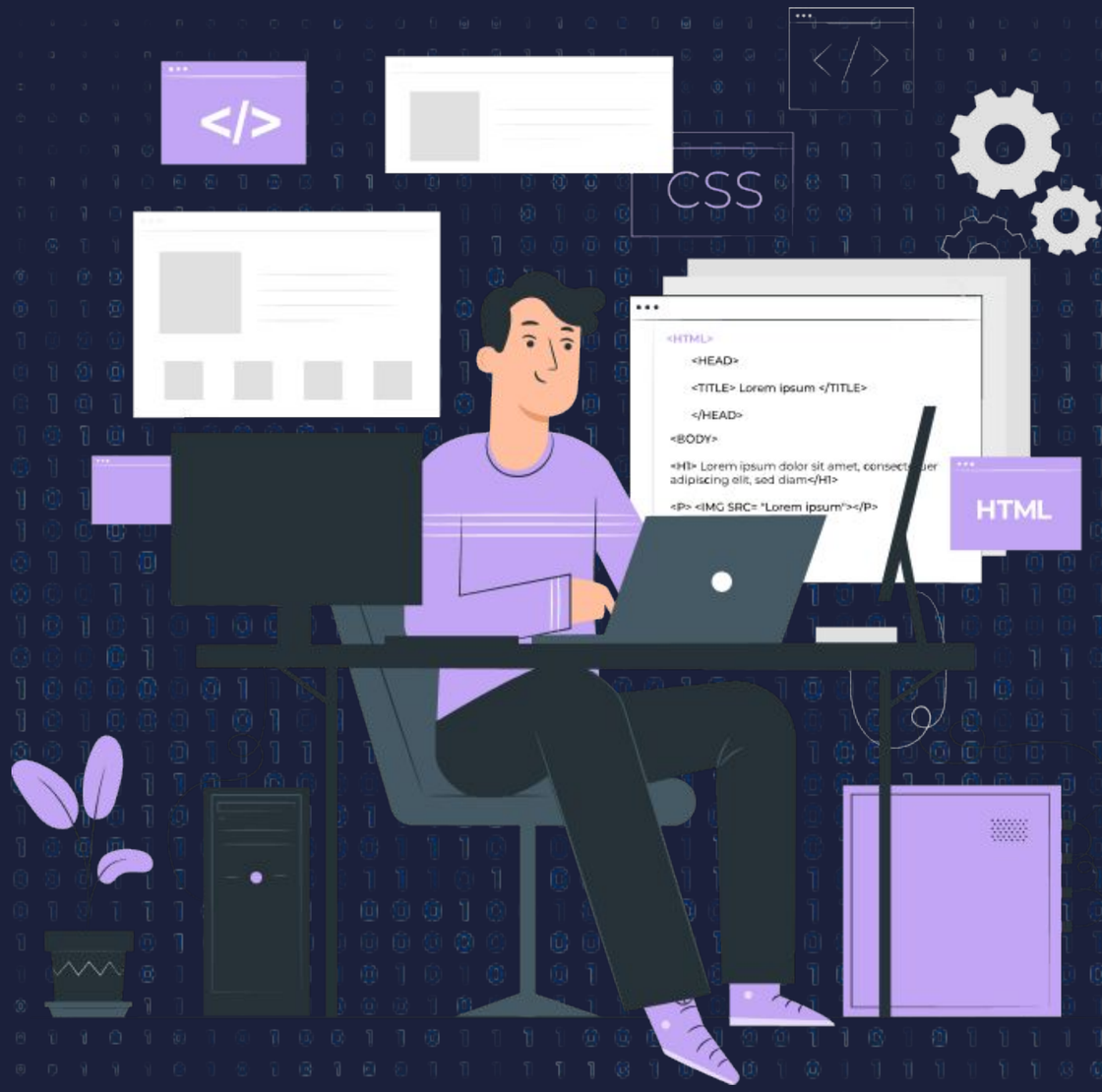
PW SKILLS

Introduction to Tailwind CSS



Topics

- What is CSS Framework
- Why CSS framework over CSS
- What is Tailwind CSS
- Advantages of Tailwind CSS
- Disadvantages of Tailwind CSS
- Understanding the utility first approach to CSS
- Installing and setting up Tailwind CSS in a project

What is CSS Framework

A CSS framework is a pre-written collection of CSS files that provides a set of pre-built CSS classes and styles that you can use to style your HTML elements. Rather than starting every project from scratch, a CSS framework gives them tools to quickly create a user interface that they repeat and tweak during a project. They also enable the creation of more standards-compliant websites.

Why CSS framework over CSS

- Consistency
- Efficiency
- Responsive design

What is Tailwind CSS

Tailwind is a utility-first CSS framework for rapidly building custom user interfaces. It provides a set of pre-built CSS classes to help you quickly and easily style your HTML elements. It is designed to make building and styling websites faster and more efficient.

Advantages of Tailwind CSS

- Faster Development
- Consistency
- Easy Maintenance
- Responsive Design
- Customizable

Disadvantages of Tailwind CSS

- Learning Curve
- Large file size
- Overuse of Classes
- Limited Flexibility
- Limited Browser Support
- Accessibility
- Maintenance

Understanding the utility first approach to CSS

HTML

```
<div class="bg-light-gray p-20px w-500px
m-20px">
  <h1 class="font-20px arial
m-0">Utility-first CSS?</h1>
</div>
```

CSS

```
.bg-light-gray { background-color: lightgray; }
.p-20px { padding: 20px; }
.w-500px { width: 500px; }
.m-20px { margin: 20px; }
.font-20px { font-size: 20px; }
.arial { font-family: Arial; }
.m-0 { margin: 0; }
```

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THANK YOU