



NATIONAL INSTITUTE OF TECHNOLOGY- WARANGAL

(An Institution of National Importance)

DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

MCA II – I Semester

A.Y: 2020-2021

WEB PROGRAMMING LABORATORY (CS5356)

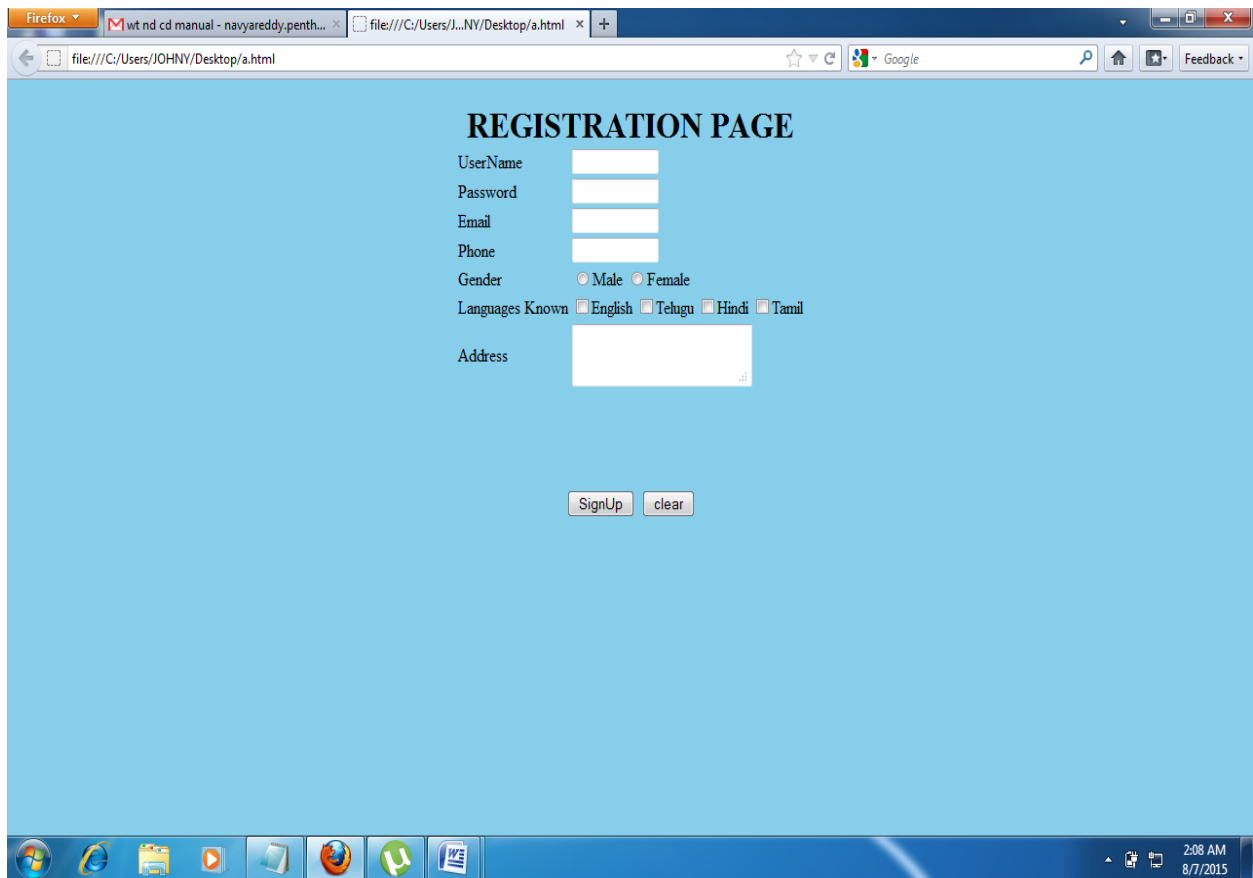
Assignment-I

1. Create an html page named as “Simpletags.html”. Add the following tags detail.
 - i) Set the title of the page as “Simple HTML Tags”
 - ii) Within the body perform the following
 - a) Moving text = “Simple HTML Tags”
 - b) Different heading tags (h1 to h6)
 - c) Paragraph
 - d) Horizontal line
 - e) Line Break
 - f) Block Quote(single quote ‘,double “)
 - g) Pre tag
 - h) Different Logical Style (, <sub>, <sup>....)
 - i) Different Physical style (<strike>, , ...)
 - j) Listing tags (types with, & each type provide different “type” attribute)
 - h) Align tag
2. To create an html file to link to different html page which contains images, tables, and also link within a page.
3. To create an html file as “table.html”.

Day	Seminar		
	Schedule		Topic
	Begin	End	
Monday	8:00 a.m.	5:00 p.m.	Introduction to XML
			Validity: DTD and Relax NG
Tuesday	8:00 a.m.	11:00 a.m.	XPath
	11:00 a.m.	2:00 p.m.	
	2:00 p.m.	5:00 p.m.	XSL Transformations
Wednesday	8:00 a.m.	12:00 p.m.	XSL Formatting Objects

4. Create an html page named as “registration.html”

- a) set background colors
- b) use table for alignment
- c) provide font colors & size.



5. To create an html page with different types of frames such as floating frame, navigation frame & mixed frame.

- i). Create an html page named as “mixedframe.html”. Divide the page into two columns of 25% & 75% size. In 25% display the image and divide the 75% into two rows. (50% & 50%). In the first 50% display the video file, and other 50% the time table created
- ii). Create an html page named as “navigationframe.html”. Divide the page into two columns of 25%, 75% size. In 25% size call the hyperlink, and make the page to be get displayed on the other column when the link is clicked.
- iii). Create an html page named as “floatingframes.html”. in this file include a paragraph to explain floating frame, and in floating frame include the any html file.

6. Design a web page using CSS (Cascading Style Sheets) which includes the following:

1) Use different font, styles:

In the style definition you define how each selector should work (font, color etc.).

Then, in the body of your pages, you refer to these selectors to activate the styles.

2) Set a background image for both the page and single elements on the page.

3) Control the repetition of the image with the background-repeat property.

As background-repeat: repeat tiles the image until the entire page is filled, just like an ordinary background image in plain HTML.

4) Define styles for links as

A: link

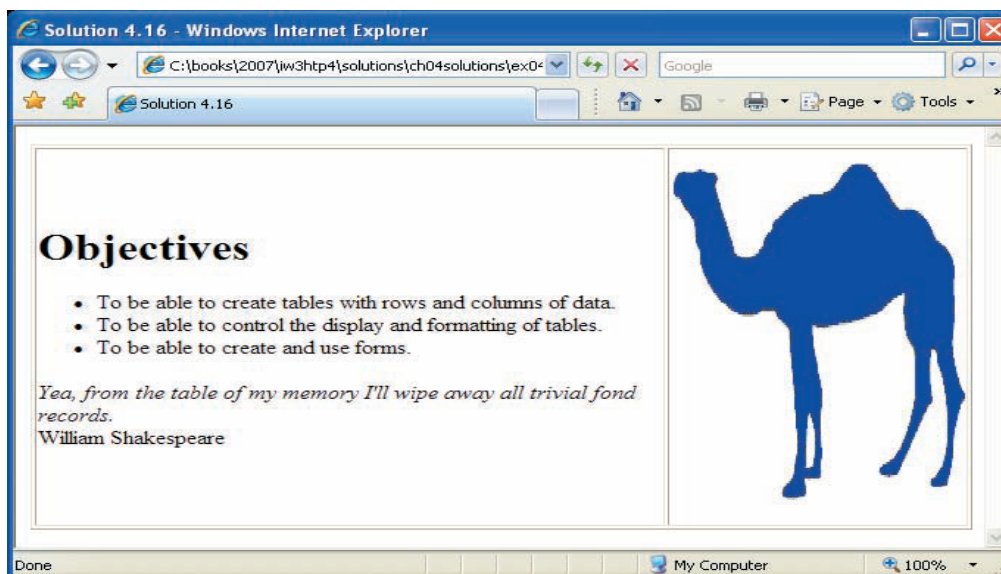
A: visited

A: active

A: hover

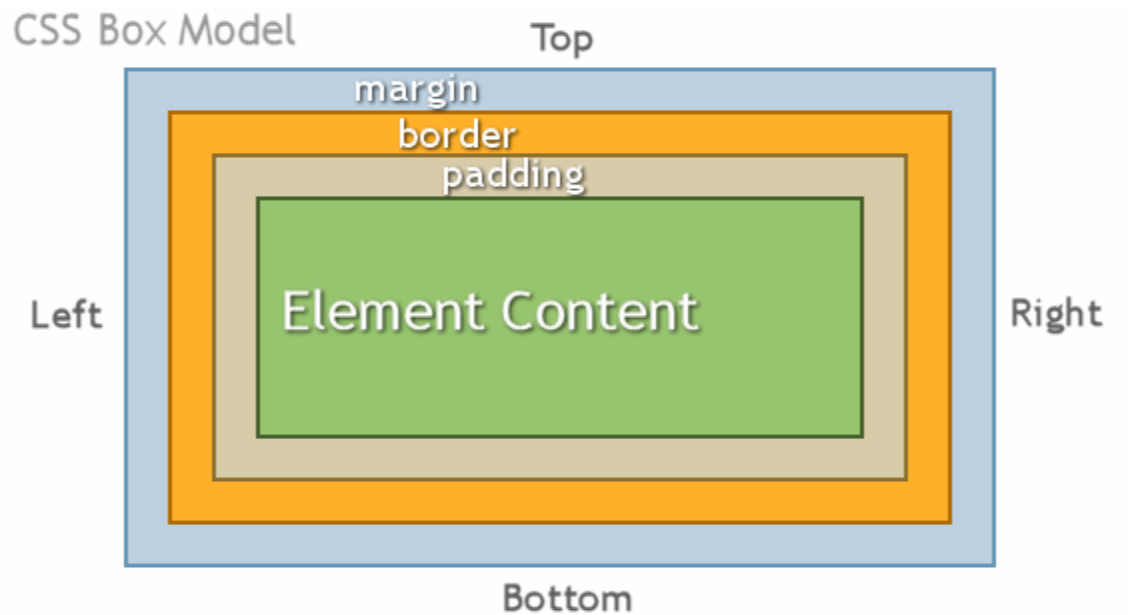
5) Work with layers

7. Create the XHTML markup that produces the table shown below. Use `` and `` tags as necessary.



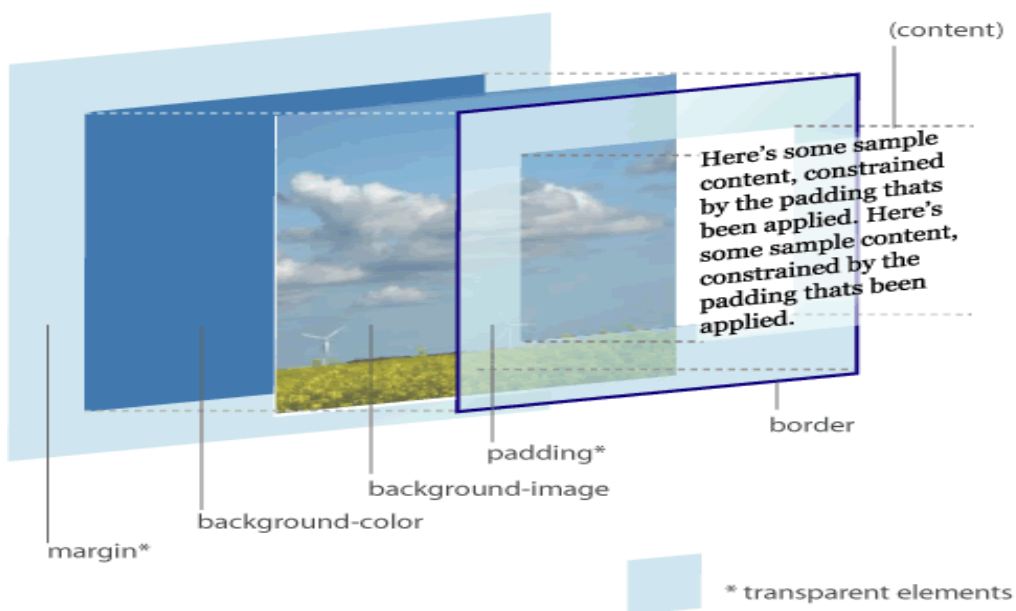
8. Create a Box Model using CSS Styles as shown below.

i)



ii)

THE CSS BOX MODEL HIERARCHY



9. Add an embedded style sheet to the XHTML document in Fig. 4.5. The style sheet should contain a rule that displays h1 elements in blue. In addition, create a rule that displays all links in blue without underlining them. When the mouse hovers over a link, change the link's background color to yellow.

10. Design the following static web pages required for an online book store web site.

1) home page:

The static home page must contain three frames.

Top frame: Logo and the college name and links to Home page, Login page, Registration page, catalogue page and Cart page (the description of these pages will be given below).

Left frame: At least four links for navigation, which will display the catalogue of respective links.

Right frame: The pages to the links in the left frame must be loaded here. Initially this page contains description of the web site

2) login page:

3) catalogue page:

The catalogue page should contain the details of all the books available in the web site in a table.

The details should contain the following:

1. Snap shot of Cover Page.

2. Author Name.

3. Publisher.

4. Price.

5. Add to cart button.

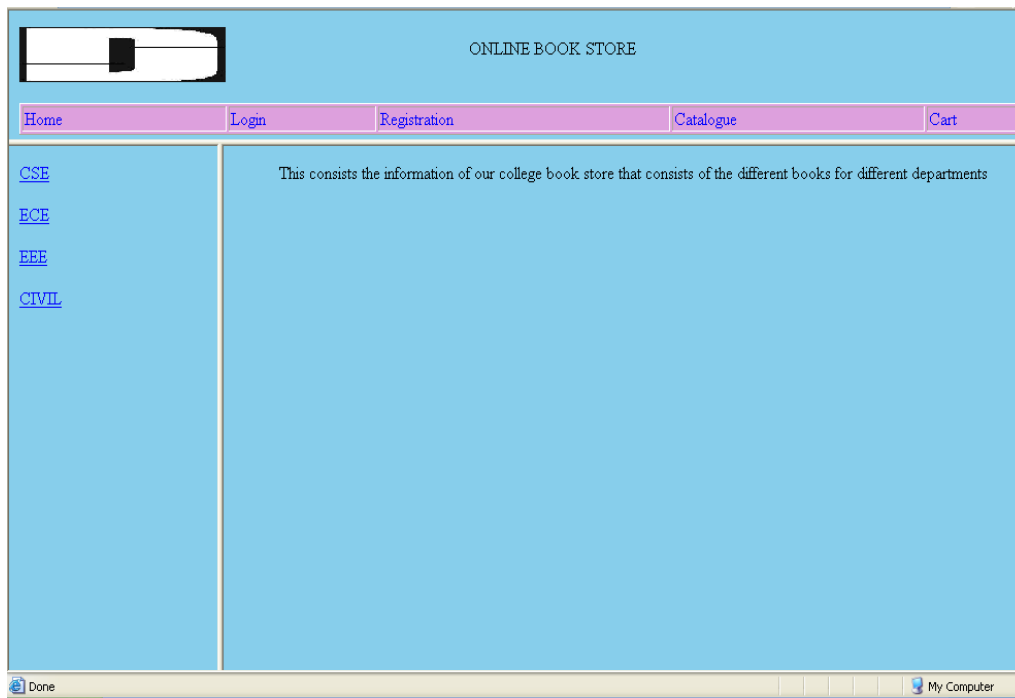
4) cart page:

The cart page contains the details about the books which are added to the cart.

5) registration page:

Create a "registration form "with the following fields

- 1) Name (Text field)
- 2) Password (password field)
- 3) E-mail id (text field)
- 4) Phone number (text field)
- 5) Sex (radio button)
- 6) Date of birth (3 select boxes)
- 7) Languages known (check boxes – English, Telugu, Hindi, Tamil)
- 8) Address (text area)



11. Write JavaScript to validate the following fields of the above registration page.

1. Name (Name should contains alphabets and the length should not be less than 6 Characters).
2. Password (Password should not be less than 6 characters length).
3. E-mail id (should not contain any invalid and must follow the standard pattern name@domain.com)
4. Phone number (Phone number should contain 10 digits only).

12. You will create several files related to a recipe web site for a fictional pie company named Granny's Pies. You need to turn in the following files:


- index.html, the first of two web pages (with an optional CSS style sheet file)
- pie.html, the second of two web pages
- recipe.css, the style sheet for pie.html

The first part of your task is to create a front page (README) for this web site, stored in a file named index.html. Your front page must contain a link to pie.html. The file must also be at least 20 lines long and must contain at least 4 different XHTML elements in its body. It also may not significantly borrow content from your pie.html. Otherwise, this front page can have any appearance you like. If you like, you may use an optional CSS style sheet with this page named index.css and submit it with your other files.

The second (and more substantial) part of the assignment is to recreate a specific web page describing a recipe for lemon meringue pie, stored in a file named pie.html. Unlike index.html, this page is rigidly specified and must exactly match the appearance specified in this document.

For full credit, your files must be uploaded to our web server and must match several stylistic guidelines, all specified in the following sections.

Grandma's Lemon Meringue Pie



One 9-inch pie
30 Min - Prep time
10 Min - Cook time
40 Min - Total
8 Servings

INGREDIENTS

- 1 cup white sugar
- 2 tablespoons all-purpose flour
- 3 tablespoons cornstarch
- 1/4 teaspoon salt
- 1/2 cups water
- 2 lemons, juiced and zested
- 2 tablespoons butter
- 4 egg yolks, beaten
- 1 (9 inch) pie crust, baked
- 4 egg whites
- 6 tablespoons white sugar

DIRECTIONS

1. **Preheat Oven:** Preheat oven to 350 degrees F (175 degrees C).
2. **Make Lemon Filling:** In a medium saucepan ...
 - Whisk together 1 cup sugar, flour, cornstarch, and salt.
 - Stir in water, lemon juice and lemon zest.
 - Cook over medium-high heat, stirring frequently, until mixture comes to a boil.
 - Stir in butter.
 - Place egg yolks in a small bowl and gradually whisk in 1/2 cup of hot sugar mixture.
 - Whisk egg yolk mixture back into remaining sugar mixture.
 - Bring to a boil and continue to cook while stirring constantly until thick.
 - Remove from heat.
 - Pour filling into baked pastry shell.
3. **Make Meringue:** In a large glass or metal bowl ...
 - Whip egg whites until foamy.
 - Add sugar gradually, and continue to whip until stiff peaks form.
 - Spread meringue over pie, sealing the edges at the crust.
4. **Bake:** Bake in preheated oven for 10 minutes, or until meringue is golden brown.

USER COMMENTS

This is a very fun recipe to follow, because Grandma makes it sweet and simple. This pie is thickened with cornstarch and flour in addition to egg yolks, and contains no milk.

- Emilie S.

Q: What do you call an ape who loves pie?



A: A meringue-utan.

- Vickie K.

LINKS

Search for other lemon meringue pie recipes

Home



13. Build a Calculator using HTML form elements and JavaScript.

14. Write a script that calculates the squares and cubes of the numbers from 0 to 10 and outputs XHTML text that displays the resulting values in an XHTML table format, as follows:

Number square cube

0 0 0

1 1 1

2 4 8

3 9 27

4 16 64

5 25 125

6 36 216

7 49 343

8 64 512

9 81 729

10 100 1000

15. Write a program that inputs an encrypted four-digit integer and decrypts it to form the original number.

16. Develop a JavaScript program that will determine the gross pay for each of three employees. The company pays “straight time” for the first 40 hours worked by each employee and pays “time and a half” for all hours worked in excess of 40 hours. You are given a list of the employees of the company, the number of hours each employee worked last week and the hourly rate of each employee. Your program should input this information for each employee, determine the employee’s gross pay and output XHTML text that displays the employee's gross pay. Use prompt dialogs to input the data.

17. Write a script that reads several lines of text and prints a table indicating the number of Occurrences of each different word in the text. The first version of your program should include the words in the table in the same order in which they appear in the text.

Word length	No. Of Occurences of a word
1	3
2	2
3	4
4	1
5	2
6	0

18. Create an HTML Page using Forms for Pizza Order Form and Billing.

19. Create an Online Registration Form for Job Portal.

20. Create a Hospital Web Page with all the required menu and Information and Registration and Login in Form.