Lab Exercise 05 – Design and Validate HTML forms

Objectives

By the end of this lab session, you will familiar with form design and form validations.

Introduction

- <form> :This element defines a form that is used to collect user input: Ex -

<form>

   //All form data/elements should include here. </form>

- <input> : element uses to get user inputs. There are different types of inputs based on their type.

   Ex – text (text field), radio (radio buttons), submit (submit button) o

   Text

   <input type = "text"> Displays one-line text field. o Radio

   Buttons

   <input type = "radio">   Defines a radio button.

   To group the radio buttons, it should use **same name attribute value** for all the radio buttons. o Check Boxes

   <input type = "checkbox"> Defines a check box.

   The checkbox is shown as a square box that is ticked (checked) when activated.

- Dropdown List

   <select>   tag defines a drop-down list.

   <option>   tag defines the items which are in the dropdown list.

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Exercise 1: Following is the outcome of today's lab session.

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Shopping Cart

The online shopping store

Home   News   Contact   About

Registration Form

First Name

Last Name

Gender
○ Male   ○ Female
Mobile Number

E-mail Address

Address

Choose your DOB
Choose a date ▼ : Choose a Month ▼ : Choose a Year ▼

Password

Re-enter Password

☐

Accept privacy policy and terms.

Submit

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- Go to the IWT folder structure which you created on the first lab session.

- Create a file named "**register.html**" and save it inside "**IWT/src**" folder.

- Open the "**index.html**" file.

- Link "**register.html**" file to the **Contact** button in the "**index.html**".

- Copy the entire code of "**index.html** and paste it in the **register.html**".

- Delete the content between navigation bar and the footer.

- Fill the following boxes with the relevant style codes for the given activities and edit the "**register.html**" file.

- Add a header named "**Registration Form**".

- Create a form and add following fields inside that form. (All Fields are mandatory).
  Use following link in order to create the fields.

  https://www.w3schools.com/html/html_form_input_types.asp

  o First Name Field

  o Last Name Field

  o Gender

  Should add two radio buttons named "Male" and "Female". Only one button should be able to select.

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o Mobile Number

Length of the field should be 10. A warning should display, when submitting the wrong input values into the field.

o E-mail

A warning should display, when submitting the form without a proper email

format in the email input field.

https://www.w3schools.com/jsref/prop_email_pattern.asp

o Address

It should be a text are which have multiple rows.

https://www.w3schools.com/tags/tag_textarea.asp

o DOB
  ▪ The date dropdown should contain numbers till 1 – 31.
  ▪ The month should contain numbers 1 – 12.
  ▪ The years should contain 1995 – 2005.
    https://www.w3schools.com/tags/tag_select.asp

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o Password

Password should contain

Uppercase letters, lowercase letters, numbers, minimum 5 and maximum 10 characters

https://www.w3schools.com/howto/howto_js_password_validation.asp

o Re-enter Password

- Create a function named '**checkPassword()**' in myScript.js inside the "**IWT/js**" folder

- There it should check whether two passwords are matched or not.

- Then display the given message according to the result.

- In order to call the javascript function, add following attribute in the form *onsubmit="return checkPassword ()"*.

- Password should be similar to the previous password.

o If passwords don't match it should display an alert showing

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"**Password Mismatch!**" o If both passwords are similar it should

display an alert saying

"**Success**!"

This page says

Password Mismatch!

OK

o Checkbox

- Add a checkbox for "**accept privacy policy and terms**".
- In the html file disable the submit button in the beginning.
- Create a function called enableButton() to enable Submit button.
- Call that method when it clicks the checkbox.

Note: Button should be enable only when the checkbox is checked.
https://www.w3schools.com/jsref/prop_pushbutton_disabled.asp
https://www.w3schools.com/howto/howto_js_display_checkbox_text.asp

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- o Create **formStyles .css** file to add proper styles for the form and link it in order to add styles for the form.