



# American International University- Bangladesh

## CSC 3222: Web Technologies

CO1.1 and CO2.1 Evaluation

Project Report

Fall 19-20

Project Title: **University Management System**

Section: **A**

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# **UNIVERSITY MANAGEMENT SYSTEM**

## **Introduction:**

The “University Management System” is an improved Student Service, increase information sharing and providing Teacher facilities. It can handle all details about a student. The details include Online course Offering, Seat allocation, student take their course by own. Student management system is managed by a Department. It is the job of the Department to insert update and monitor the whole process.

Here comes the management system of the web page and managing the pages. The system will serve the management to reduce cycle times, faster keep track of data, and improve the service, increase information sharing and providing facilities to store information centrally. I was fortunate and blessed to get this lucky break to work with this appreciable project. My earnest thanks, gratitude and salutations to those respectable people from the deep down inside my heart to make the part of this appreciable project and give me such nice opportunity. The system will do the following activities:

- Course Assignment
- Result View by Admin
- Class Routine
- Enroll Courses by Admin
- Show Departmental wise course
- Get Report
- Download PDF copy

## **Background Study**

The project aims to develop a system is for any type of document but nothing particular. This system is revolutionary to document processing. The uniqueness is being web based and for general-purpose. Being web based makes this system available everywhere through internet. Being general-purpose means system can be used for all type of documents and for most organizations. This system is develop by MVC (Model, View, Controller) Which followed the Code first Approach .To develop a database system which can easily store, retrieve and update data. The system is to eliminate their manual counting of student taking a particular subject to a computerized system which can query. The system is to shorten the time of retrieving data when required.

- [www.w3schools.com](http://www.w3schools.com) -- From here we have learnt HTML, CSS and PHP basic and advance syntaxes and its use.
- [www.youtube.com](http://www.youtube.com) – From YouTube we have learnt how to combinedly use these languages and how to validate the input fields.



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- [www.stackoverflow.com](http://www.stackoverflow.com) – From here we have solved many bugs and problems that I have faced during developing my project

### **Requirement Analysis:**

Requirement analysis is a software engineering task that creates a bridge between system Engineering and system design. It may also involve a more vigorous feedback mechanism to the requestors, pointing out where a particular system might achieve economies if it could use more common requirements. And requirements analysis has the product line scope as one of its inputs—an artifact that does not exist outside the product line context. Requirements analysis includes a commonality and variability analysis (a technique used frequently in domain analysis) on the elicited product line requirements to identify the opportunities for large-grained reuse within the product line. Two such techniques are feature-oriented domain.

#### 1. User Category: Admin

There are 3 types of Users here. They are:

- Type 1 - ADMIN
- Type 2 - TEACHER
- Type 3 - STUDENT

#### 2. Feature List:

Admin User Functionality:

1. Can add teacher/ student.
2. Can verify teacher/Student profiles
3. Can manipulate teachers/students information (edit-delete-view etc.) etc
4. Can block teacher/Student
5. Can CRUD Courses
6. Can CRUD Sections Under Courses
7. Can CRUD Departments
8. Can Assign Teachers to a sections
9. Can CRUD Notice to Teacher
10. Can read students & teachers mail to admin
11. Can create salary for teacher
12. Can create payment for student

Teacher Functionality:

1. Can CRUD notice



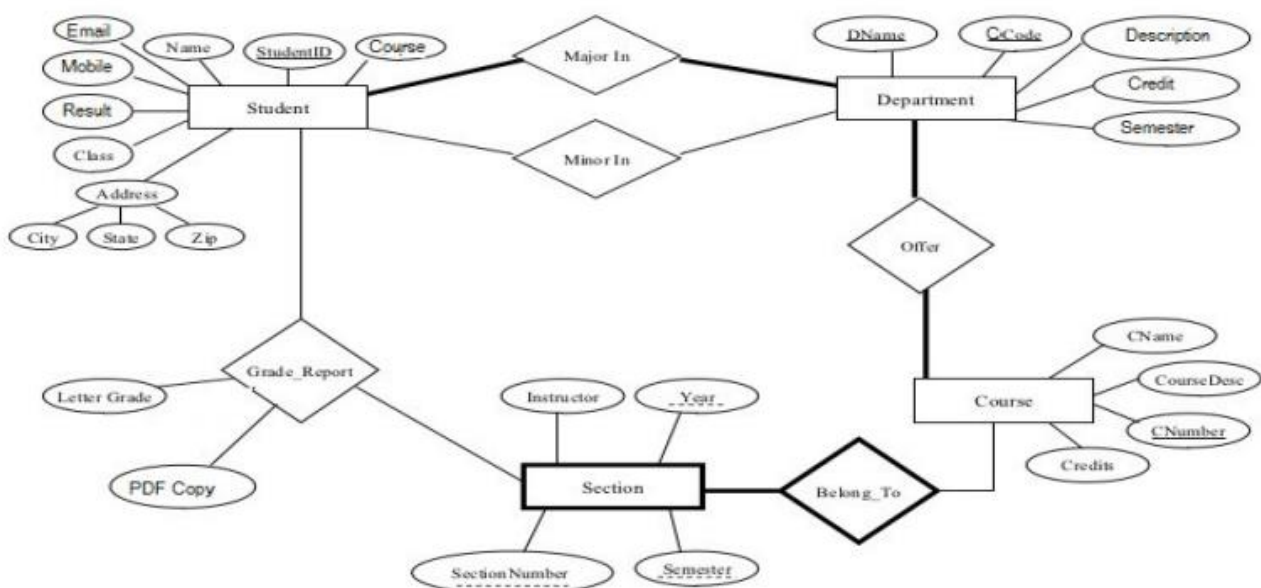
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2. Can CRUD necessary file
3. Can contact system admin
4. Can CRUD grade of a student
5. Can See anonymous feedback of student
6. Can See Salary Report
7. Can See Assigned Sections
8. Can see students profile
9. Can accept/reject drop application
10. Can create leave application to administrator
11. Can change password
12. Can upload tsf

### Student Functionality:

1. Can make payment
2. Can create drop application
3. Can view notice
4. Can change password
5. Can view result
6. Can see class schedule
7. Can send mail to teachers
8. Can view profile
9. Can see book list
10. Can view teachers tsf
11. Can view courses.
12. Can download applications.

### ER-Diagram



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This is System create for the Admin. He can stores the University Database details about university students, Teacher, Courses, Class Schedule, the semester, Result, A student took a particular course (and his mark and grade if he completed it), and what degree program each student Or Teacher is enrolled in. The database is a long way from one that'd be suitable for a large tertiary institution; I explain the requirements next and discuss their shortcomings at the end of this section. Consider the following requirements: The University offers one or more programs. A program is made up of one or more courses. A student must enroll in a program. A student takes the courses that are part of her program. A program has a name, a program identifier, the total credit points required to graduate, and the year it commenced. Each course in a program is sequenced into a year (for example, year 1) and a semester (for example, semester 1).

### Tools Used:

To develop this project, we have used the following:

- Tool 1- SUBLIME TEXT EDITOR
- Tool 2- NOTEPAD++
- Tool 3- XAMP SERVER
- Tool 4- CHROME BROWSER

### System Images against the Specification:

**REGISTRATION**

Name

Email

Id

Password

Confirm Password

User Type

☐ Admin ☐ Teacher ☐ Student ☐ Parent

Gender

☐ male ☐ female ☐ others

phone

Sign Up

[Sign In](#)



## Write Your Project Title Here

<b>Account</b>	
<ul style="list-style-type: none"><li>• <a href="#">Manage Teacher</a></li><li>• <a href="#">Manage Courses</a></li><li>• <a href="#">Manage Departments</a></li><li>• <a href="#">Manage Students</a></li><li>• <a href="#">Manage Salary</a></li><li>• <a href="#">Manage Student Payments</a></li><li>• <a href="#">logout</a></li></ul>	
Copyright from @glaxoserfr4.com	

Course Id	<input type="text"/>
Course Name	<input type="text"/>
Course Teacher Name	<input type="text"/>
Room No	<input type="text"/>
<input type="button" value="Assigned Teacher"/>	<input type="button" value="Reset"/>



## Write Your Project Title Here

User Id	Student's Name	Pending Payments	Payments	Total Payments
17-9399-2	Mahbub Ahmed	60,000/=	90,000	150,000
17-34984-3	Kamal Tapadar	20,000/=	80,000	10,0000
17-47338-1	Shikha Akter	0	1,20,000	1,20,000
Create	Update	Delete		

### Impact of this Project:

Web applications are becoming so widespread is because it offers a user friendly interface for online access from everywhere of the human race. In addition, it helps to amplify users sustainrate. This project named as “University Management System”. This project covers the Course enrollment of students in a particular semester with the with the facility of choosing his desired time schedule. The system has some pre-defined check-points, failure to maintain check points. A management system is the framework of policies, processes and procedures used to ensure that an organization can fulfill all tasks required to achieve its objectives. For instance, an environmental management system enables organizations to improve their environmental performance through a process of continuous improvement. A more complete system would include accountability (an assignment of personal responsibility) and a schedule for activities to be completed, as well as auditing tools to implement corrective actions in addition to scheduled activities, creating an upward spiral of continuous improvement.

#### Advantage

- Online Course Offering.
- Student takes here Course
- Course Assign
- View Result
- Student Registration
- Course Registration
- Save Teacher Information
- View Course Status
- Download PDF copy



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### Limitations and Possible Future Improvements

I also want to modify my application for the Future Work .I hope this work will help me in my future work.

The aim of this project is to manage each and every section. Such as every Student, Teacher and Staff.

There will be a system for downloading Admission form For New Applicant.

It will show every updated notice given by the university authorities.

#### CO1.1 and CO2.1 Evaluation: Project Report Evaluation

Project Proposal (5)	Background Study (5)	Requirement Analysis (5)	Entity Diagram (5)	System Images against the Specification (5)	Total (25)

