Forms in HTML

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<form id, name, class, method>  
a) GET  
b) POST  
  
- GET can cache the data  
- caching will save round-trips.  
  
Attributes:  
1. id  
2. name  
3. class  
4. method  
5. action          : indicates the target location where the data need to  
            be submitted.  
  
 Syntax:  
        <form method="post"  action="serverPage">  
  
  Ex:  
        <form method="post" action="page.jsp">  
  
6. novalidate:  It is used to by-pass the default HTML validations.  
  
Syntax:  
        <form method="post"  novalidate>  
        </form>  
  
                Form Elements  
- A comprises of various elements, which are designed by using  
        <input>  
        <select>  
        <option>  
        <optgroup>  
        <meter>  
        <progress>  
        <textarea> etc..  
  
                       TextBox  
                       ======  
- Textbox is used for string input.  
-  String is literal with group of chars, A-Z,0-9, Symbols.  
- Textbox is configure by using  
  
        <input type="text">  
  
Note: <input> element allows to input any value. If you want to restrict to any specific data type like number, email, string etc, then you have to use the attribute "type".  
  
- Text Box attributes  
        1. id  
        2. name  
        3. class  
   
   Note: Every element in form must have a "name" defined.  
            If name is not defined then form can't submit its value.  
  
        4. value  : the default value to display in textbox.  
        5. readonly: It will not allow to change the value.  
                                    But it submits the value.  
        6. disabled : It will not allow to change and submit.  
         
Syntax:  
  <input type="text" name="Username"  disabled  value="john">  
  
        7. size        : It specifies the width of textbox. [20]  
  
Syntax:  
  <input type="text"  name="otp" size="4">  
  
        8. autofocus: It sets focus to the control automatically.  
  
Syntax:  
  <input type="text"  name="opt" size="4" autofocus>  
  
        9. placeholder: It defines the watermark text.  
  
Ex:  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Register</title>  
        <style>  
           .container div {  
               display: inline;  
           }  
        </style>  
    </head>  
    <body>  
        <form>  
            <div class="container">  
                <div>  
                     
                    <input type="text" placeholder="First Name" name="First">  
                </div>  
                <div>  
                    <input type="text" placeholder="Last Name" name="Last">  
                </div>  
                <div>  
                    <button>Register</button>  
                </div>  
            </div>  
        </form>  
    </body>  
</html>  
  
10. minlength  : It validates the minimum number of chars.  
11. maxlength : It validates the maximum number of chars.  
                         It will not allow exceeding chars.  
  
Syntax:  
<input type="text" name="UserName" minlength="4" maxlength="15">  
  
12. required  : It will not allow to submit empty.  
              It is used to define mandatory fields.  
Syntax:  
 <input type="text" name="UserName" required>  
  
13. list         : It uses a data list.  
           data list is used as auto complete text.  
  
Note: Data List is designed by using <datalist>  
         Data list contains options designed by using <option>  
  
   Syntax:  
        <input type="text"  name="search"  list="terms">  
        <datalist id="terms">  
         <option> Term1 </option>  
        </datalist>  
  
  
Ex:  
<!DOCTYPE html>  
<html>  
    <head>  
        <title>Register</title>  
        <style>  
           
        </style>  
    </head>  
    <body>  
        <form align="center">  
           <h2>Google</h2>  
           <input type="text" list="terms" name="search" size="40">  
           <datalist id="terms">  
               <option>JavaScript Tutorial</option>  
               <option>HTML Tutorial</option>  
               <option>CSS Examples</option>  
               <option>JavaScript Examples</option>  
               <option>HTML Examples</option>  
           </datalist>  
           <p>  
               <button>Search</button>  
           </p>  
        </form>  
    </body>  
</html>  
  
14. pattern  : It is used to restrict the format of value enterned             into textbox.  
  
            Pattern uses a Regular Expression.  
  
            <input type="text" pattern="regExp">  
  
           Regular expression is built by using meta chars  
           and quantifiers.  
  
Meta Characters:  
         ?        zero or one occurance of character  
  
                colour  
                color