AED ASSIGNMENT- 3

TEAM MEMBERS:

1. Sowri Sampath - 002926129
2. Aishwarya Wagdarkar - 002964461
3. Pavithra Ramkumar - 002929860

Project Objective- Our objective of this project is to provide online service by the professor to any student in the corner of the world through online platform.

Proposed solution – Online platform provides the global service to students from any corner of the world irrespective of admission in any university. Students can get in touch with highly skilled professors without going to any renowned institutes.

Approach- In this system there are 3 major platforms Professor, Student, Online Platform(Offering degree)

Professor – Professor teaches the course and decides the fees for the course as well

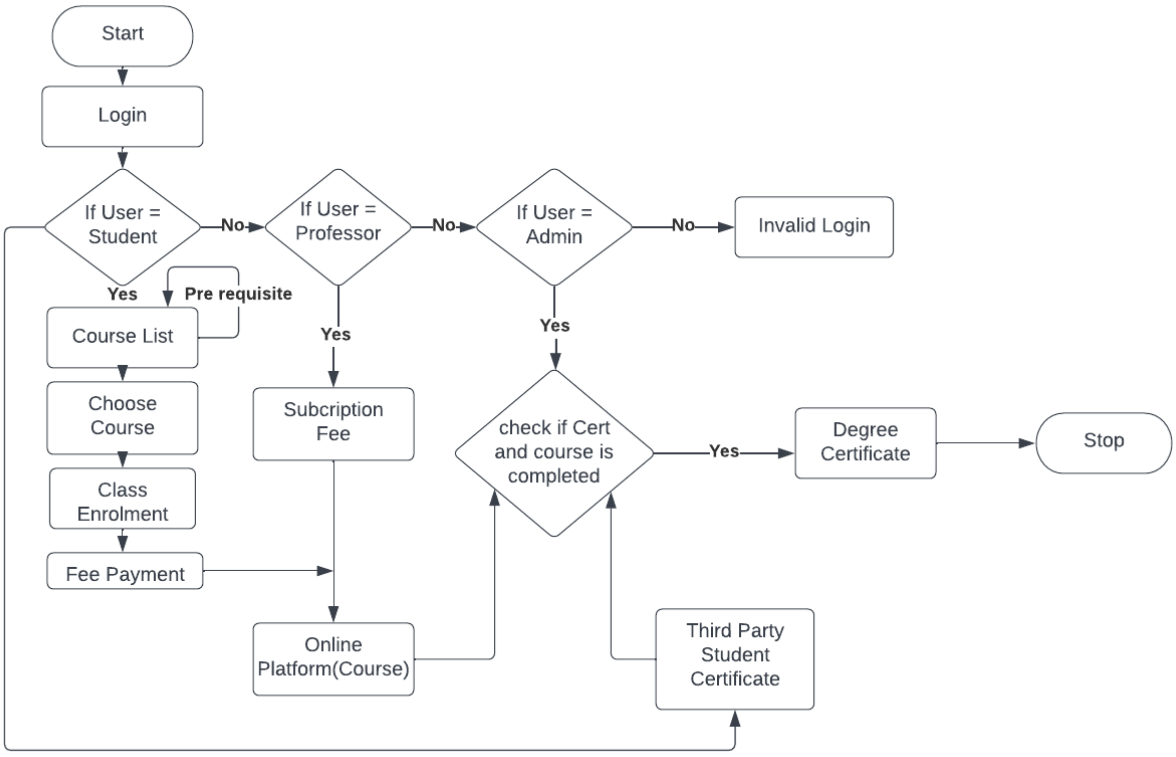
Student – Student takes the course through online platform

Online Platform – It is the platform that offers degree based on the courses and certification taken by student and grades given by professor.

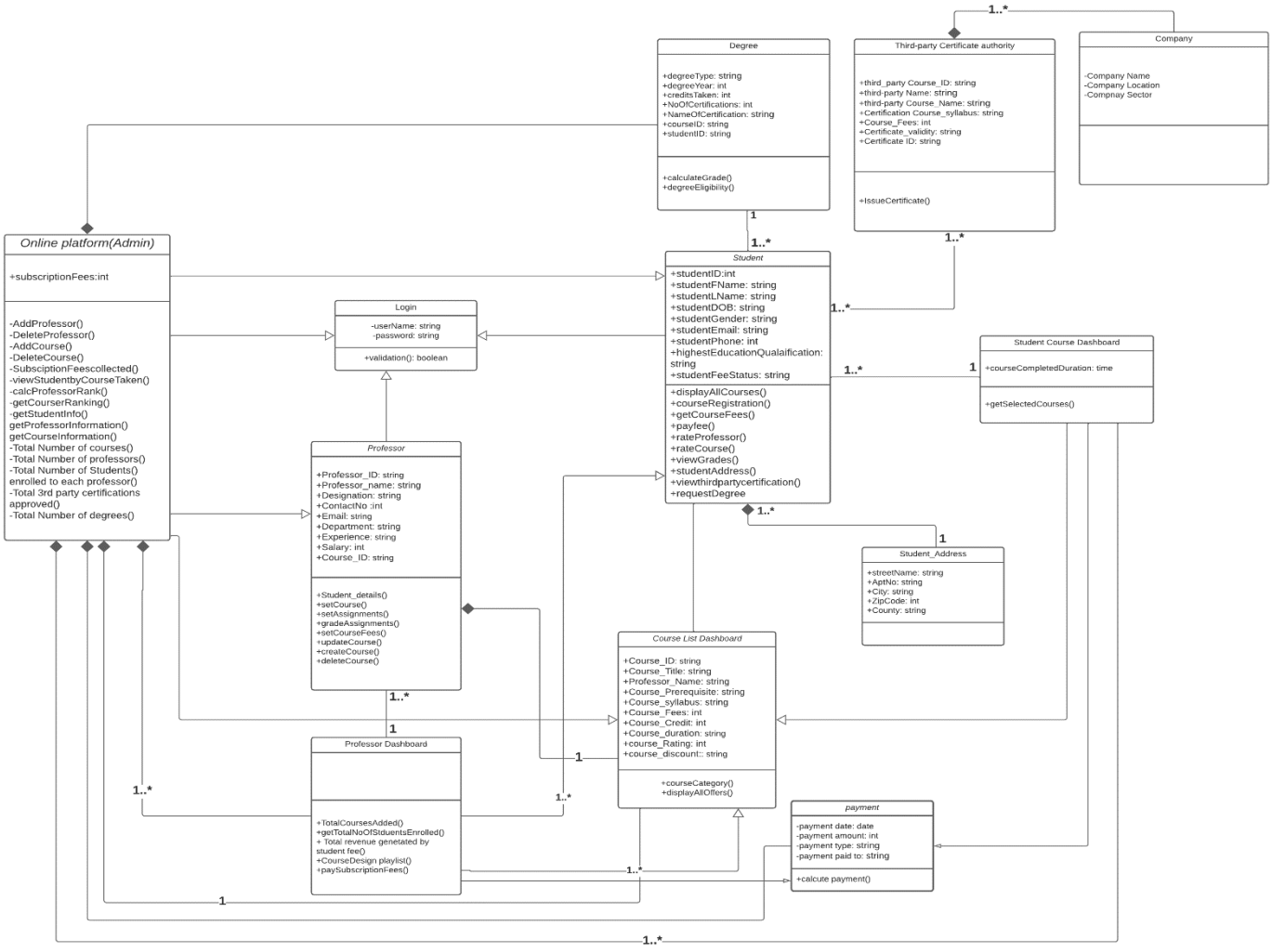
FLOW :

1. Students will login with their credentials into the online Platform where they can see their respective dashboard.
2. Online Platform who has admin rights will login with their credentials as well.
3. Professor will login with their credentials into the online Platform to see professor dashboard where professor can see all the information related to course.
4. Professor and Student are connected to Course List where professor can set the course and student can get course details.
5. Student is connected to course list dashboard where all the information related to course can be seen like course rating, course fees.
6. Course list dashboard connects students offering them to register the courses and get degree.
7. While issuing degree online platform will check if all the requirements are fulfilled by student and any other 3rd party certifications are done by student and offer them degree.

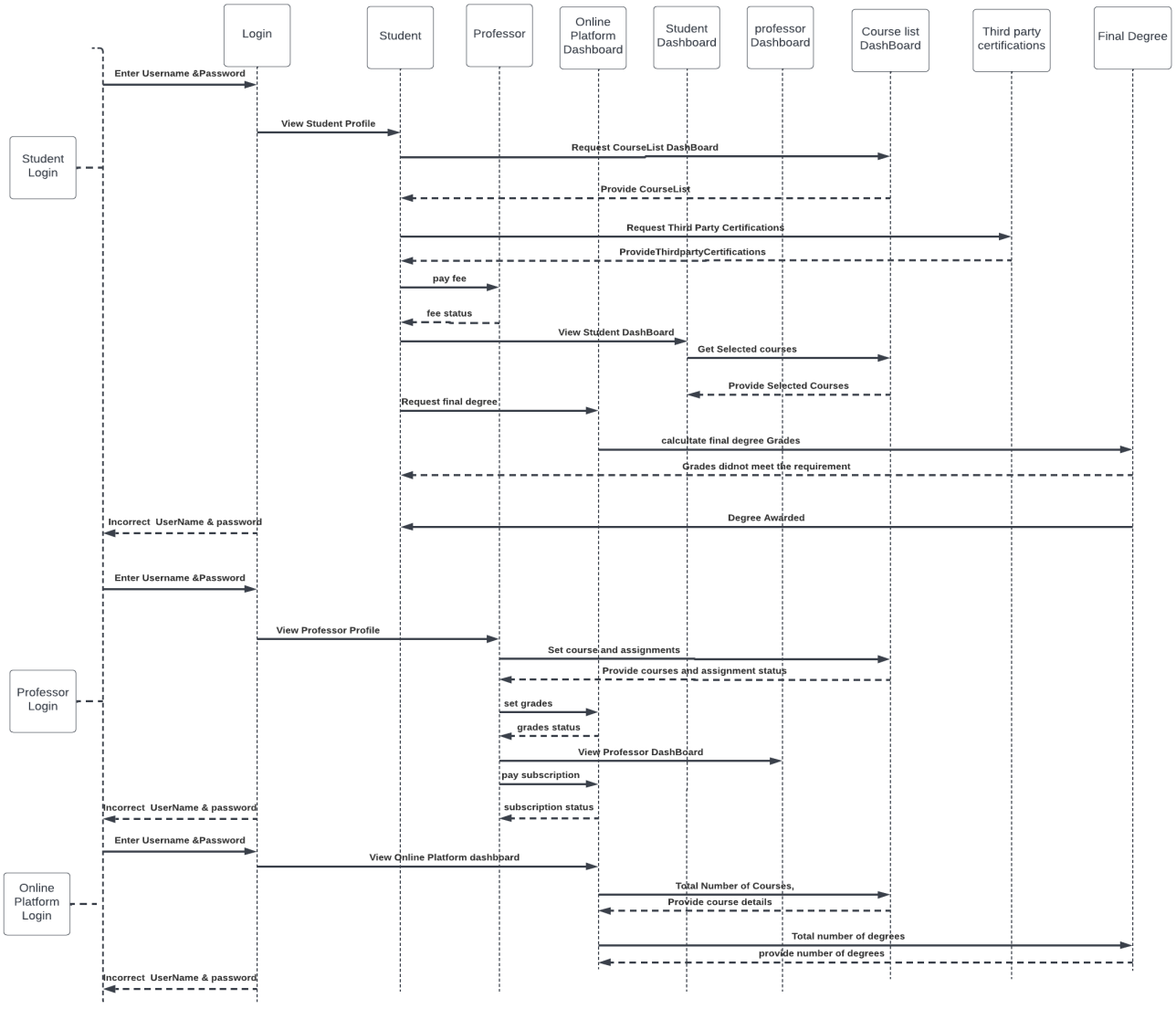
FLOW DIAGRAM



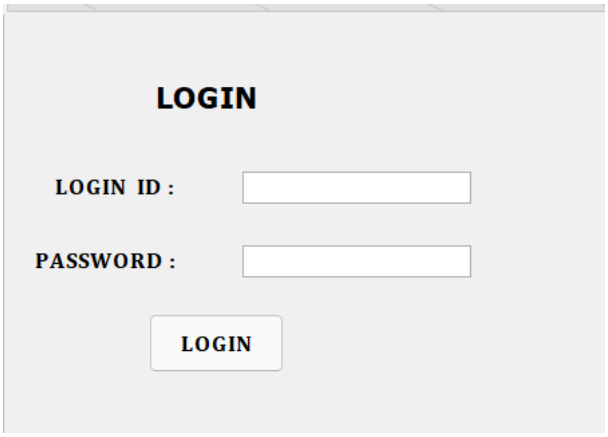
UML Diagram

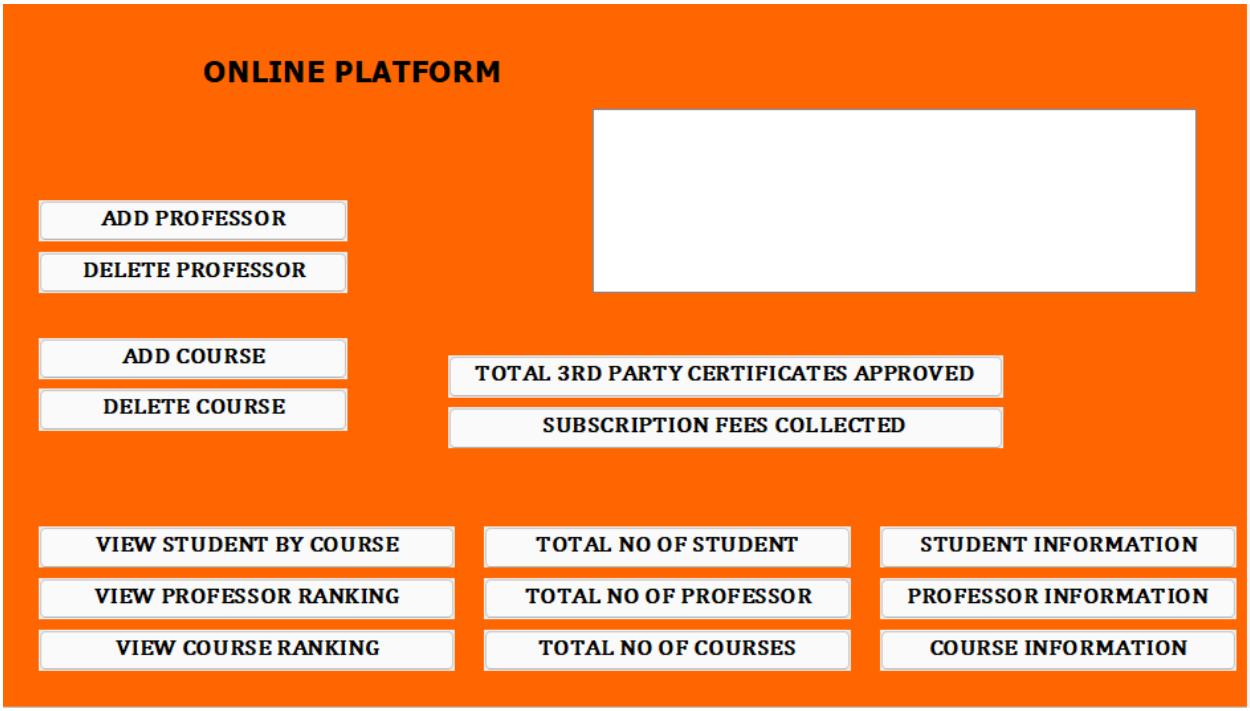

Degree
+degreeType: string
+degreeYear: int
+creditsTaken: int
+NoOfCertifications: int
+NameOfCertification: string
+courseID: string
+studentID: string
+calculateGrade()
+degreeEligibility()
Third-party Certificate authority
+third_party Course_ID: string
+third-party Name: string
+third-party Course_Name: string
+Certification Course_syllabus: string
+Course_Fees: int
+Certificate_validity: string
+Certificate ID: string
+IssueCertificate()
Company
-Company Name
-Company Location
-Compnay Sector
Online platform(Admin)
+subscriptionFees:int
-AddProfessor()
-DeleteProfessor()
-AddCourse()
-DeleteCourse()
-SubsciptionFeescollected()
-viewStudentbyCourseTaken()
-calcProfessorRank()
-getCourserRanking()
-getStudentInfo()
getProfessorInformation()
getCourseInformation()
-Total Number of courses()
-Total Number of professors()
-Total Number of Students()
enrolled to each professor()
-Total 3rd party certifications
approved()
-Total Number of degrees()
Login
-userName: string
-password: string
+validation(): boolean
Student
+studentID:int
+studentFNname: string
+studentLName: string
+studentDOB: string
+studentGender: string
+studentEmail: string
+studentPhone: int
+highestEducationQualaification: string
+studentFeeStatus: string
+displayAllCourses()
+courseRegistration()
+getCourseFees()
+payfee()
+rateProfessor()
+rateCourse()
+viewGrades()
+studentAddress()
+viewthirdpartycertification()
+requestDegree
Student Course Dashboard
+courseCompletedDuration: time
+getSelectedCourses()
Professor
+Professor_ID: string
+Professor_name: string
+Designation: string
+ContactNo :int
+Email: string
+Department: string
+Experience: string
+Salary: int
+Course_ID: string
+Student_details()
+setCourse()
+setAssignments()
+gradeAssignments()
+setCourseFees()
+updateCourse()
+createCourse()
+deleteCourse()
Student_Address
+streetName: string
+AptNo: string
+City: string
+ZipCode: int
+County: string
Course List Dashboard
+Course_ID: string
+Course_Title: string
+Professor_Name: string
+Course_Prerequisite: string
+Course_syllabus: string
+Course_Fees: int
+Course_Credit: int
+Course_duration: string
+course_Rating: int
+course_discount:: string
+courseCategory()
+displayAllOffers()
Professor Dashboard
+TotalCoursesAdded()
+getTotalNoOfStduentsEnrolled()
+ Total revenue genetated by student fee()
+CourseDesign playlist()
+paySubscriptionFees()
payment
-payment date: date
-payment amount: int
-payment type: string
-payment paid to: string
+calcute payment()

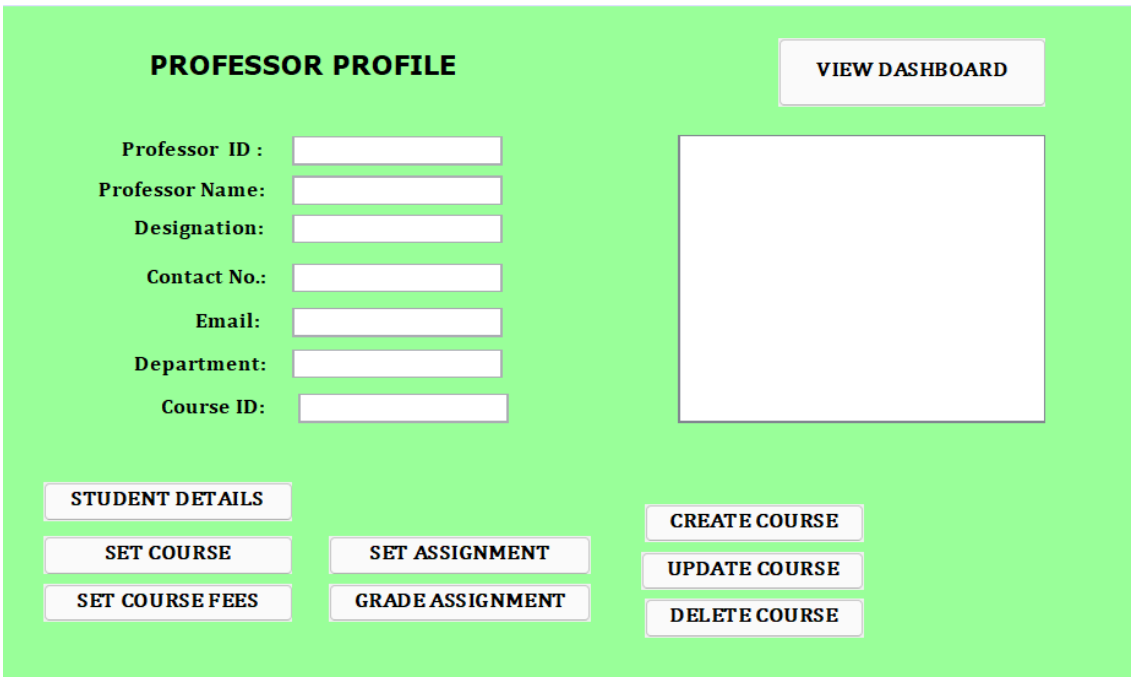
Sequence Diagram

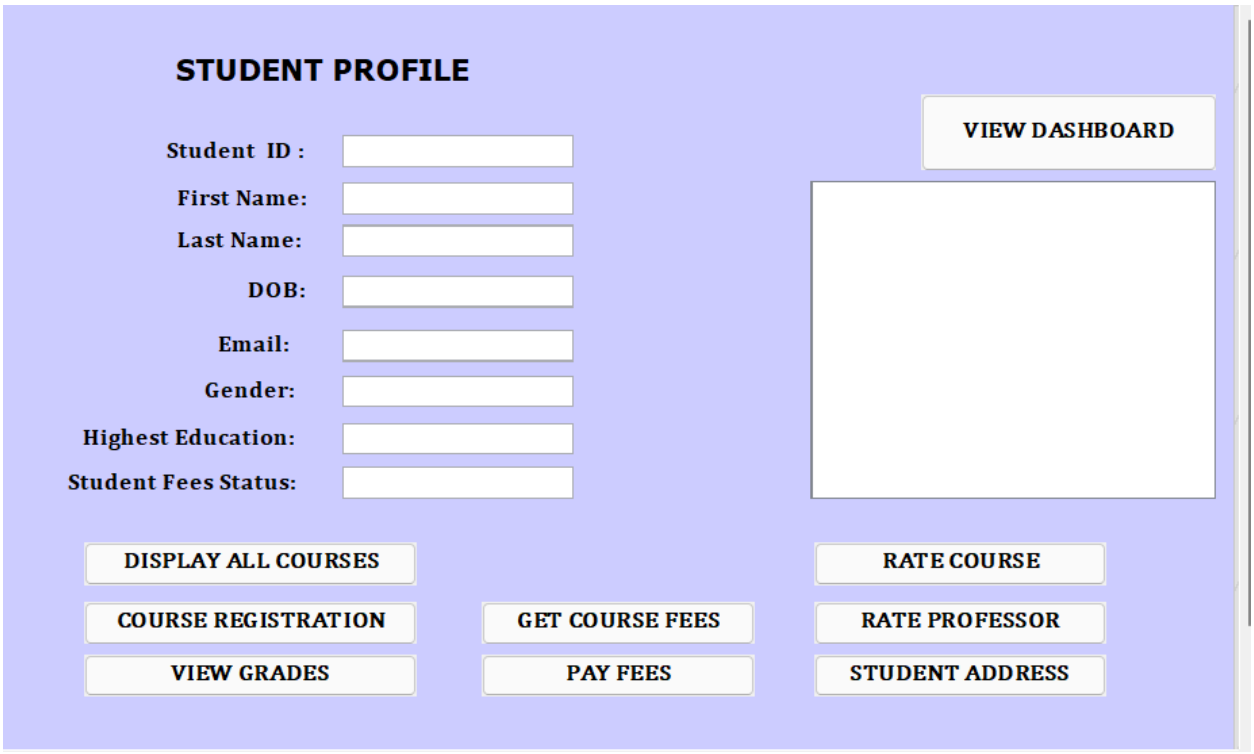


User interface






PROFESSOR PROFILE
VIEW DASHBOARD
Professor ID :
Professor Name:
Designation:
Contact No.:
Email:
Department:
Course ID:
STUDENT DETAILS
SET COURSE
SET COURSE FEES
SET ASSIGNMENT
GRADE ASSIGNMENT
CREATE COURSE
UPDATE COURSE
DELETE COURSE


STUDENT PROFILE
VIEW DASHBOARD
Student ID :
First Name:
Last Name:
DOB:
Email:
Gender:
Highest Education:
Student Fees Status:
DISPLAY ALL COURSES
COURSE REGISTRATION
VIEW GRADES
GET COURSE FEES
PAY FEES
RATE COURSE
RATE PROFESSOR
STUDENT ADDRESS

COURSE LIST

VIEW DASHBOARD

Course ID :

Course Title:

Professor Name:

Course Prerequisite:

Course Syllabus:

Course Fees:

Course Credit:

Course Duration:

Course Discount:

Course Rating:

COURSE CATEGORY

DISPLAY OFFERS

DEGREE

Degree Type:

Degree Year:

Credits Taken:

No. of Certification:

Name of Certification:

Course ID:

Student ID:

CALCULATE GRADE

DEGREE ELIGIBILITY

ENTITIES:

1. Login

Attributes:

-userName: string

-password: string

Methods:

+validation(): Boolean

2.Online platform(Admin)

Attributes:

+SubscriptionFees

Methods:

-AddProfessor()

-DeleteProfessor()

-AddCourse()

-DeleteCourse()

-SubsciptionFeescollected()

-viewStudentbyCourseTaken()

-calcProfessorRank()

-getCourserRanking()

-getStudentInfo()

-getProfessorInformation()

-getCourseInformation()

-Total Number of courses()

-Total Number of professors()

-Total Number of Students()

-enrolled to each professor()

-Total 3rd party certifications approved()

-total Number degrees

3. Student

Attributes:

+studentID:int

+studentFName: varchar

+studentLName: varchar

+studentDOB: string

+studentGender: varchar

+studentEmail: string

+studentPhone: int

+highestEducationQualaification: varchar

+studentFeeStatus: varchar

Attributes:

+displayAllCourses()

+courseRegistration()

+getCourseFees()

+payfee()

+rateProfessor()

+rateCourse()

+viewGrades()

+studentAddress()

+viewthirdpartycertification()

+requestDegree

4. Professor

Attributes:

+Professor_ID: string

+Professor_name: varchar

+Designation: varchar

+ContactNo :int

+Email: string

+Department: varchar

+Experience: string

+Salary: int

+Course_ID: string

Methods:

+Student_details()

+setCourse()

+setAssignments()

+gradeAssignments()

+setCourseFees()

+updateCourse()

+createCourse()

+deleteCourse()

5. Professor Dashboard

Methods:

+TotalCoursesAdded()

+getTotalNoOfStduentsEnrolled()

+ Total revenue genetated by student fee()

+CourseDesign playlist()

+paySubscriptionFees()

6. Course List Dashboard

Attributes:

+Course_ID: string

+Course_Title: varchar

+Professor_Name: varchar

+Course_Prerequisite: varchar

+Course_syllabus: varchar

+Course_Fees: int

+Course_Credit: int

+Course_duration: string

+course_Rating: int

+course_discount:: string

Methods:

+courseCategory()

+displayAllOffers()

7. payment

Attributes:

-payment date: string

-payment amount: int

-payment type: varchar

-payment paid to: varchar

Methods:

+calcute payment()

8. Degree

Attributes:

+degreeType: varchar

+degreeYear: int

+creditsTaken: int

+NoOfCertifications: int

+NameOfCertification: varchar

+courseID: string

+studentID: string

Methods:

+calculateGrade()

+degreeEligibility()

9. Third-party Certificate authority

Attributes:

+third_party Course_ID: string

+third-party Name: varchar

+third-party Course_Name: varchar

+Certification Course_syllabus: string

+Course_Fees: int

+Certificate_validity: string

+Certificate ID: string

Methods:

+IssueCertificate()

10. Company

Attributes:

-Company Name

-Company Location

-Compnay Sector

11. Student Course Dashboard

Attributes:

+courseCompletedDuration

Methods:

+getSelectedCourses()