Please ensure it is the student's responsibility to complete all assignments on time and as per the lecture schedules. Assignment Kit will help every student gain confidence in the technology as well as get comfort in understanding how industry is working. The assignments are laid out as per exam and lecture schedules.

Module -1

1) Write a program that calculates and prints the simple interest using the formula: Simple Interest = PNR / 100.

2) Write a program using do…..while loop to calculate and print the Fibonacci numbers.
   The numbers in the following sequence are called the Fibonacci numbers

   0, 1, 1, 2, 3, 5, 8 13…………..

3) Write a program that prints prime numbers between 1 to n. Number n should be accepted as command line input.

4) Write a program to print the following output using the for loop.

   1

   2 2

   3 3 3

   4 4 4 4

   5 5 5 5 5

5) Write a Program that reverses the entered string.

6) Write a Program to print the following output using the for loop.
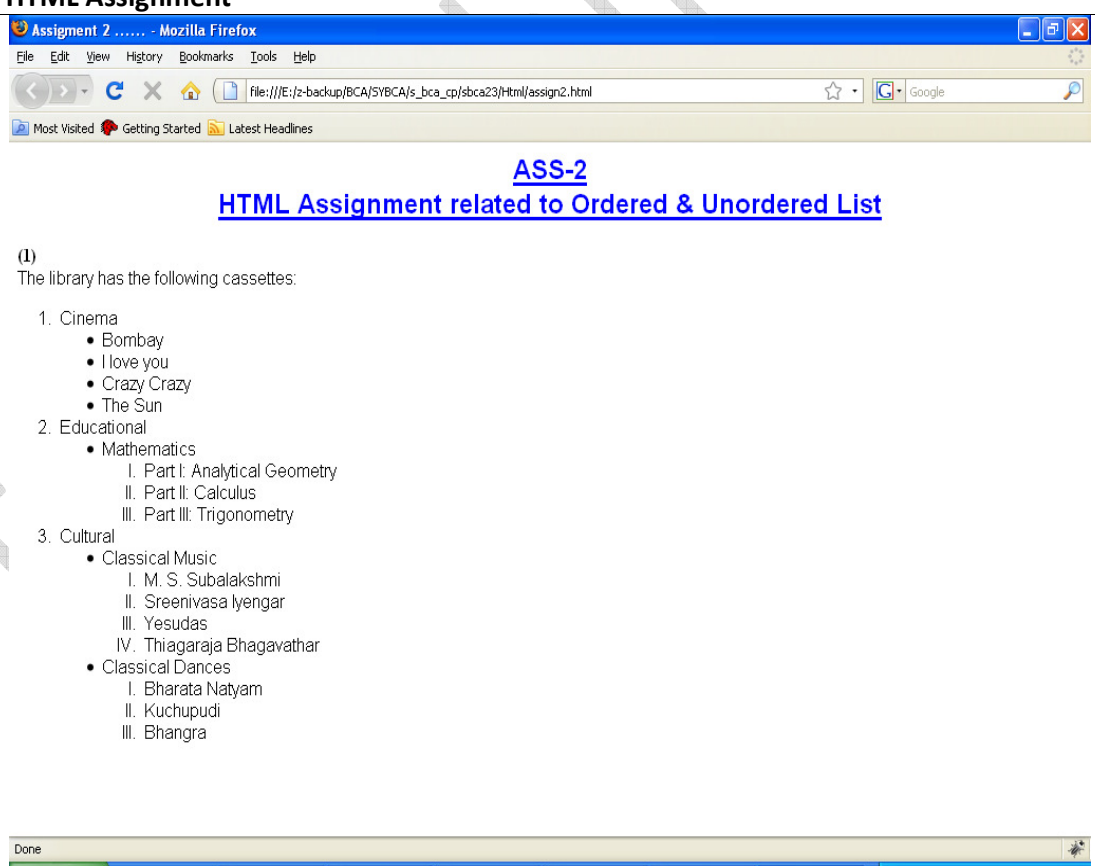
   1 1 1 1 1

   0 0 0 0

   1 1 1

   0 0

   1

7) Write a Program that counts the number of vowels and consonants used in the string entered
8) Write a program for check Given no is Armstrong or not
9). Write a program for check Given number is Palidrom of not

10). **Write a program for Check Given number is Odd or Even**

HTML and CSS Assignment

1	Define project purpose and scope.
2	Define overall description of project.
3	Draw Process flow diagram of project.
4	Make Data dictionary of project.
5	**HTML Assignment**
a.	

b.

HTML Assignment related to Table Tags

1) Generate following output.

Railway Time Table And Fare List

Name of Train	Place	Destination	Time		Fare
			Arrival	departure	
Rajdhani Express	Bombay	Delhi	07:30	08:45	Rs. 989.00
Madras Mail	Bombay	Madras	09:00	10:15	Rs. 450.00
Konya Express	Bombay	Banglore	11:30	12:25	Rs. 645.00
Konkan Express	Bombay	Manglore	13:30	14:45	Rs. 756.00
Deccan Express	Bombay	Pune	16:00	17:30	Rs. 345.00

2) Write an HTML program to print the following table.

Telephone Bill

Subscriber's Name & Address		Consumer No.		P.O. Stamp		
K.Shelly 4/45 FOURTH STREET, SHANTHI NAGAR, TIRUNELVELI -627002		PL 00515077				
TELEPHONE NO.	TYPE	BILL DATE		DUE DATE		PAY BY DATE
575077	GENL RES PERM	01-Aug-97		18-Aug-97		25-Aug-97
OPENING METER READING	CLOSING METER READING	METERED CALLS	DEBIT CALLS	CREDIT CALLS	FREE CALLS	CHARGEABLE CALLS
1052	1297	245	0	0	150	95
DETAILS				ITEM	PERIOD	AMOUNT
Rate	No. of Calls	Charge		Rent	10/09/97 to 31/10/98	200.00
0.8	95	76		ITEM	16/05/97 to 15/07/97	76.00
SURCHARGE AFTER PAY BY DATE		10		TKP/PG CALLS	16/05/97 to 15/07/97	0.00
AMT ON/BEFORE PAY BY DATE		290		ITX CALLS	16/05/97 to 15/07/97	0.00
AMT AFTER PAY BY DATE		300		MISC	TAX	14.00
				TOTAL		290.00
				ADDRESS		

c.

1) Generate following output:

SUBSCRIBE TO CORPWORLD

Interested in receiving daily email updates of all the latest exploits of BigCorp? Well, now you can. And, best of all, it's free! Just fill out this form and submit it by clicking the "Send it In" button. We'll put you on our mailing list, and you'll receive your first email in 3-5 days.

Top of Form

Please complete all of the following:

First Name: [   ]
Last Name: [   ]
Business: [   ]

We must have a correct email address to send you the newsletter:
Email [   ]

How did you hear about BigCorp's email letter?
◉ Here on the Web ○ In a magazine ○ Newspaper story ○ Other

Would you care to be on our regular mailing list?
☑ Yes, I love junk mail

Which are the games you like to play?
Cricket
Football
Enter comments about this Website.

Top of Form

Top of Form

D	**HTML Assignment related to Form tag**

1) To devlop an HTML document to display the following form.

Computer Education

Annula Convention 1998

Paticipants' Registration Form

1. Name of paricipant
2. Address: Street
       Town
       State
       Pin Code
3. Select the work you are involved in

   Computer Education
   Software Developing
   Hardware Maintenance
   System Analysis
   Computer center managment

4. Select any tutorila you wish to attend.

   16th September 1998   Ecommerce / Software security / RDBMS

   17th September 1998   HTML and Java / Internet Security / RDBMS

   Type any of your special requirement in this box

   [Submit] [Reset] |

SQL

Create DataBase: Practice

Note: Use Create SQL statement for creating table.

Create Table:

❖ **tblProducts:**

Column Name	Data Type	Constraint	Description
tID	int	Primary key	Auto Increment
ProductName	Varchar(20)		
RecommendedPrice	Money		
Category	Varchar(10)		

❖ **tblCustomers:**

Column Name	Data Type	Constraint	Description
CustomerID	int	Primary key	Auto Increment
FirstName	Varchar(50)		
LastName	Varchar(50)		
City	Varchar(50)		
State	Char(2)		

Zip	Varchar(10)		

❖ **tblSales**

Column Name	Data Type	Constraint	Description
SalesID	int	Primary key	Auto Increment
ProductID	Int	Foreign key	
CustomerID	Int	Foreign key	
SalesPrice	Money		
SalesDate	Smalldatetime		

Note: Insert data using insert statement into table.

❖ **tblProduct:**

ProductID	ProductName	RecommendedPrice	Category
1	DVD	105.00	LivingRoom
2	Microwave	98.00	Kitchen
3	Monitor	200.00	Office
4	Speakers	85.00	Office
5	Refrigerator	900.00	Kitchen
6	VCR	165.00	LivingRoom
7	CoffeePot	35.00	Kitchen

❖ **tblCustomers:**

CustomerID	FirstName	LastName	City	State	Zip
1	Chintan	Patel	Anand	GJ	388001
2	Paresh	Prajapati	Nadiad	GJ	387001
3	Pragnesh	Patel	Surat	GJ	395008
4	Nilesh	Dharsandia	Mumbai	MH	400002
5	Sonal	Patel	Mumbai	MH	400002
6	Harshal	Patel	Mogri	GJ	388345
7	Prakash	Rathod	Mogri	GJ	388345
8	Aarzoo	Dodhiya	Rajkot	GJ	360003
9	Heta	Dave	Varanasi	UP	221002
10	Nikita	Dave	Varanasi	UP	221002
11	Vaibhav	Dave	Varanasi	UP	221002
12	Paresh	Patel	Pune	MH	411001
13	Prakash	Patel	Pune	MH	411001
14	Sandhya	Patel	Hyedrabad	AP	500031
15	Divesh	Patel	Banglore	KA	560002
16	Payal	Shah	Banglore	KA	560002
17	Priyanka	Rana	Anand	GJ	388001
18	Sanket	Dhebar	V.V.Nagar	GJ	388121
19	Puja	Shah	Varanasi	UP	221002
20	Priya	Shah	Varanasi	UP	221002

❖ **tblSales:**

SalesID	ProductID	CustomerID	SalesPrice	SalesDate
1	1	1	130.00	2005-06-14

2	2	2	97.00	2005-06-19
3	3	3	200.00	2005-09-20
4	4	4	80.00	2005-03-22
5	5	5	899.00	2005-01-23
6	6	6	150.00	2005-03-24
7	3	7	209.00	2005-03-10
8	4	8	90.00	2005-08-11
9	6	9	130.00	2005-08-12
10	2	14	85.00	2005-12-13
11	3	15	240.00	2005-05-14
12	1	17	87.00	2005-07-19
13	2	18	99.00	2005-09-20
14	6	19	150.00	2005-07-22
15	5	5	900.00	2005-03-06
16	4	6	86.00	2005-04-07
17	2	7	88.00	2005-11-08
18	3	8	198.00	2005-05-09
19	1	9	150.00	2005-10-10
20	6	14	99.00	2005-05-09
21	6	15	104.00	2005-09-20
22	4	14	90.00	2005-07-22
23	1	1	130.00	2005-03-06
24	2	2	102.00	2005-04-07
25	1	3	114.00	2005-11-08
26	5	4	1000.00	2005-05-09
27	5	5	1100.00	2005-10-10
28	3	6	285.00	2005-06-11
29	2	7	87.00	2005-10-12
30	3	8	300.00	2005-07-13
31	3	20	205.00	2005-12-31

Queries

No	
1	Return the First Name, Last Name, Product Name, and Sale Price for all products sold in the month of October 2005.
2	Return the CustomerID, First Name, and Last Name of those individuals in the Customer table who have made no Sales purchases.
3	Return the First Name, Last Name, Sale Price, Recommended Sale Price, and the difference between the Sale Price and Recommended Sale Price for all Sales. The difference must be returned as a positive number.
4	Return the average Sale Price by Product Category.

5	Add the following Customer and Sale information to the database. (using store procedure)
	    FirstName: Priyanka
	    LastName: Chopra
	    City: Mumbai
	    State: MH
	    Zip: 400001
	    ProductID: 3

	SalePrice: 205 SaleDate: 12/31/2005
6	Return the Product Category and the average Sale Price for those customers who have purchased two or more products.
7	Update the Sale Price to the Recommended Sale Price of those Sales occurring between 6/10/2005 and 6/20/2005.
8	Number of Sales by Product Category where the average Recommended Price is 10 or more dollars greater than the average Sale Price.
9	Without using a declared iterative construct, return Sale Date and the running total for all sales, ordered by the Sale Date in Ascending Order.

Note: Operational Statement with Employement.

tblemp (eno, ename, bdate, title, salary, dno)

tblproj (pno, pname, budget, dno)

tbldept (dno, dname, mgreno)

tblworkson (eno, pno, resp, hours)

Queries

No	
11	Write an SQL query that returns the project number and name for projects with a budget greater than $100,000.
12	Write an SQL query that returns all works on records where hours worked is less than 10 and the responsibility is 'Manager'.
13	Write an SQL query that returns the employees (number and name only) who have a title of 'EEE' or 'SA' and make more than $35,000.
14	Write an SQL query that returns the employees (name only) in department 'D1' ordered by decreasing salary.
15	Write an SQL query that returns the departments (all fields) ordered by ascending department name.
16	Write an SQL query that returns the employee name, department name, and employee title.
17	Write SQL query that returns the project name, hours worked, and project number for all works on records where hours > 10.
18	Write an SQL query that returns the project name, department name, and budget for all projects with a budget < $50,000.
19	Write an SQL query that returns the employee numbers and salaries of all employees in the 'Consulting' department ordered by descending salary.
20	Write an SQL query that returns the employee name, project name, employee title and hours for all works on records.

❖ **tblemployee**

Emp_code	Emp_name	Manager_code
1	A	2
2	B	3
3	C	Null
4	D	5
5	E	3

a)   Write an SQL query that returns the employee name their manager name by using manager code.

No	C#
1	Write a program that perform sum of two integer number data must be taken by the user.
2	Write a program that perform sum of two double number data must be taken by the user.
3	Write a program that perform square of any integer number data must be taken by the user.
4	Enter the value for basic salary and calculate net salary based on this: DA = 10% of basic salary TA = 5% of basic salary PF = 10% of basic salary HRA = 3% of basic salary Net Salary = Basic Salary + DA + TA - PF – HRA Display all the values. (Values must be entered by the user)
5	Enter bill no, Quantity and Price. Find out the Total amount in which 10.2% is services tax on the total amount. (Values must be entered by user)
6	Write a program that perform define enumeration called City that enumerates various types of cities.
7	Write a program that perform define enumeration called color that enumerates various types of colors.
8	Write program to accept percentage of N students and give grade as follows: If percentage >= 80 then grade is A If percentage >= 70 then grade is B If percentage >= 60 then grade is C If percentage >= 40 then grade is D
9	Write a program that perform define maximum number and second maximum number from given three numbers. (Values must be entered by user)
10	Enter Basic Salary and Gender. If Basic Salary<5000 and gender M than bonus=0 Basic Salary>=5000 & <=10000 and gender M than bonus=7% of basic salary Basic Salary>=10000 and gender M than bonus=10% of basic salary Otherwise bonus=9.5% of basic salary

		Print Basic salary and net salary. Net salary=bonus+basic salary Now check pay salary is >1,00,000 than tax=10% of net salary Find Pay salary.
		Loop Statements Assignment
11		Enter any number and find it reverse number.
12		Write a program to print Fibonaci series(While/Do_While/For) Fibonaci series→0+1+1+2+3+5+8+...
13		Write a Program to print below series(While/Do_While/For) 1+5+14+30+55+...
13		Write a function to find out factorial of given number.
14		Write a function to print the prime numbers up to n.
15		Write a program that performs the sum of digits of given numbers.
16		1 2 3 4 5 6 7 8 9 10
		Note: value must be entered by the user. If value entered 5, output will be same as above pattern.
		Break & Continue Statement
17		Take values continuously from user and show square of values. If user press 0, then program stops execution.
18		Generate Random number and check if its divisible with 2 or 3 or not. If yes then then break the loop.(use while)
		Array
19		Write a program to remove duplicate elements from a one-dimensional array.
20		Enter the array element and perfrom sum of even numbers only.
21		Sort a list of names in alphabetical order. (Note: Don't be use System.Array class method)
22		Sort a list of names in desciding order. (Note: Don't be use System.Array class method)

23		Write a program to sort all elements of 3*3 matrix row wise
		E.g: 1 3 2 row by row sort : 1 2 3
		      6 4 8 4 6 8
		      5 3 9 3 5 9

24		Write a program that perform Array.Copy & Array.Clone and also find the Length of Array.
25		Write a program of jagged array where length of each array defines by the user.
26		Write a program for differentiate "Array" and "Arraylist" concept.

27	Write a program of array to store multiple data type value by using ArrayList.
	Class & Object
28	Create a class LIBRARY having data members as: bookno, name, author of the book. Write a program for creating functions that reads all the information and display it.
29	Create a class STUDENT having data members as: rollno name. Write a program that reads all the information for 3 students and display it.
30	Create a class AREA. Ask the user for the choice in main menu to find area of triangle, square, circle in this class.
31	Write a program having two constructors: (1) Default constructor (2) Parameterized constructor In main program, read any number and pass that number to the constructor and verify that number is a perfect or not. (Hint: A perfect number is a one whose sum of digits = multiplication of digits) (E.g. n = 123)
32	Write a program to create nested class.
33	Write a program to describing Data Abstraction.
34	Write a program of relation of multi console application using class library.
	Loop
35	Take 1-D array of size 10. Print the summation of five numbers of an array using foreach loop.
36	Write a program to display string value starting with 'A' character using foreach loop.
37	Create a patterned on given by series. & $$ &$& $$$$ &$&$&
38	Write a program to differentiate While and Do While loop with using given series. 1 2 3 4 5 6 7 8 9 10
	Static
39	Write a program which includes static constructor and static methods to find average of student marks.
40	Write a program which differentiat static and local variable.
41	Write program to take 10 student details like: firstname,lastname,etc.. by using static function.
	Operator Overloading
42	Overload binary operator -, *, / using member function for 2 objects
43	Unary operator with member function

44	Write a program to overload decrement operator.
	Indexer & Properties
45	Create a class Test and define property "MyProp", which is used to access the field of "p". In this case the property allows only positive values to be assigned. Print the assigned value.
46	Use an Indexer to create a "range" array. Array contains name of students.
47	Write a program of addition between two numeric type value with using properties.
	Method Overloading
48	Find the maximum number and srting using findMax() method. Write a program using method overloading functionality.
49	Write a program to perfom different operation like addition, subtraction, multiplication and divison on different datatype using method overloading.
	Inheritance
50	Write a program to take 3 variables each in private, public and protected. Store value and print same.
51	A program to pass argument to derived class constructor.
52	Both derive and base class will accept same argument.
53	Write a constructor function in derived class which will pass argument to only base class.
54	Example illustrating Virtual function when a derived class does not overwrite a function of base class version.
55	Write a program to prevent a class "Test" from being inherited using sealed keyword.
	Exceptions
56	Write a program to perform DivideByZeroException.
57	Write a program to perform IndexOutOfRangeException on 1-D array.
58	Write a program to illustrate the throw statement by manually throwing a DivideByZeroException.
59	Write a program to perform multiple catch with user define exception. (e.g. Salary could don't be less than zero)
	Threading
60	Write a program that illustrates method of Thread like start, sleep, suspend etc.
61	Write a program rather long-winded way of calling the ToString() method on an int: using Delegate.
62	Write a program to demonstrate delegate with static method.
63	Write a program substitute the name List for ArrayList and to use the generic type parameters.
64	Write an application program that read the contents of one file and copy it to the other file.

65	Write a program for synchronic multiple thread.
66	Write a program to run multiple threads with given priority.
67	Write a program to create multiple threads at runtime using thread pool.
	Generic
68	Write a program to insert into stack, pop up from stack and peek the value from stack.
69	Write a program for create a Array List and add the value into list and display it.
70	Write a program for create user define key by using has Table and display key value & key.
71	Write a program for use List<> into Linq Programming.
	I/O Application
72	Write a program for Create, Read, Write, Append, Move, Copy, and Delete file.
	Delegates
73	Create a single cast delegate for returning string type value.
74	Create delegates to perform Arithmetic operation using multicast delegate and also perform removing of any method which is bind with delegate.

ASP.NET

NO	Definition
1	Take appropriate controls like below, FirstName [TextBox] LastName [TextBox] Gender [RadioButtonList] Hobbies [CheckBoxList with minimum four hobbies] Button Label When you click on button, Entered data and selected data in controls must be shown in label.
2	Take Two Checkboxlist to display course option "BCA","BE","MCA","ME","MBA". When you select any checkbox display selected options in another checkboxlist.

3	 When you click on first button selected cities moves from left-side ListBox to Right-side ListBox. When you click on second button all cities from left-side listbox to right-side listbox. When you click on third button, selected cities moves from right-side listbox to leftside listbox. When you click on fourth button, all cities from right-side listbox to left-side listbox.
4	Take 2 TextBox, 1 Label and 1 Radiobuttonlist.Radiobuttonlist contains four options "Add","Sub","Mul" and "Div". Bydefault selected option is "Add". Do arithmetic operation on TextBoxes Value and display result in Label.
5	Take one fileupload control and upload file with only jpeg extension with maximum size of 1MB and show uploaded file in image.
6	Take one textbox, button and dropdownlist controls. When you click on button entered text in textbox must be added into dropdownlist.
7	Use state management and find out how many users is currently working or login on our system. By using Session and Application with globla.asax page.
8	Take one file upload control and upload video file with appropriate format and display on web form. Using video plug and play library.
9	Create new folder at runtime and also add new aspx and aspx.cs web page at runtime given by user name. Take one textbox for folder name and one for file name. When users click on submit button folder and file should be create in existing application.
10	Write a validation using JavaScript code. Here, all fields are required. Validation must be using key code.
11	Take one label and show time interval without refreshing page.
12	Generate one registraion page with firstname,lastname,email,password and userimage field. When user male registration store all details into session and redirect to login page. Design one login page and user must be able to loggedin with entered details while registration. After login redirect to home page where user can find his/her selected image and welcome message with his/her name. Put one logout button on home page which destroys all user session.
13	Create website with one user control which shows information of any five products at multiple pages.

	Note: Please use master page to distribute pages.
	Module – 5

14	**DataBase Name: Employee**
	Table Name: tblEmp
	
	Field Name:
	    1. EmpID
	    2. FirstName
	    3. LastName
	    4. State (Drodownlist)
	    5. City (DropDownList)
	    6. Hobbies (CheckBoxList with atlest Four Hobbies)
	    7. UserImage (File Upload)
	
	Table Name: StateTbl
	
	Field Name:
	    1. SID
	    2. State
	
	Table Name: CityTbl
	
	Field name:
	    1. CID
	    2. CityName
	    3. FkSID
	
	Note:
	
	• Use 3 – tier architecture
	• Bind Dropdowns from table and make cascading drop downs
	• Perform Insert/Update in Gridview
	• Please use appropriate controls at edit time.

15	Perform Multiple Delete functionality by using above data with gridview.
16	Perform Sorting and Pagging within gridview.
17	Perform CRUD Operation with DataList and Listview.

18	**DataBase Name: College (USE: SQL Server)**
	Table Name: tblStudent
	Field Name:
	    1. Rollno (primary key – auto increment)
	    2. Name
	    3. City
	Perform inser, update and delte operation using gridview on above database's table.
	
	<table><tr><td>Roll NO</td><td>Student Name</td><td>Student City</td><td></td><td></td><td></td></tr><tr><td>39</td><td>prakash</td><td>Anand</td><td></td><td>Edit</td><td>Delete</td></tr><tr><td>42</td><td>jigar</td><td>baroda</td><td></td><td>Edit</td><td>Delete</td></tr><tr><td></td><td></td><td></td><td>Insert</td><td></td><td></td></tr></table>

	Note: Must be use 3-tier architecture.

19	**Table Name: tblLogin**
	Field Name:
	    1. Userid
	    2. Password
	    3. Role
	
	Table Name: tblUser
	Field Name:
	    1. Userid
	    2. FirstName
	    3. LastName
	    4. City
	    5. Education
	
	1st Form:
	
	Login Form
	
	Email ID
	Password
	New user?
	Login
	
	2nd Form:
	
	User Registration Form
	
	Email/Userid
	Check Avability Check
	Password
	Confirm Password
	First Name
	Last Name
	City
	Education
	Submit	

3rd Form:

User Profile Page

	Edit
User ID	prakashrthd@gmail.com
First Name	Prakash
Last Name	Rathod
City	Anand
Education	MCA

Note:
1. Use 3-tier architecture.
2. Must be store procedure and for insert data in both tables make only one store procedure.
3. On Registration Form check use rid is available or not.
4. If user registration successfully submits, Redirect to profile page and display total information of user.
5. On profile page user can edit details.
6. On login form, generate message "Invalid user id or password" if unauthorized user try to sign in.

20	Add more functionality in above example.
	1. Forgot Password
	2. Remember me on this computer
21	Use above database and display all user's information in Gridview. Gridview have following facility.
	1. Edit
	2. Update
	3. Sorting
	4. Paging
22	**Product Management System**

Product Category

Product Name

Description

Prize

Purchase Date

Image   Browse

Save   Update   Cancel

S. No.	Product Category	Product Name	Description	Prize	Purchase Date

Search

Category: Select ▼

Purchase Date: _____

Search

S. No.	Product Name	prize

Requirements:

1. Use three-tier and use stored procedure only.
2. Give proper validation for each field, use java script for validation.
3. Only .jpg, .jpeg and .gif insert.
4. Add products through the Product Management System and then display them in the grid
5. Images are in D:\Sample Pictures
6. Search products through Category dropdown and Date and display them in the grid

23	
	Use DataTable. When you click on "ADD" button data will be inserted in Gridview not in DataSource. When you click on "Insert Total Records From Gridview", all data (Records) from Gridview will be inserted into DataSource.
24	Make Test.xml file with empno, empname and empcity data. Bind all the information of xml file in Gridview and perform insert update and delete operation.
25	Take three dropdownlist, one for Country, second for State and third for City. When user selects country, state droplist display state list of selected country. Same for city dropdownlist as per select state city dropdownlist bind. Use ajax update panel, trigger.

26	**Table Name:** tblNews
	Field Name
	    1. Id
	    2. EmailAdd
	
	Make news letter form.
	
	Insert 10 email addresses into table using above form.
	
	Make "frmSendMail" form, in that take one Textbox and one button ("Send Email").
	When user click on "Send Email" button message which typed in textbox send to all registered member.

	Java Script
27	Write a validation using JavaScript code. Here, all fields are required. Validation must be using key code. [MUST HAVE TO USE MASTER PAGE]

	Name : _____ Allow only character User Name : _____ Allow only character and numeric value | white space not allowed Password : _____ Allow maxumum 5value Mobile : _____ Allow only numeric value Email Id : _____ Email should be in proper format [Submit]
	Web Service
28	Create a web service with ArithmeticOperation WebMethod. Then integrate webservice to another website and perform arithmetic oprtaions.
29	Create one web site and use google map to findout distance between two destinations.
	LINQ
30	Name : _____ User Name : _____ Password : _____ Location : --Select Location-- ▼ Mobile : _____ Email Id : _____ [Submit] [Cancel] **Table Name: tbl_user_detail** **Filed Name: user_id, user_name, user_username, user_password, location_id, user_mobile, user_email** **Table Name: tbl_location** **Field Name: location_id, location_name** **Requirements:** 1. Use three-tier with using LINQ datasource. 2. Use joining type to mapping two table and display data in Grid View. 3. Give proper validation for each field. 4. Inserted record must be display in Grid View and perform edit and delete operation.

	Crystal Reporting

32	Create Report in coding and perform following operation-
	    A. Search Product using Date ,
	    B. Find product between two dates date should be get from user
	
	Add Picture From database to Crystal report

33	Create an example of Shorting ,Filtring , Grouping in Crystal report
34	Create a Product report example and export it in excel format
35	Create a Product report example and export it in pdf format