Web & Mobile App Development Course
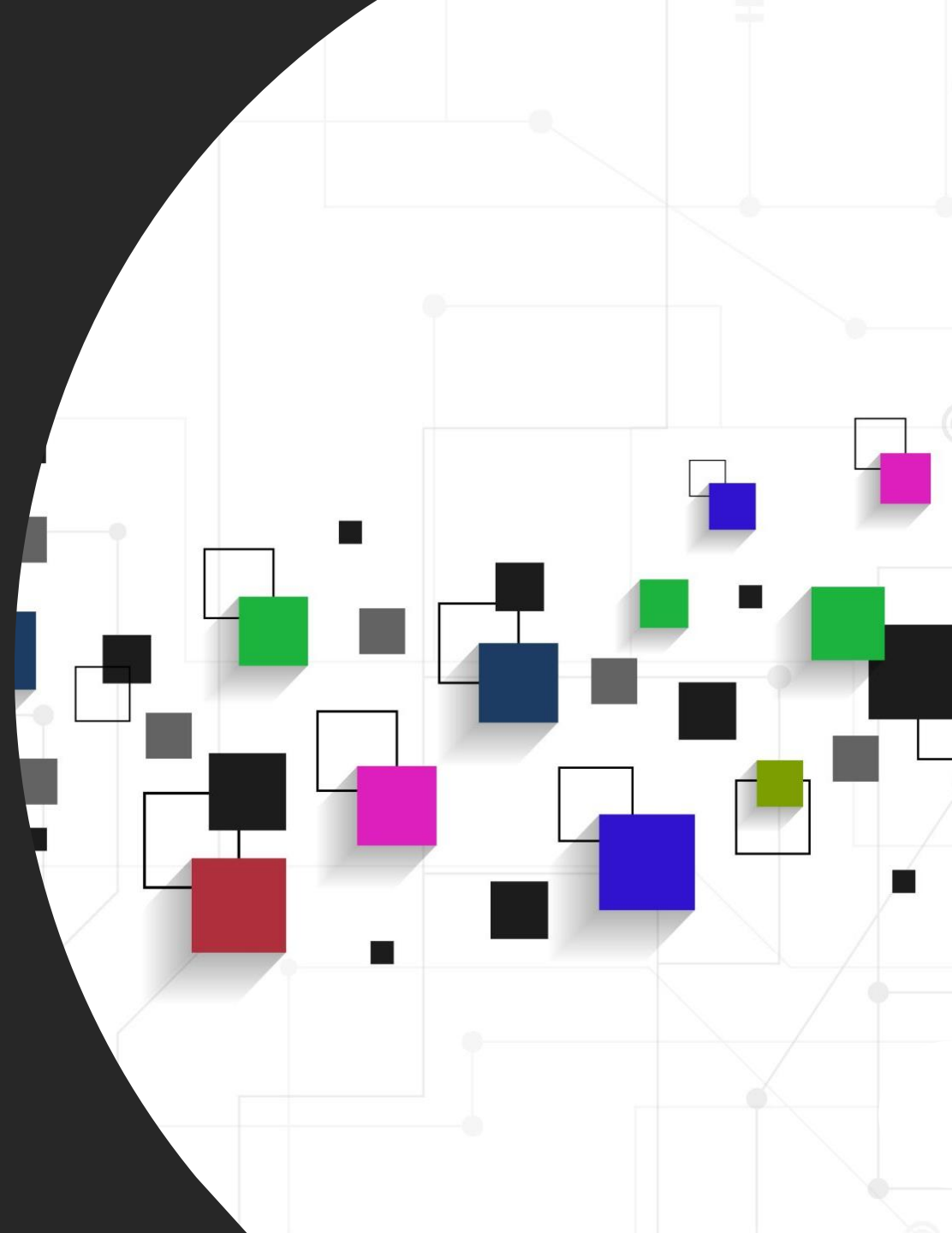
WMA Lec # 12

Input Type Image

The <input type="image"> is an HTML element that creates an image input field.

This input type is used to create a graphical submit button in forms. When the user clicks on the image, the form is submitted, and the coordinates of the clicked point are sent along with the form data.

```
<form action="/submit-form">
  <input type="image" src="submit-button.png" alt="Submit Form">
</form>
```

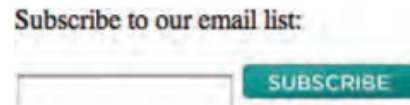Copy code

‹input›

type="image"

If you want to use an image for the submit button, you can give the type attribute a value of image. The src, width, height, and alt attributes work just like they do when used with the ‹img› element (which we saw on pages 99-100).

chapter-07/image-button.html **HTML**

```
<form action="http://www.example.org/subscribe.php">
  <p>Subscribe to our email list:</p>
  <input type="text" name="email" />
  <input type="image" src="images/subscribe.jpg"
    width="100" height="20" />
</form>
```

RESULT

Subscribe to our email list:

[   ] SUBSCRIBE

Input Type Image

Buttons


```html
<form action="http://www.example.com/add.php">
  <button><img src="images/add.gif" alt="add"
    width="10" height="10" /> Add</button>
  <input type="hidden" name="bookmark"
    value="lyrics" />
</form>
```

HTML   chapter-07/button-and-hidden-controls.html

RESULT

The <button> element was introduced to allow users more control over how their buttons appear, and to allow other elements to appear inside the button.

This means that you can combine text and images between the opening <button>tag and closing </button> tag.

Field Set


```
HTML          chapter-07/grouping-form-elements.html

<fieldset>
  <legend>Contact details</legend>
  <label>Email:<br />
  <input type="text" name="email" /></label><br />
  <label>Mobile:<br />
  <input type="text" name="mobile" /></label><br />
  <label>Telephone:<br />
  <input type="text" name="telephone" /></label>
</fieldset>
```

RESULT

Contact details
Email:

Mobile:

Telephone:
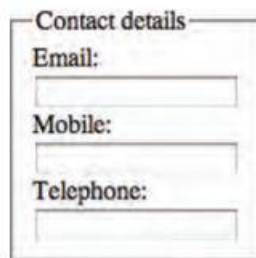
- You can group related form controls together inside the <fieldset> element. This is particularly helpful for longer forms.

- Most browsers will show the fieldset with a line around the edge to show how they are related. The appearance of these lines can be adjusted using CSS.
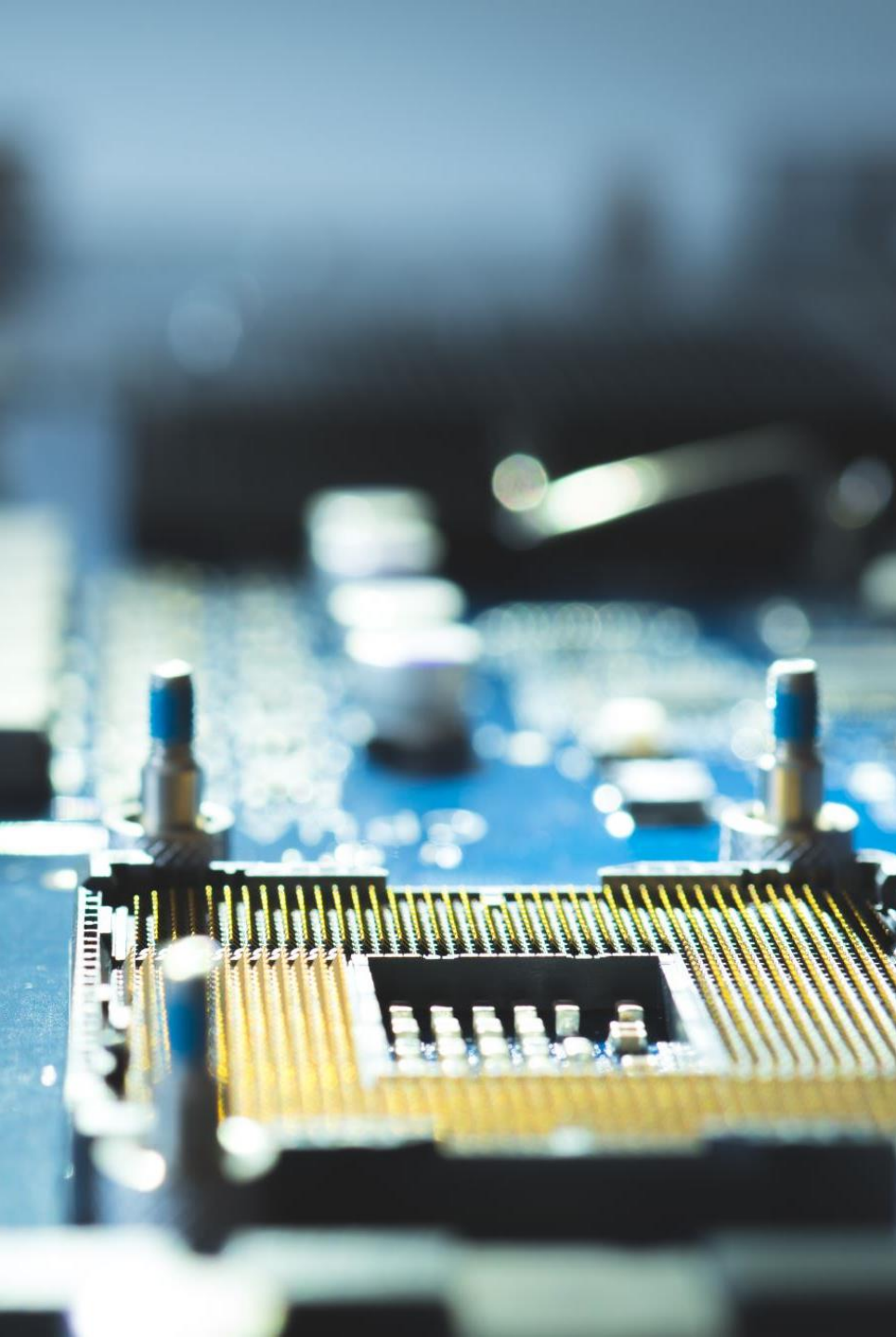
Form Validation

You have probably seen forms on the web that give users messages if the form control has not been filled in correctly; this is known as form validation.

Traditionally, form validation has been performed using. But HTML5 is introducing validation and leaving the work to the browser.

Validation helps ensure the user enters information in a form that the server will be able to understand when the form is submitted. Validating the contents of the form before it is sent to the server the helps:
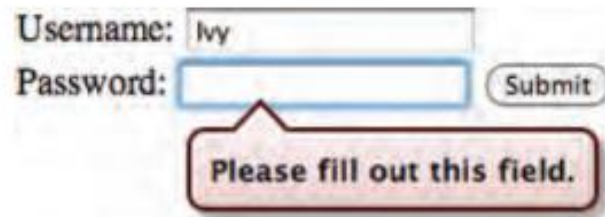
● Reduce the amount of work the server has to do

● Enables users to see if there are problems with the form faster than if validation were performed on the server.

```
chapter-07/html5-form-validation.html                    HTML

<form action="http://www.example.com/login/"
    method="post">
  <label for="username">Username:</label>
  <input type="text" name="username"
    required="required" /></title><br />
  <label for="password">Password:</label>
  <input type="password" name="password"
    required="required" />
  <input type="submit" value="Submit" />
</form>
```
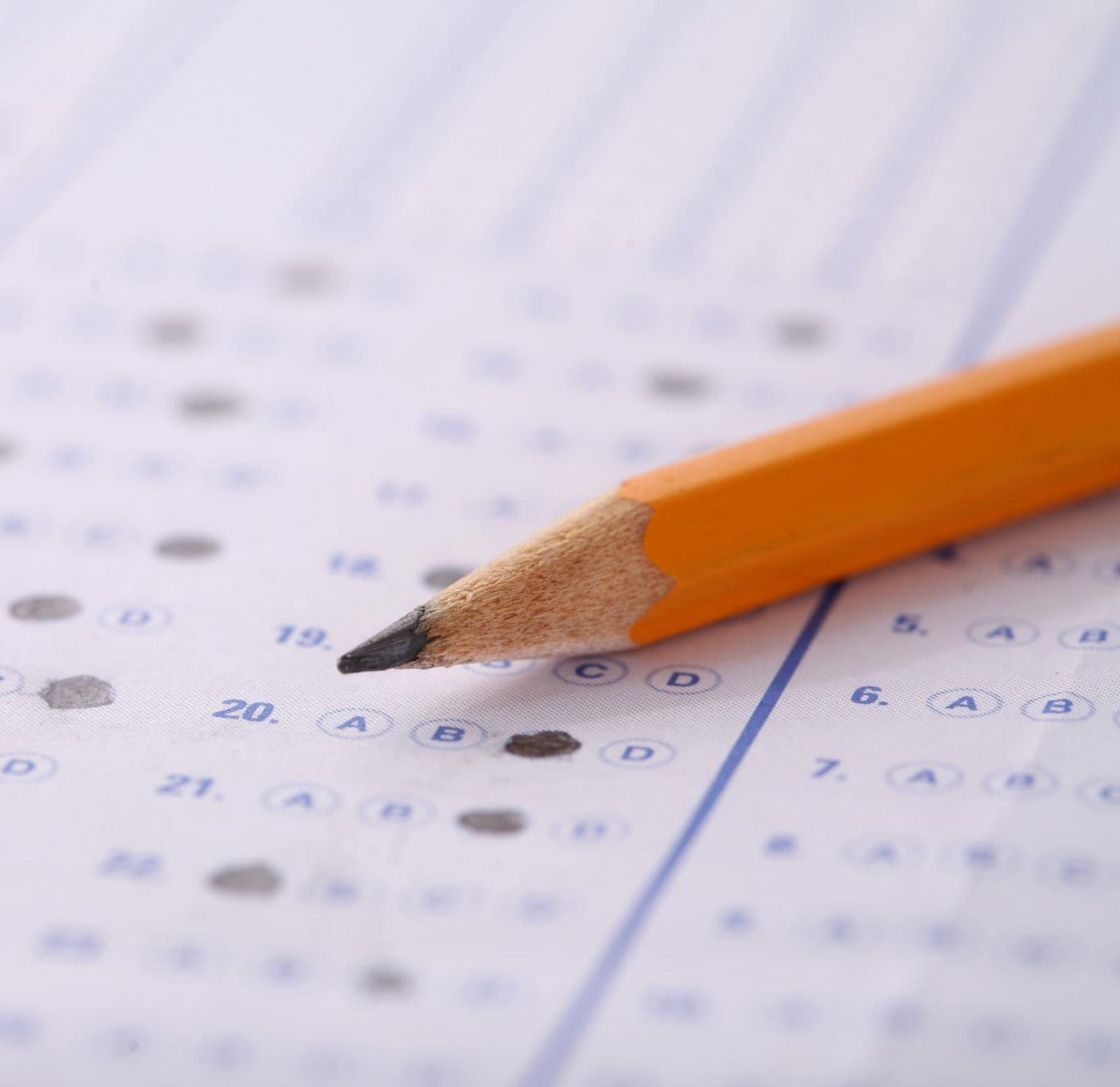
RESULT

Username: Ivy
Password: [   ] Submit

Please fill out this field.

Validation in HTML

We pass an attribute of required.

Validation & Verification in General

Validation

- Ensures that the requirements are satisfied, for example:
- Email format was correct
- Fields were filled.
- Password is Valid / invalid

Verification

- Verification, on the other hand, ensures that it meets the specified requirements.

- Credentials belong to desired user.

- 2-way Authentication is verification.

```html
<form action="http://www.example.com/bookings/"
    method="post">
  <label for="username">Departure date:</label>
  <input type="date" name="depart" />
  <input type="submit" value="Submit" />
</form>
```

HTML

RESULT

Departure date: 2011-06-27 [Submit]

Date Input

Datetime
Date
Datetime-local

---

type="datetime" is not supported in Chrome, Firefox, or Internet Explorer.

Input Type Email

- If you ask a user for an email address, you can use the email input. Browsers that support HTML5 validation will check that the user has provided information in the correct format of an email address.

- Some smartphones also optimize their keyboard to display the keys you are most likely to need when entering an email address (such as the @ symbol).

```
chapter-07/html5-email-input.html          HTML

<form action="http://www.example.org/subscribe.php">
  <p>Please enter your email address:</p>
  <input type="email" name="email" />
  <input type="submit" value="Submit" />
</form>
```

RESULT

Please enter your email address:

ivy| (Submit)

Please enter an email
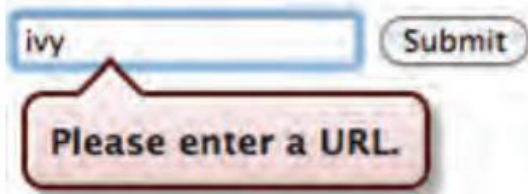address.

Input Email Example

Input Type URL

• A URL input can be used when you are asking a user for a webpage address. Browsers that support HTML5 validation will check that the user has provided information in the format of a URL.

URL Example

Search Input Type

- If you want to create a single line text box for search queries, HTML5 provides a special search input.

Search Example

```
HTML                    chapter-07/html5-search-input.html

<form action="http://www.example.org/search.php">
  <p>Search:</p>
  <input type="search" name="search" />
  <input type="submit" value="Search" />
</form>
```

RESULT

Search:
Thelonius   [Search]

```html
<form action="http://www.example.org/search.php">
  <p>Search:</p>
  <input type="search" name="search"
    placeholder="Enter keyword" />
  <input type="submit" value="Search" />
</form>
```

RESULT

Search:

Enter keyword   Search

Search with Placeholder

Try to Recreate Me

This is an example of an HTML page that uses various elements.

Contact Information

Name: [   ]

Email: [   ]

Phone: [   ]

Upload a file: [Choose file] No file chosen

[Submit]

Additional Information

Password: [   ]

Birthdate: [dd/mm/yyyy]

Favorite Color: [red]

How much do you like HTML? [——————●——]

Are you a robot? ☐

Gender: ○ Male ○ Female

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