



# Work Related Learning

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# Agenda

- Introduction of Company
- Position & Role in the company
- Learning Outcomes
- Challenges encountered
- What I enjoyed
- Future Career plan

# Introduction of the company



Describing it in short.....

# Position & Role in the company

- Work as Dot Net Developer in Software development department
- Develop desktop & Web application project using Windows Forms, ASP.NET, C# & MSSQL
- Work under Supervisor
- Learn Professional & Soft skills



# Learning Outcomes

Learning Outcome ID	Learning outcomes	Activities and tasks	Evidence
	By the end of my work placement, I will be able to develop what skills or knowledge: (e. g. develop my XXX skills, enhance my knowledge of XXX)	I will achieve this learning outcome by carrying out what tasks (e. g. participating in a Web development project, or to work in a team, or to engage in group discussion)	Evidence I could use to demonstrate that I have achieved this learning outcome? (e. g. feedback from the employer, artefacts I will develop, screen shots or video capture, meeting minutes)
LO1	By the end of internship, I will be able to enhance my skills in C Sharp (C#) language.	It will be accomplished by using numerous courses, videos, and solving issues linked to the concepts to gain a better grasp of it.	Screenshot of developed projects using C# language & Certificate of completion.
LO2	By the end of internship, I will be able to develop knowledge of ASP.NET Framework & Windows Forms.	It will be achieved by building some projects using these frameworks and with proper guidance of supervisor throughout the project development period.	Development of various desktop & web projects like college, library, inventory management system & building portfolio.
LO3	By the end of internship, I will be able to enhance my skill in MSSQL and learn Server Management Studio (SSMS 18) Tool.	It will be achieved by integrating the projects developed with database SQL Server and understanding some advanced terms in it.	Screenshot of integration of database in projects & research work.
LO4	By the end of internship, I will be able to develop my communication &	It will be achieved after being involved in <u>team work</u> and carrying out various	Video or image capture of <u>team work</u> , communication with

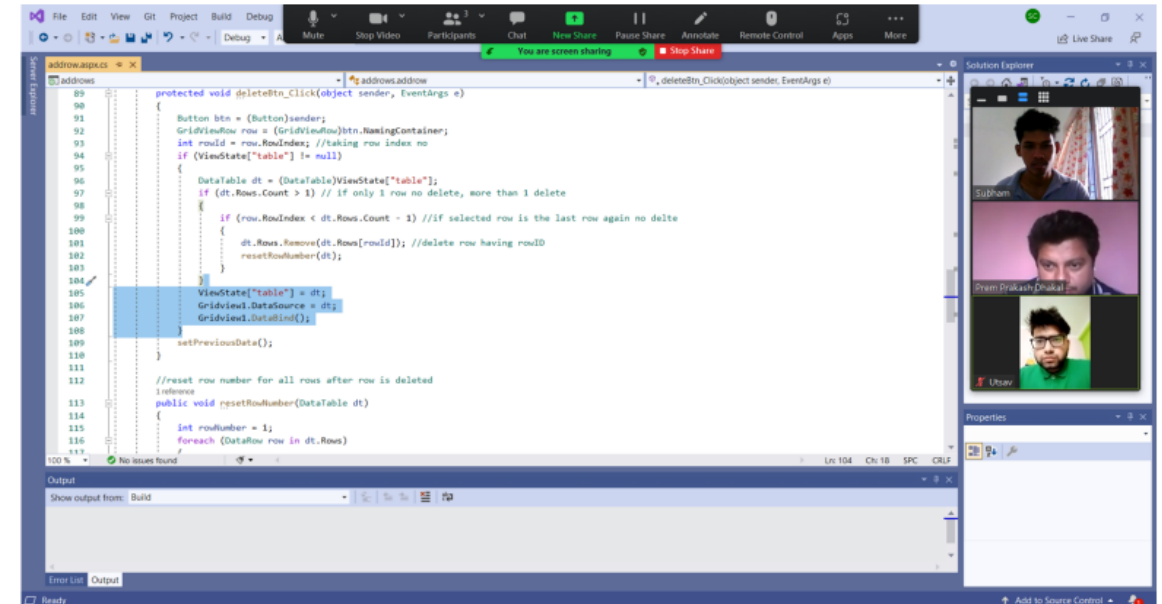
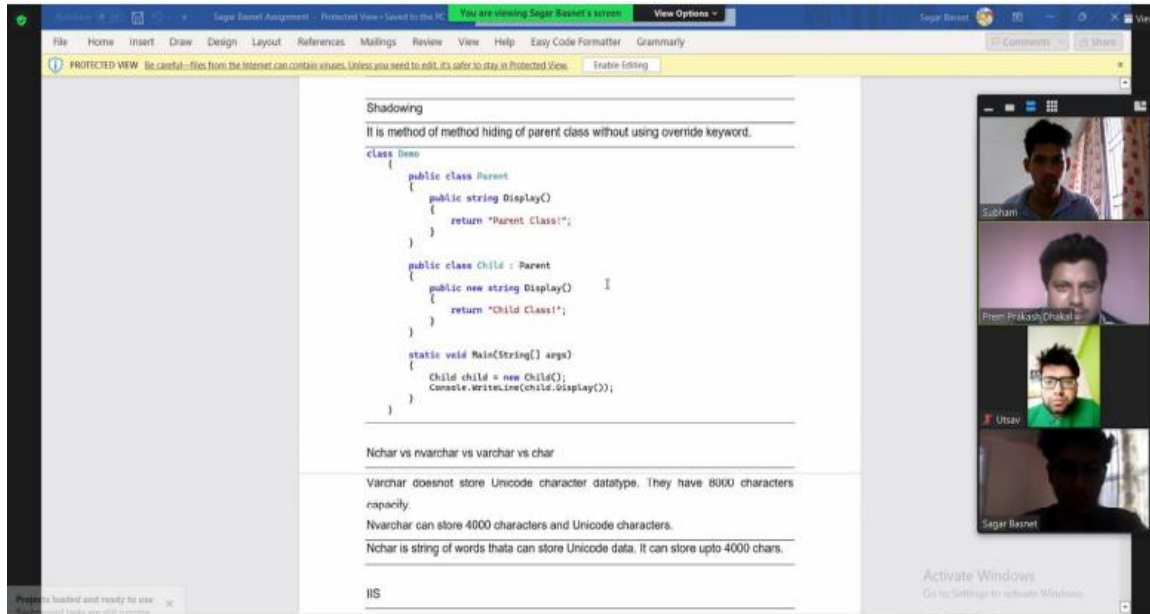
	Interpersonal skills.	tasks & meetings with other acquaintances, supervisors & Seniors.	seniors, supervisor and other interns, QA Session & meeting.
LO5	By the end of internship, I will be able to enhance my research skills.	It will be achieved by performing research on assigned topics, tasks and exploring various sites & videos.	Feedback from employee, research work on various topics.
LO6	By the end of internship, I will be able to develop my Time management and <u>Problem solving</u> skills.	It will be achieved by analysing and finding solutions to some difficult problems, submitting the task assigned on time.	Feedback from employee, Screenshot of problems and solutions of problem, Task submission screenshot.
LO7	By the end of internship, I will be able to develop learn work ethics & Adaptability.	It will be achieved by performing defined roles with discipline, dedication & efforts for work.	Attendance record & feedback from supervisor.



# Learn & Enhance my C# Skill

Surfing through online resource, day in day out practice, help from supervisor & development of console application helped me to achieve the outcome.

## Evidences



# Learn & Enhance my C# Skill

## Online Resources

### Link of best sites to learn or enhance my C# skill

<https://www.tutorialsteacher.com/csharp>

<https://www.completecsharptutorial.com/basic/>

<https://dotnettutorials.net/course/csharp-dot-net-tutorials/>

### Link of YouTube channels to grow knowledge in C#

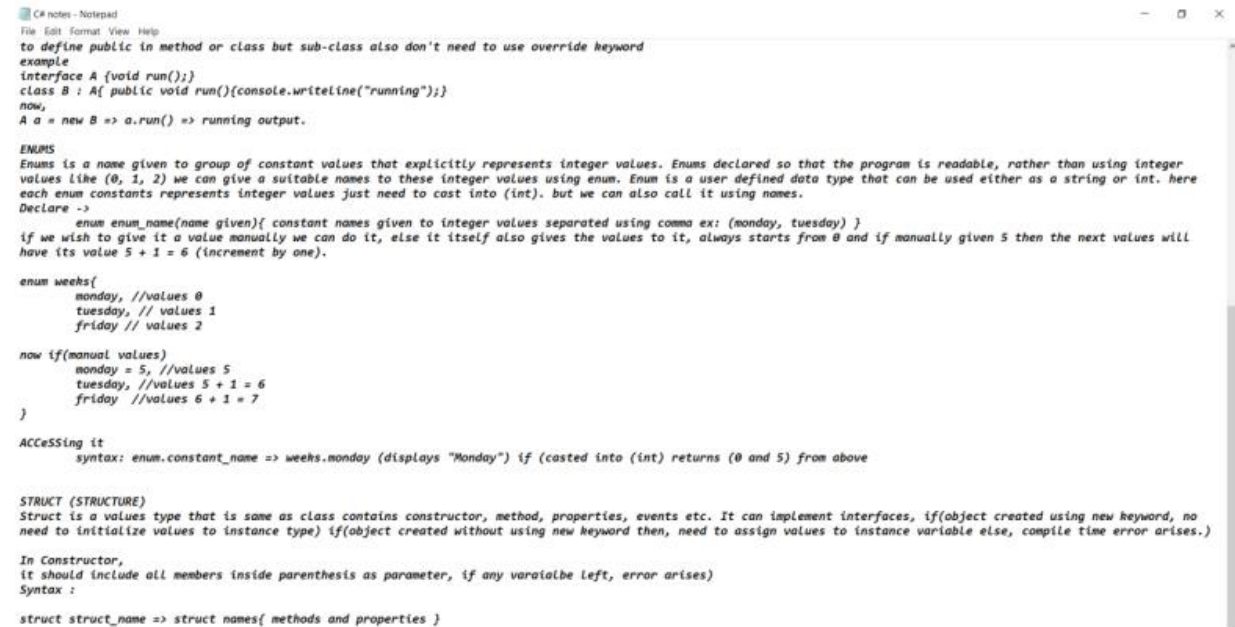
<https://www.youtube.com/watch?v=QxJaNo1DUo&list=PLX07I0qxoHFLZftsVKyj3k9kfMca2uaPR>

<https://www.youtube.com/watch?v=ArzqSZgZ-U4&list=PLWZm9ufk1fmqPUW-1Z2J-T1Z2uAs8RVqp>

### Articles on C#

<https://www.c-sharpcorner.com/>

## Research Notes



```
File Edit Format View Help
to define public in method or class but sub-class also don't need to use override keyword
example
interface A {void run();}
class B : A{ public void run(){console.WriteLine("running");}
now,
A a = new B => a.run() => running output.

ENUMS
Enums is a name given to group of constant values that explicitly represents integer values. Enums declared so that the program is readable, rather than using integer values like (0, 1, 2) we can give a suitable names to these integer values using enum. Enum is a user defined data type that can be used either as a string or int. here each enum constants represents integer values just need to cast into (int). but we can also call it using names.
Declare ->
enum enum_name(name given){ constant names given to integer values separated using comma ex: (monday, tuesday) }
if we wish to give it a value manually we can do it, else it itself also gives the values to it, always starts from 0 and if manually given 5 then the next values will have its value 5 + 1 = 6 (increment by one).

enum weeks{
    monday, //values 0
    tuesday, // values 1
    friday // values 2
}

now if(manual values)
monday = 5, //values 5
tuesday, //values 5 + 1 = 6
friday //values 6 + 1 = 7
}

ACceSSing it
syntax: enum.constant_name => weeks.monday (displays "Monday") if (casted into (int) returns {0 and 5} from above

STRUCT (STRUCTURE)
Struct is a values type that is same as class contains constructor, method, properties, events etc. It can implement interfaces, if(object created using new keyword, no need to initialize values to instance type) if(object created without using new keyword then, need to assign values to instance variable else, compile time error arises.)

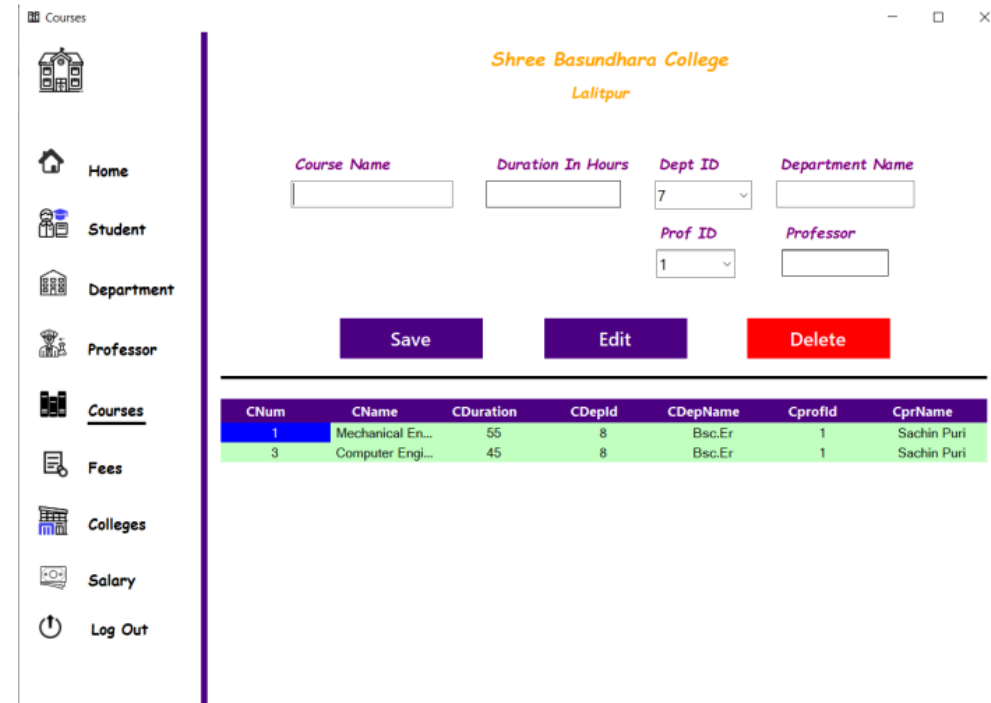
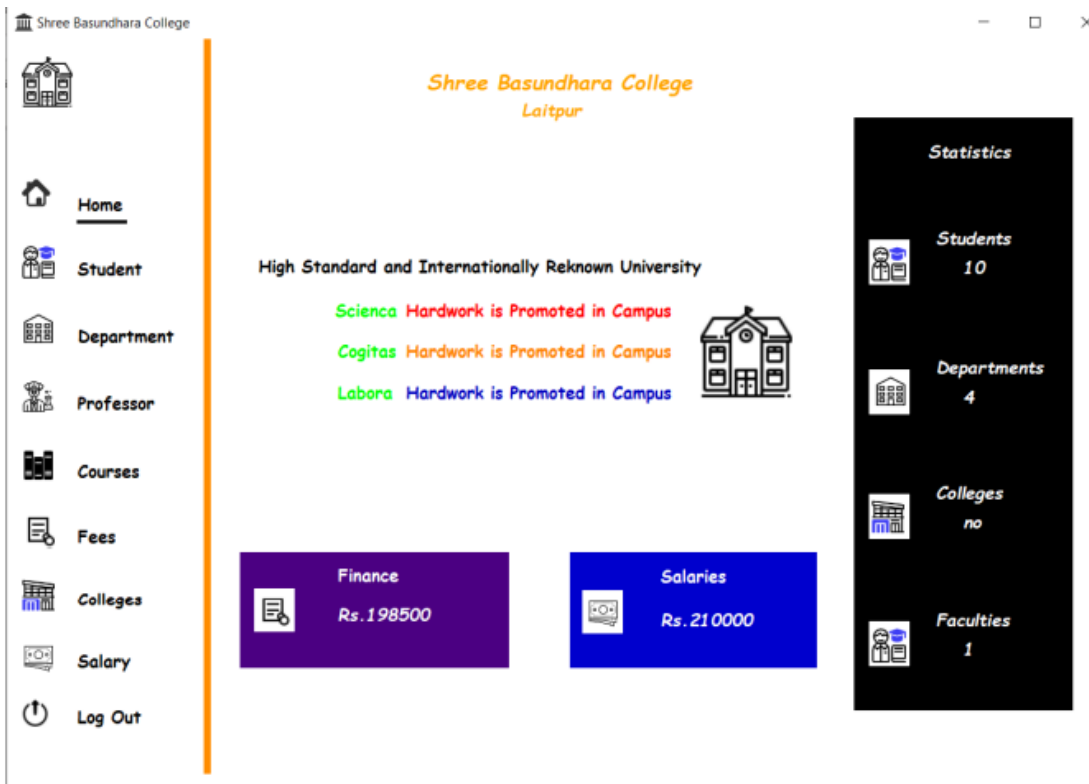
In Constructor,
it should include all members inside parenthesis as parameter, if any varialbe left, error arises)
Syntax :

struct struct_name => struct names{ methods and properties }
```

# Develop application using ASP.NET, Windows Form & C#

As per supervisor order, involvement in building projects as an individual & as a team helped me to achieve this outcome.

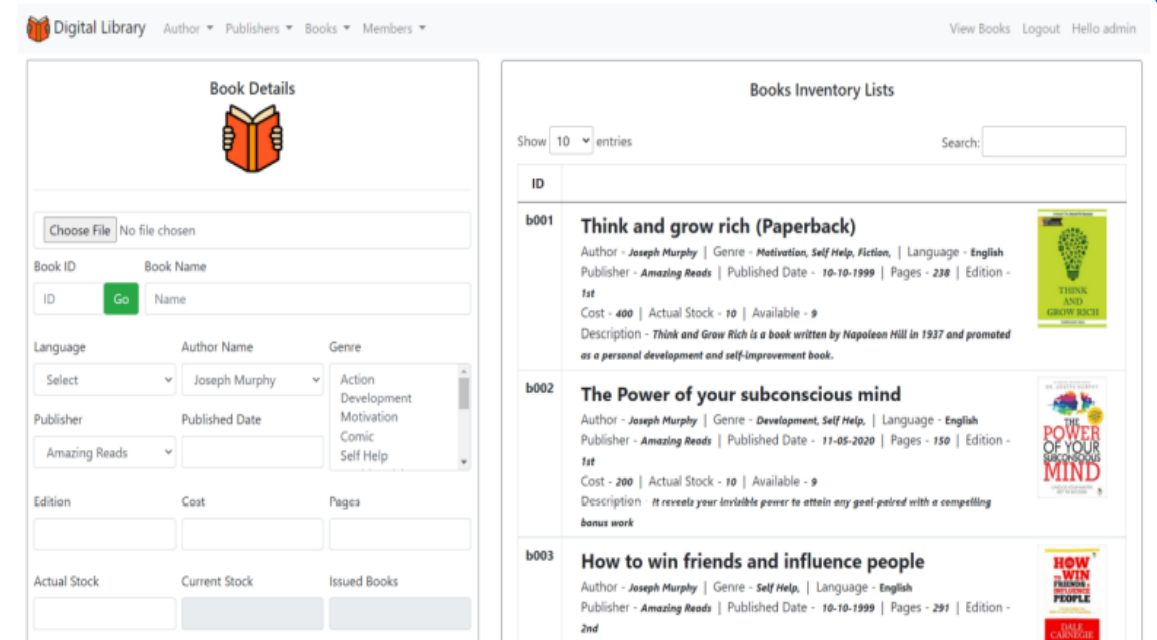
## Desktop application Evidences





# Develop application using ASP.NET, Windows Form & C#

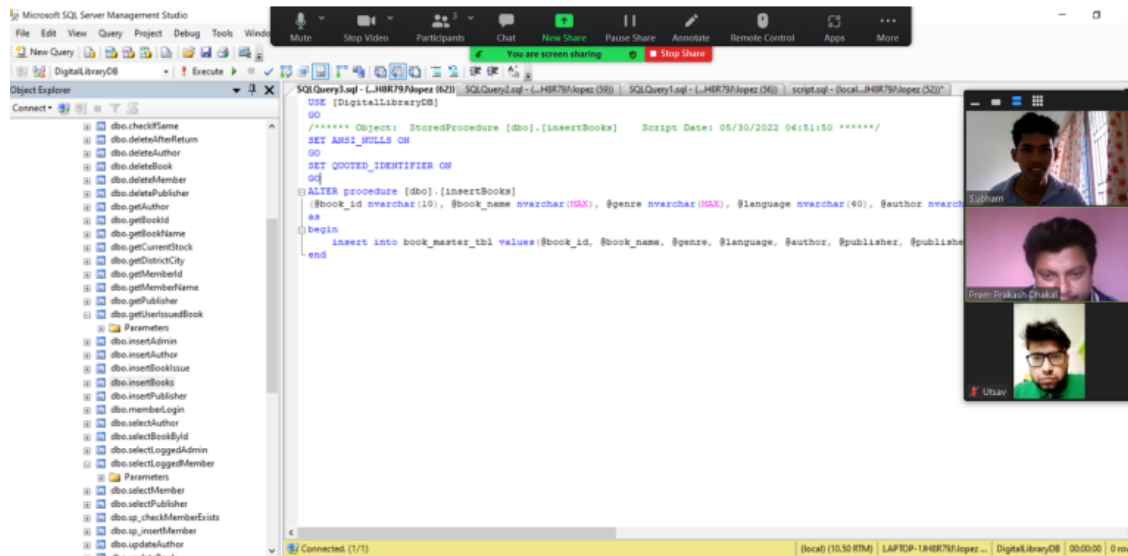
## Digital Library Web application Evidences



# Learn & Enhance my MSSQL skill using SSMS

Downloading SSMS & performing research on integration of database with .NET application, learning advance topics from suggested sites from supervisor helped me to achieve this outcome.

## Implementing MSSQL Evidence



Links of online source & YouTube channels that helped to me enhance my skill in MSSQL

<https://dotnettutorials.net/course/ms-sql-server/>

<https://www.tutorialsteacher.com/sqlserver>

<https://www.youtube.com/watch?v=gUfVV-s6pog&list=PLX07I0qxoHFv2adKGrkZnSTszKPYdD-a>

# Presentation & Communication Skills

Getting leader supervisor, never stopping asking, communicating & discussing about projects, new topics & technologies with supervisor and fellow interns helped me to achieve this skill.

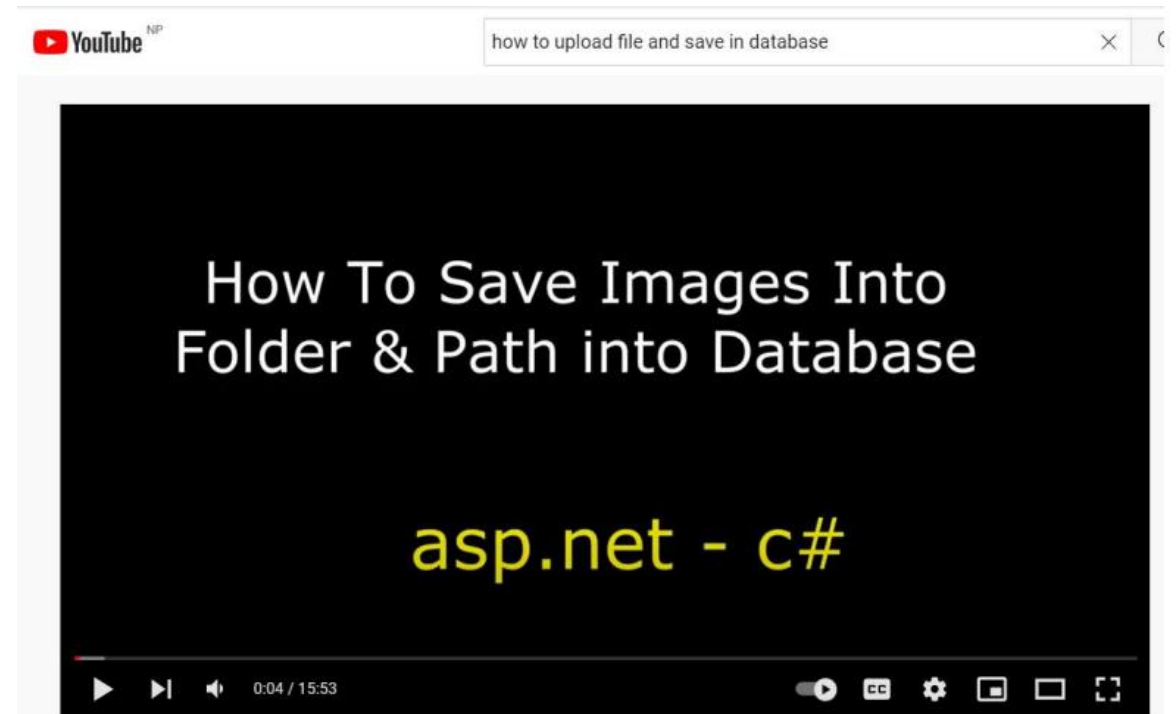
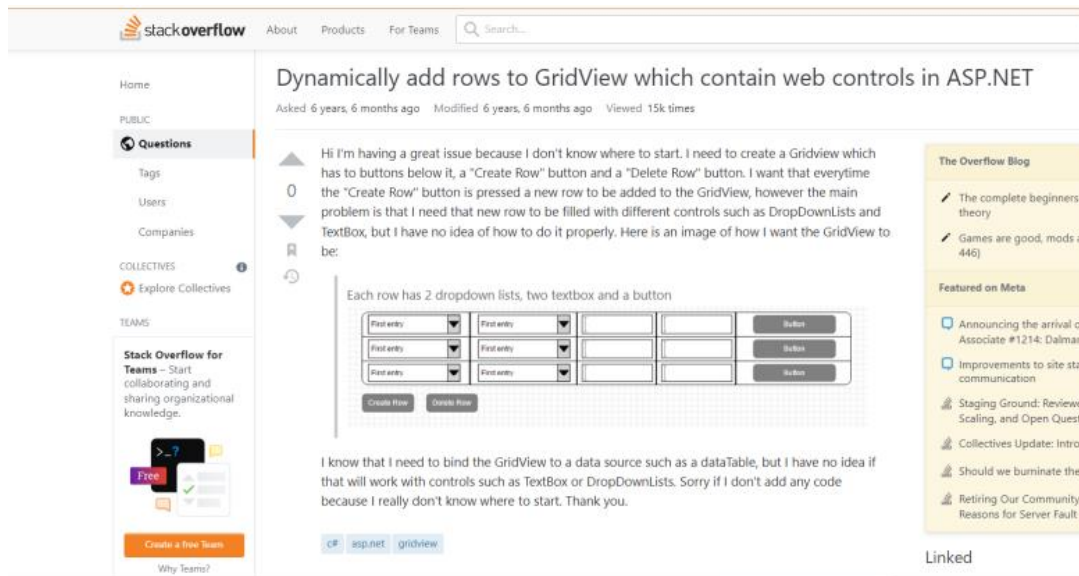
## Evidences



# Research Skills

With proper dedicated research about every difficult & important topics from the first day of internship from C# community sites, stack overflow. I can assure that I have developed this skill.

## Evidences



# Problem solving & Time management Skill

Understanding flow of code, breaking down the problems, thinking from users mind increment my problem solving error while managing time table for both college & internship maintained my time management skill.

```
0 references
protected void rowAddBtn_Click(object sender, EventArgs e)
{
    if (ViewState["table"] != null)
    {
        DataTable dt = (DataTable)ViewState["table"];
        if (dt.Rows.Count > 0)
        {
            DataRow dr = null;
            for (int i = 0; i < dt.Rows.Count; i++) //here we are storing user inserted textbox values in datatable
            {
                TextBox t1 = (TextBox)GridView1.Rows[i].Cells[1].FindControl("nameTb");
                TextBox t2 = (TextBox)GridView1.Rows[i].Cells[1].FindControl("ageTb");
                dr = dt.NewRow();
                dr["RowNumber"] = dt.Rows.Count + 1;
                dt.Rows[i]["Name"] = t1.Text;
                dt.Rows[i]["Age"] = t2.Text;
            }
            dt.Rows.Add(dr);
            ViewState["table"] = dt;
            GridView1.DataSource = dt;
            GridView1.DataBind();
        }
        else
        {
            Response.Write("<script>alert('Viewstate is null');</script>");
        }
        setPreviousData(); // fills previous row with user added data and adds extra rows with empty fields at last
    }
}

2 references
private void setPreviousData()
{
    if (ViewState["table"] != null)
    {
        DataTable dt = (DataTable)ViewState["table"];
        if (dt.Rows.Count > 0)
        {
            for(int i = 0; i<dt.Rows.Count; i++){
                TextBox t1 = (TextBox)GridView1.Rows[i].Cells[1].FindControl("nameTb");
                TextBox t2 = (TextBox)GridView1.Rows[i].Cells[1].FindControl("ageTb");
                t1.Text = dt.Rows[i]["Name"].ToString();
                t2.Text = dt.Rows[i]["Age"].ToString();
            }
        }
    }
}
```

No issues found





# Professional & Team work skill

In process of project development, meeting held, discussion on requirement analysis, sharing our points helped me in gaining professional skill.

## Evidences

Meeting Name	Requirement Analysis, Group formation of College Management System
Date of Meeting	30 September 2021 (Time 5 pm to 7 pm)

### 1. Meeting Objectives

After few weeks of learning Console and Desktop development using Windows form, the supervisor gave us the project to develop which was a college management system. During these meeting, supervisor gave us the project idea, requirements needs to be fulfilled by the application. He formed a group of 4 members and told us to perform each module functionality. These meeting also included the discussion between me and my team members about the database design, attributes finalization and module functionality discussion.

We as a team discussed about the additional criteria, thought from users point of view and finalized the design of the application.

With this finalization & discussion, the meeting ended at 7 pm.



Table 2. Meeting & co-ordination evidence 1

2. Attendees
<b>Supervisor:</b> Prem Prakash Dhakal
<b>Group Member:</b> Subham Chaudhary, Utsav Upadhyaya, Roshan Pradhan & Sujana Bhandari

# Challenges Encountered

- Getting distracted due to Work from home
- No proper professionalism & work ethics exposure
- Delayed answer to any problem
- Time Management



# What I Enjoyed

- Supportive and beginner's friendly environment
- Able to learn technologies that I missed in college course.
- Developing & working as a team to build something new
- Became familiar & dealt with each problems faced during initial stage.
- Learned professional & technical skills



# Future Career Plan

- Become a Dot Net developer
- Join Software development industry to gain experience & work on real world solutions
- Learn all the new and needed .NET technologies running in market.
- After gaining few years experience, will study master's program.



# Thank you

From

Subham Chaudhary