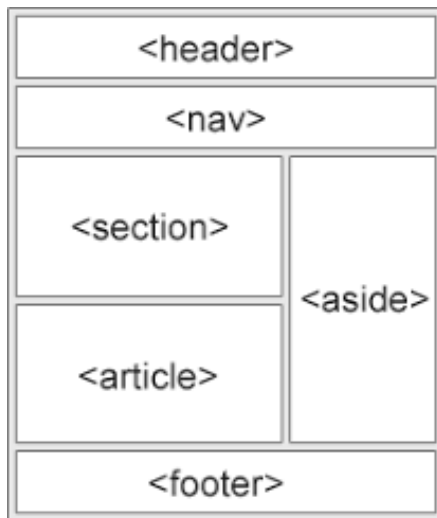


PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004
Department of Applied Mathematics and Computational Sciences
MSc SOFTWARE SYSTEMS – Semester II
18XW28 – Web Designing Lab
PROBLEM SHEET 2 – Form Tags & HTML 5 Tags

Start Date: 17.12.2019

Complete Date: 24.12.2019

1. Create a HTML document shows the sample home page. Use HTML 5 tags to structure the document.

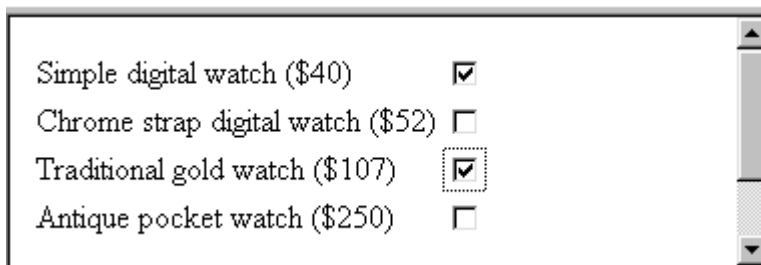


2. Use Image Map tag to show the description about the logo in separate HTML pages.



3. Design a page using Image Map. If the user clicks any region inside the image, display an independent window with relevant information. [Hint: India map and information about each states like Area, Total Population, Mens, Womens, Literacy Rate etc.]

4. Write a HTML code to use <canvas> element to draw rectangle with different color models.
5. Create a page to show the usage of <mark> element in highlighting the contents.
6. Create a simple search form using a search input element in which the user can enter a search query. Using the Firefox web browser, test the form by entering January and submitting the form. Then enter a **J** in the input element to see previous entries that started with J—January should be displayed below the input element. Enter June and submit the form again. Now enter a **J** in the input element to see previous entries that started with J—January and June should be displayed below the input element. Try this with your own search queries as well.
7. Design a web form to incorporate the <input> type controls, email, tel, number, range and color. Use attributes autofocus, autocomplete, pattern, required and others.
8. Write a HTML file to implement various date picker controls and align the controls in the center of the page.
9. Design a HTML document, add these numbered questions and create radio buttons for them.
 - i. Do you like playing computer games? Yes / No
 - ii. How much did you enjoy the 'Star Wars' Trilogy? I enjoyed it / I did not enjoy it / I have not seen it
 - iii. Do you have an email address? Yes / No
 - iv. Chocolate is delicious? strongly agree / agree / neutral / disagree / strongly disagree
 - v. Then create four more questions of your own choice that use radio buttons.
10. Imagine you are developing a website that sells various types of watch. You want to allow customers to select what they want to buy with a set of check boxes, as in the figure below.



The image shows a web form with a list of four watches, each with a checkbox to its right. The watches and their prices are: Simple digital watch (\$40), Chrome strap digital watch (\$52), Traditional gold watch (\$107), and Antique pocket watch (\$250). The checkboxes for 'Simple digital watch' and 'Traditional gold watch' are checked, while the others are unchecked. The form is enclosed in a rectangular box with a vertical scrollbar on the right side.

Simple digital watch (\$40)	<input checked="" type="checkbox"/>
Chrome strap digital watch (\$52)	<input type="checkbox"/>
Traditional gold watch (\$107)	<input checked="" type="checkbox"/>
Antique pocket watch (\$250)	<input type="checkbox"/>

11. Using <iframe> split the page into multiple sections and set the sources. One of section in the page should restrict plugins and scripts.
12. Design a web page to render different 2D Graphics objects (Circle, Rectangle, Line, Ellipse, Polygon, Polyline and Gradients).
13. Design a web page for audio album list to play different types audio files.
14. Design a web page for video album list to play different types video files.

15. Design a web page using appropriate input type and scrolling menus for the following data:

- ✓ Title: Mr / Mrs / Miss/ Ms / Dr
- ✓ Age: under 20 (<19) / 20—29 / 30—39 / 40—49 / 50—59 / over 60(60>)
- ✓ Gender: Male / Female
- ✓ Status: Employed / Unemployed / Student
- ✓ Day: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31
- ✓ Month: January, February, March, April, May, June, July, August, September, October, November, December
- ✓ Year: 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1991, 1992, 1993, 1994, 1995, 1996

16. Design a web page shown below using <form> and <input> tags.

Name:	<input type="text"/>
Address:	<input type="text"/>
City:	<input type="text"/>
State:	<input type="text"/>
Zip:	<input type="text"/>
Magazine:	<input type="text" value="Time"/>
Subscription:	<input type="radio"/> 1 year <input checked="" type="radio"/> 2 years
Additional Comments:	<input type="text"/>
<input type="button" value="Send Your Order"/>	

17. Create an autocomplete input element with an associated datalist that contains the days of the week.

18. Design the form elements used to create the form shown in below figure:

A Simple Form

Form Fundamentals

Customer Info

Name:

Telephone:

Email address:

Books

Quantity (Maximum 5):

When creating the code for your form, you must use the HTML5 tags that are appropriate to replicate the form and fulfill all the specifications listed.

- ✓ Code the form with *autocomplete* active.
- ✓ Use two field sets create the main structure of the form. Your task is to create the field sets, including the names Customer Info and Books.
- ✓ The **Name** field you create should have autofocus, placeholder text, and be required. Don't forget to select the appropriate type for this field as well as all the fields that follow.
- ✓ The **Telephone** field should have placeholder text, a pattern to restrict entry, and be required.
- ✓ The **Email** address field should have placeholder text and allow multiple entries. This field should also be required.
- ✓ The **Books** field should have a data list. You can select the content you would like to list.
- ✓ The **Quantity (Maximum 5)** field should have a minimum value of 1 and a maximum value of 5.

19. Design a workshop registration form using HTML appropriate <input> tags as shown below:

The screenshot shows a 'Workshop Registration' form. At the top, there's a header with the title 'Workshop Registration' and a 'More Actions' dropdown. Below the header, a link says 'Register now while seats are available!'. The form is divided into two main columns. The left column contains fields for 'First Name', 'Last Name', 'Company/Institution', 'Address', 'City', 'State / Province / Region' (a dropdown menu), 'Country' (a dropdown menu), 'Email', and 'Phone Number'. The right column contains a 'Lunch' section with a 'Meal Preference' dropdown (set to 'Vegetarian'), a 'Payment Details' section with 'Payment Mode' (checkboxes for 'Cash', 'Cheque', and 'Demand Draft'), 'DD/Cheque No.', 'Drawn On (Bank Name)', and 'Payable at'. At the bottom right, there are 'Submit' and 'Reset' buttons.

20. Create an on-line job application form. The application form is for a computer company called SpeedyPC who are advertising for computer programmers.

Your form's action should post the application to your email address.

Your application form must have the following elements:

- ✓ Position applied for (autofocus), name, nationality, date of birth (selected from an auto picker), address (in a text area), telephone number and email (required).
- ✓ Educational history and qualifications.
- ✓ Work experience/employment/training in terms of employer history and number of years of experience selected from a slider. Set maximum years of experience to 10 years.
- ✓ Personal statement.
- ✓ Two referees including names, occupation, relationship, address and telephone

Tutorial Exercise:

Design a web page template will test your HTML knowledge whatever you learned so far in the lab. (Total Marks = 10 (Theme (2 Marks) + Knowledge Applied (5 Marks) + Output (3 Marks))

Web Resources:

1. <https://www.quackit.com/html/tutorial/introduction.cfm>
2. <https://www.w3schools.com/html/>
3. <https://www.tutorialspoint.com/html/>
4. <http://htmldog.com/guides/html/>