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. ○ 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. \circ 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

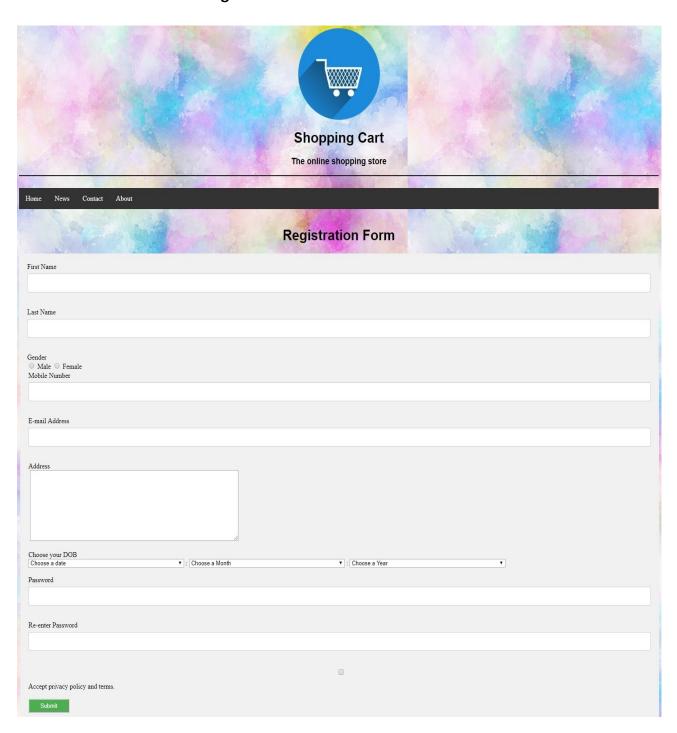
<select> tag defines a drop-down list.

<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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- 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.

Gender

should be able to select.

- 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.

Add a header named "Registration Form".

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

| Create a form and add following fields inside that form Use following link in order to create the fields. https://www.w3schools.com/html/html_form | |
|--|--|
| First Name Field | |
| | |
| | |
| Last Name Field | |
| | |
| | |

Should add two radio buttons named "Male" and "Female". Only one button

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|--------|--|--|--|
| | | | |
| | | | |
| 0 | Mobile Number | | |
| | Length of the field should be 10. A warning should display, when submitting the wrong input values into the field. | | |
| | | | |
| 0 | 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 | | |
| | | | |
| | | | |
| 0 | 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

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 <code>onsubmit=''return checkPassword()''</code>.
 - 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!"

| Γhis 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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• Create **formStyles.css** file to add proper styles for the form and link it in order to add styles for the form.