HTML Forms

- fundamental interaction
- receive input from users
- direct users to serve relevant data

The form tag

- defines the boundary of interactive form elements
- a container
- has form-specific attributes

```
<body>
  <form form-attributes >
    form-content
  </form>
</body>
```

Form attributes

• action: what to do with the form data

```
<form action="target_page">
  form-content
</form>
```

Form attributes

- method: method to submit data
- enctype: encoding to submit data
- autocomplete: user might auto complete
- novalidate: validation is not necessary

Form contents

- form elements
- any other element to be shown

Form elements

• input: a field that users can enter data

Input types

- text
- email
- password
- time
- date
- file, color, range
- radio, checkbox
- submit, button, image
- ..

Input examples: email

Input examples: button

Input examples: checkbox

Input examples: file

Label tag

- labels any form element
- uses for attribute to relate target element's id

```
<form action="target_page">
    <label for="psswd">Enter password</label>
    <input type="password" id="psswd" />
</form>
```

Select and Option tags

- define options that could be selected
- select contains option s

```
<form action="target_page">
    <label for="students">Choose student</label>
    <select id="students">
        <option value="150210123">Ali Can</option>
        <option value="150210456">Veli Kan</option>
        <option value="150210789">Cavi Dan</option>
        </select>
</form>
```

Textarea tag

defines multi-line text input area

```
<form action="target_page">
  <label for="prgrph">Enter your comments</label>
  <textarea id="prgrph" rows="5" cols="40">
    Initial text
  </textarea>
</form>
```

Button tag

defines a button

Output tag

Outputs a calculated result

Form actions

- Forms collect user data
- Data is sent to a server
- Server has the logic to handle data
- Server responds wrt data

```
<form action="http://url.com/respondingPage.php">
    <label for="usrnm">Enter username</label>
    <input type="email" id="usrnm" name="user-email" />
    <label for="psswd">Enter password</label>
    <input type="password" id="psswd" name="user-password" />
</form>
```