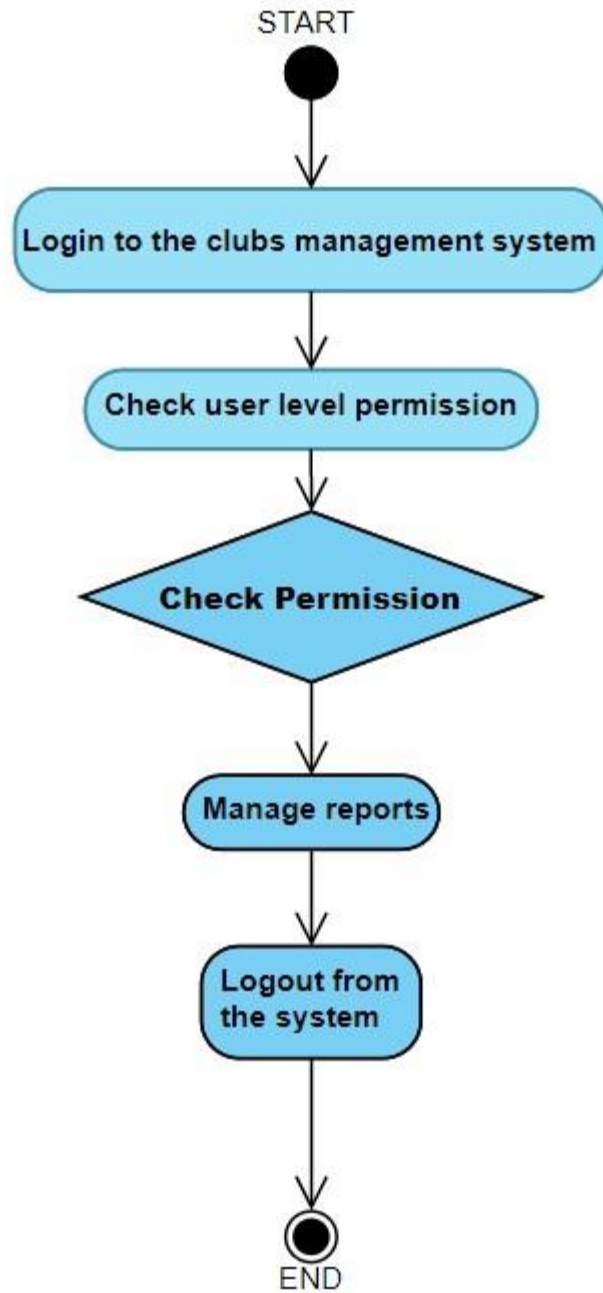
Manage student login



Manage events



Manage meetings



Manage reports
submitted

MODULE 4: ERP

4.1 REQUIREMENTS

1. STUDENT LOGIN
2. STUDENT INFORMATION
- 3 .ONLINE PAYMENT
4. COURSE REGISTRATION
5. MINOR SPECIALIZATION
6. FEEDBACK
7. RESULT DETAIL
8. ATTENDANCE DETAIL
9. EXAMINATION SCHEDULE
10. FEES DETAIL
11. BACKLOG REGISTRATION
12. DASHBOARD

4.2 DESCRIPTION

1. STUDENT LOGIN

Description: User has to enter the erp by username and password

2. STUDENT INFORMATION

Description: it gives the complete detail of the student

3 .ONLINE PAYMENT

Description: can pay the semester and other charges through erp

4. COURSE REGISTRATION

Description: selection of courses for each semester

5. MINOR SPECIALIZATION

Description: Selection of specific subject matter in additional to the course subjects

6. FEEDBACK

Description: Information used to enhance the quality of work

7. RESULT DETAIL

Description: Maintain overall performance of the users

8. ATTENDANCE DETAIL

Description: Allows user to check in and check out by themselves per day

9. EXAMINATION MARKS

Description: displays the marks of particular subject in detail

10. FEES DETAIL

Description: Displays the fee payment details of each semester

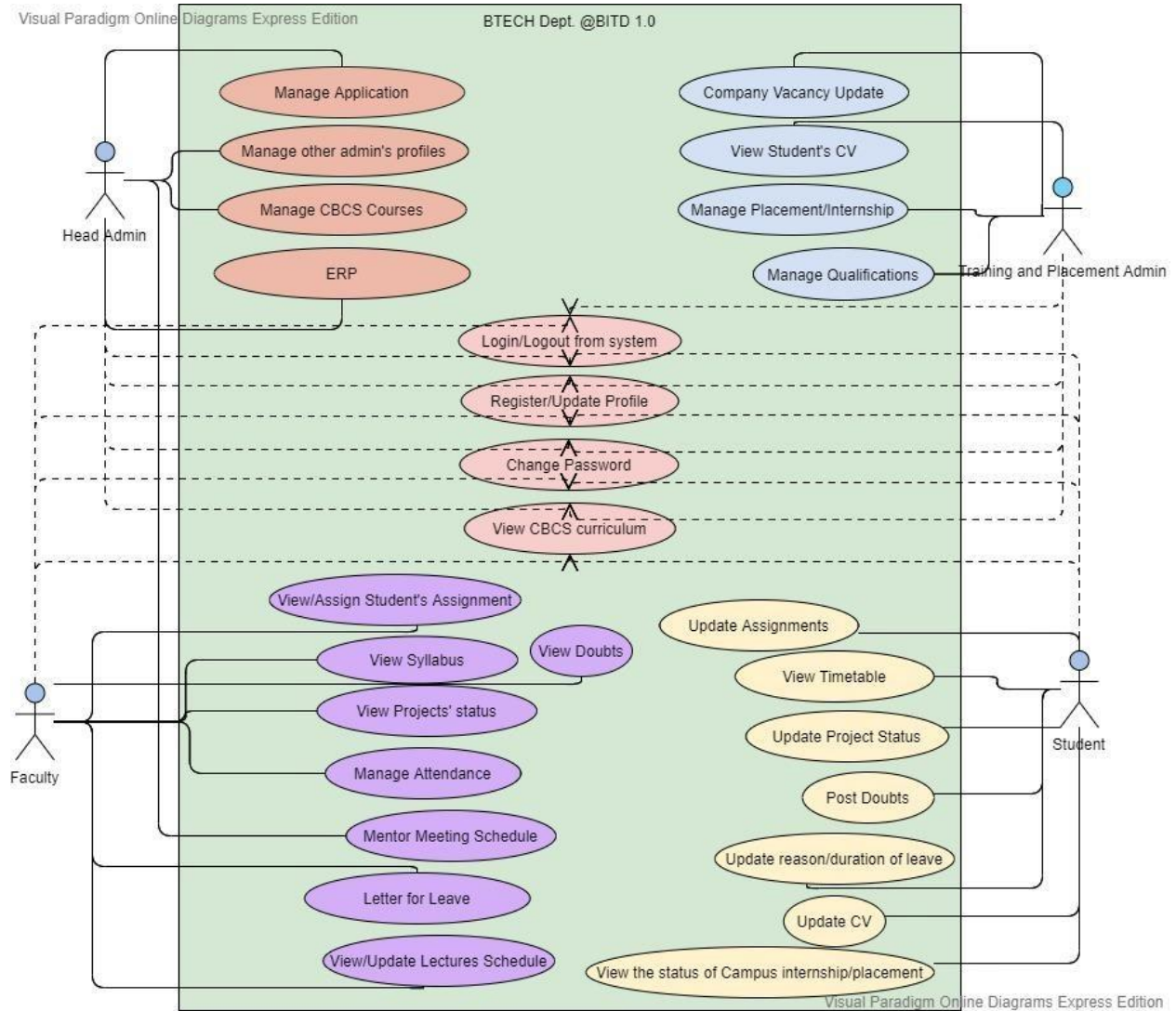
11. BACKLOG REGISTRATION

Description: Registration for the backlog subject in previous semesters

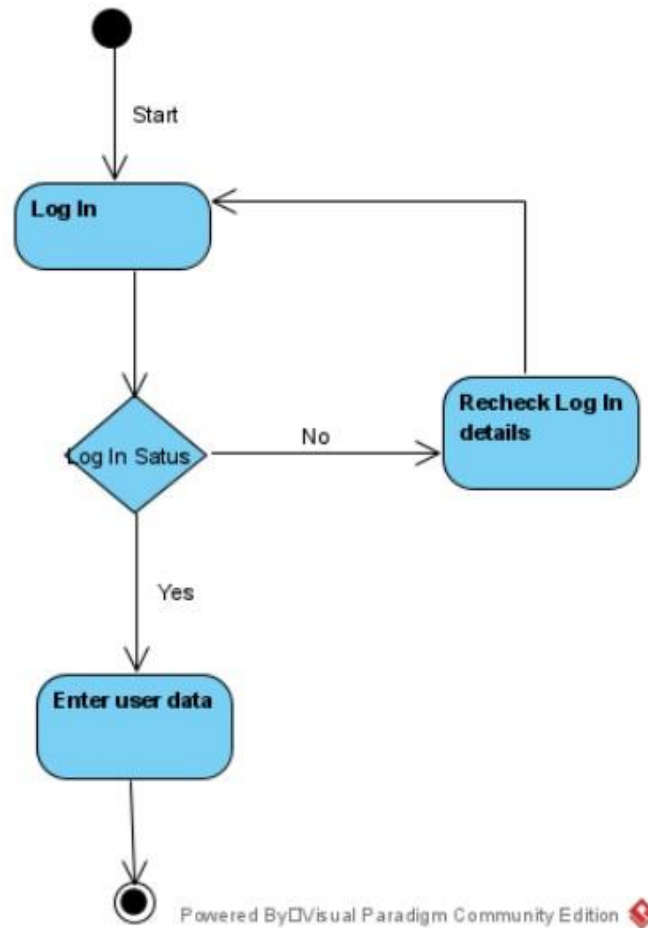
12. DASHBOARD

Description: Gathers and visualize high level performance data and flexibility to see detailed information when needed.

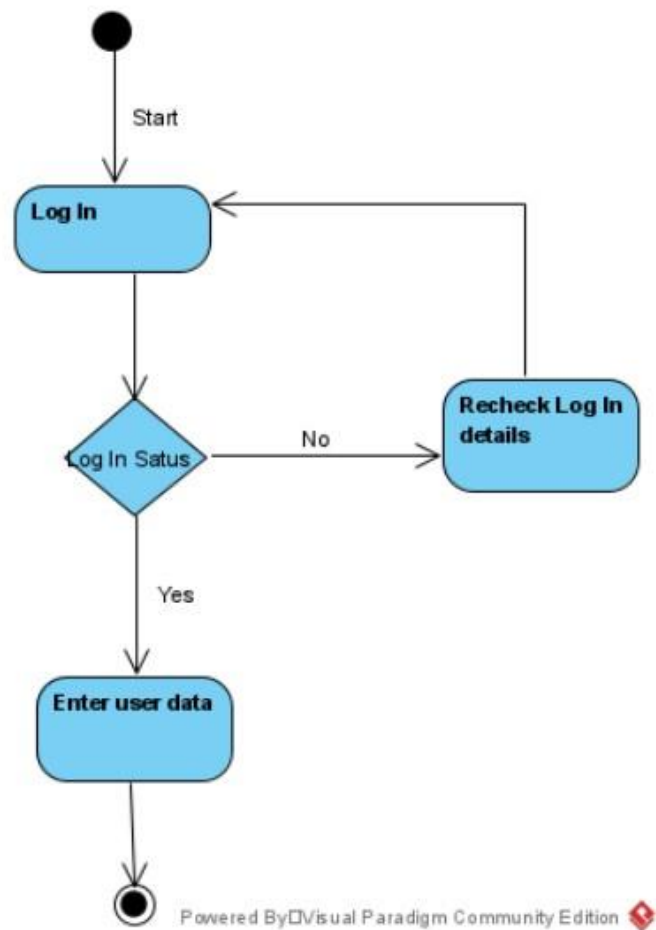
4.3 USE CASE DIAGRAM



4.4 ACTIVITY DIAGRAMS

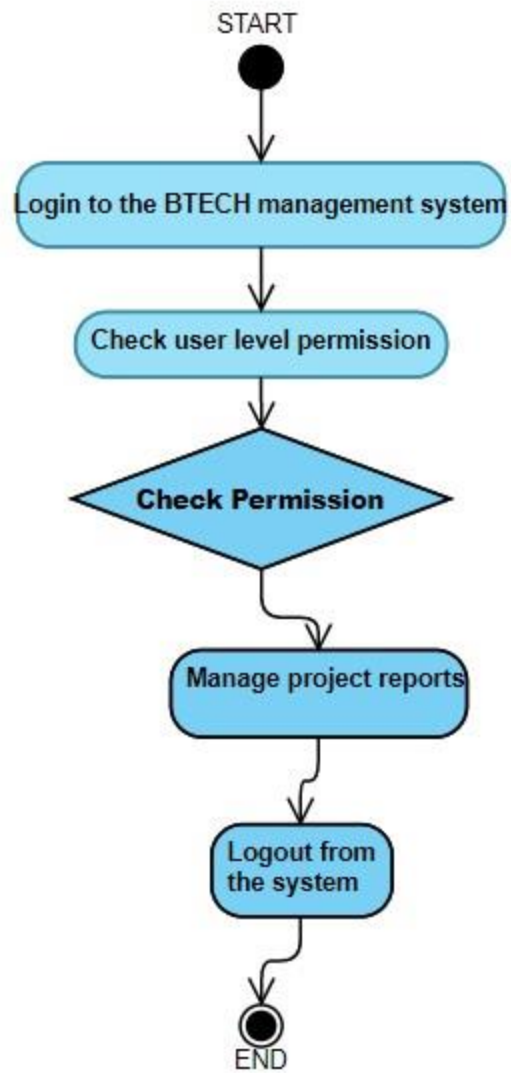


Activity diagram of user's details



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Activity diagram of user's details



Manage project reports submitted