

# INTRODUCTION TO HTML

for Flask Project

# Introduction to HTML

- Welcome to the introduction to HTML
- HTML is the main component of what is rendered in the browser
- We'll be working with HTML as we learn to connect it to Flask with Jinja Templating.

# HTML Section Goals

- Understand Basic HTML Tags
- Be able to create HTML templates
- Create Forms with HTML

*If you already feel comfortable with HTML and understand the different HTML tags and how to interact with them, feel free to skip this section!*

# HTML Basics

- Let's learn the absolute basics of an HTML file and how it is structured.
- `<html>`
- `<head>`
  - `<meta>`
  - `<title>`
- `<body>`

# HTML Tagging

- The main components of a website are defined by HTML elements.
- HTML elements have corresponding tags inside an .html file.
- Let's learn the basic tags available!
- `<h1>` ... `<h6>`
- `<p>`
- [More HTML Tags \(w3schools.com\)](https://www.w3schools.com/html/html_tags.asp)
- [More HTML Tags \(developer.mozilla.org - a better reference\)](https://developer.mozilla.org/en-US/docs/Web/HTML/Reference)

# HTML Lists

- Often you will want to display a list of information on a webpage.
  - list results from a Google Search
  - list your contacts on LinkedIn
- Unordered list: `<ul>`
- Ordered list: `<ol>`
- list item: `<li>`

# HTML Attributes

- Some element tags have attributes that you can directly manipulate.
- Such as adding a link or adding a source image.
  - `<a>` : `href`
  - `<img>` : `src` , `alt` , `title` , `width` , `height`
- [More HTML attributes from w3school.com](https://www.w3schools.com/html/html_attributes.asp)
- [From developer.mozilla.org](https://developer.mozilla.org/en-US/docs/Web/HTML/Attributes)

# HTML Forms Basics

- A major function of websites is to accept user information as input.
  - Search
  - Registration Form
  - Any sort of submission to the website



# HTML Forms Basics

- We use the `<form>` tags to set up a form
- Then we add special `<input>` tags to accept user information.
- Every major form element already has a corresponding **input** tag attribute.
- At the end we provide a `"submit"` **input** type to add a **button** for form submission.
- We'll explore how to create these with Flask and Python!

# HTTP Request Methods

- There are two main methods of submitting the form information
  - GET
  - POST
- [More HTTP Methods from w3schools.com](#)

# HTTP Request Method - GET

- **GET** requests a representation of the specified resource.
- With our simple HTML forms, **GET** will send back the information to our *action* URL

# HTTP Request Method - POST

- **POST** submits data to be processed.
- We'll be using **POST** to submit data to the **Web Application** that we create using Flask and Python.

# HTML Forms Selections

- Let's explore a few more form input types that require extra element tags.
- [HTML Input Types](#)