Kaitlin Hoffmann

Office Hours:

SH 243

MR 11:00 AM - 1:45 PM and by appointment

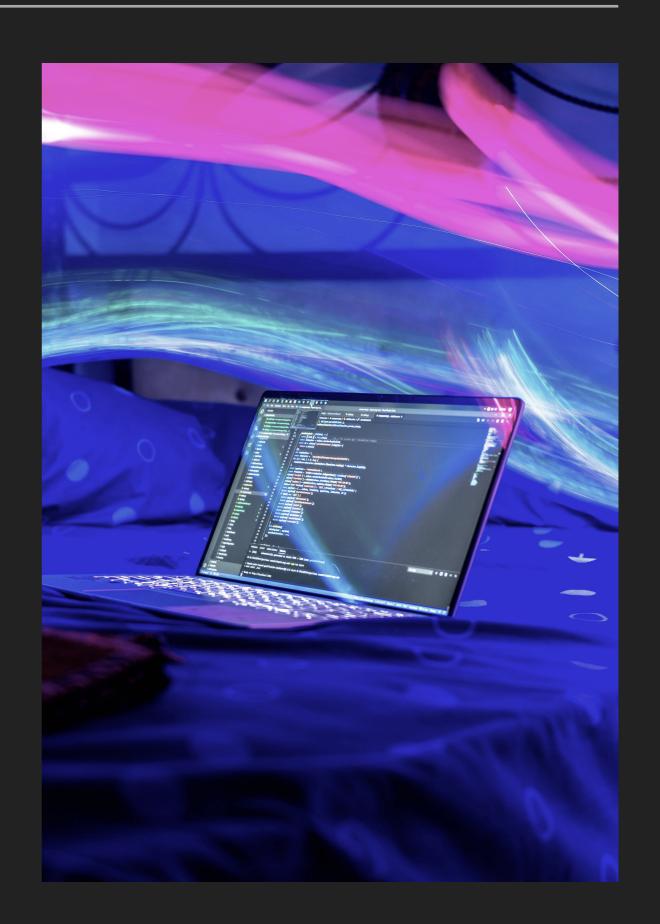
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FORMS AND DYNAMIC WEB PAGES

WEB DEVELOPMENT

OBJECTIVES

- Dynamic Web Pages
- Forms
- Intro to Project

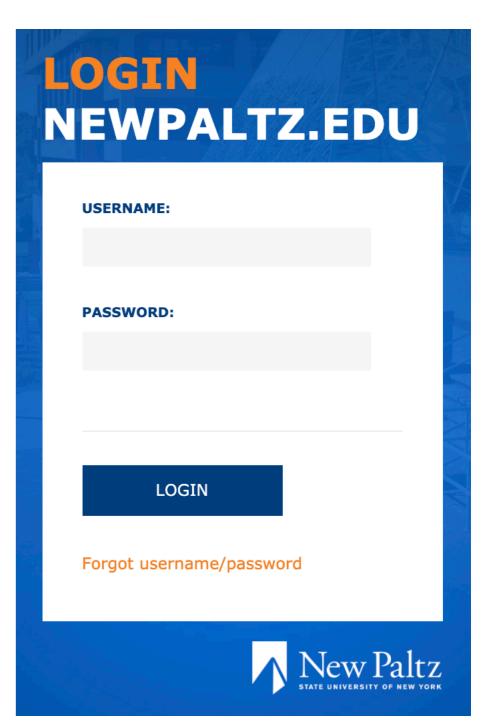


DYNAMIC WEB PAGES - STATIC VS DYNAMIC

- > So far, we have been creating **static** web pages in this course.
- Static web pages look exactly the same for every visitor no matter who visits the web site.
- Dynamic web pages can display different content and provide user interaction, by making use of advanced programming and databases in addition to HTML and CSS.
- Databases hold data for a site in a separate server from where your HTML and CSS files are kept.
 - O **For example**, when a user registers on a site like Facebook, your data (name, email and password) is kept inside a database away from the rest of your files.

DYNAMIC WEB PAGES - THE FORM ELEMENT

- The most important html element that is used for obtaining data from users is the form element.
- You use forms all of the time, whether you are logging into blackboard or registering a new account for a website, those all use a form.
- Even though we'll be creating the form, are pages will still be static until we link them to a server and database!



THE FORM ELEMENT

- We need at least 3 elements to create our form:
 - 1. Form
 - 2. Label (inside the form)
 - 3. Input (inside the form, after the label element)
- The Form has two main attributes, action and method, which we won't be getting into right now. Just know it exists.
- The label just tells the user what each input is for, such as a name, password, email, etc.
- The input element is where users can input their data. Notice how the label's for attribute and the input's id and name attributes are the same.

```
First Name

Last Name

Submit this!!!
```

THE FORM ELEMENT – INPUT

- There are a bunch of input types. We previously saw the submit (creates a button) and the text input (creates a text box).
- You can also have radio buttons, check boxes, and much more.
 Another important input type you should know is the password type.
 - * The password input type will make it so the text can't be seen when written by a user.

This is how the HTML code above will be displayed in a browser:

Username:

khoffmann

Password:

The characters in a password field are masked (shown as asterisks or circles).

A form without styling doesn't look great. Let's use some CSS to make it look better.

First Name	
Last Name	
Submit this!	!!

STYLING OUR FORMS

- Easy ways to style is to add some kind of border (you could even use a box-shadow instead which always looks pretty modern).
- Don't forget to add padding around your form or else it will look smushed.
- The width of a form will take up the entire page since a form is a block level element. To fix this, you can either specify a width, or you can use width: maxcontent;
 - This will force the width to only be wide as the content is.

```
form {
  border: 1px solid ■lightgray;
  border-radius: 5px;
  padding: 20px;
  width: max-content;
}
```

First Name		
Last Name		
Submit this	!!!	

STYLING OUR FORMS

- Still doesn't look amazing, so let's add some padding around our inputs.
- I switched to box-shadow for a more modern look.
- I also added a h2 title inside of our form.



```
input {
  margin: 10px; /* this creates space between each input*/
  padding: 5px; /* this makes the text area larger */
  border-radius: 5px; /* this makes the text area more rounded */
}
```

STYLING OUR FORMS

- Almost there! The button is kind of ugly. We can style that too!
- You can either use a class on the submit button OR you can use an attribute selector. (Don't worry about this on a test, but you may be interested in using it.)
 - * With an attribute selector, you just use brackets which specify the input type inside like the example to the right.

What's Your Name?	
First Name	
Last Name	
SUBMIT THIS!!!	

MUCH BETTER!

First Name

Last Name

Submit this!!!

What's	Your Name?
First Name	
Last Name	
SU	IBMIT THIS!!!

EXAMPLE

Follow along or just watch the demo.

EXERCISE

Under Lecture 3 in folder: File called Exercise on Forms

ASSIGNMENT 3 AND PROJECT RUBRIC

- Be sure to check out the Project Description and Project Rubric under the **Project** tab on Blackboard.
- Assignment 3 is due Thursday 02/17 before class.