



Google Developer Student Clubs  
PIEAS

# Web Development Bootcamp: Intro to CSS

CSS



Abu Bakar

GDSC PIEAS

## What is CSS?

CSS (Cascading Style Sheets) is a language used for describing the presentation of a document written in HTML or XML.

CSS enables you to style and layout web pages, making them visually appealing and user-friendly. Selectors target HTML elements, and properties define how they look.



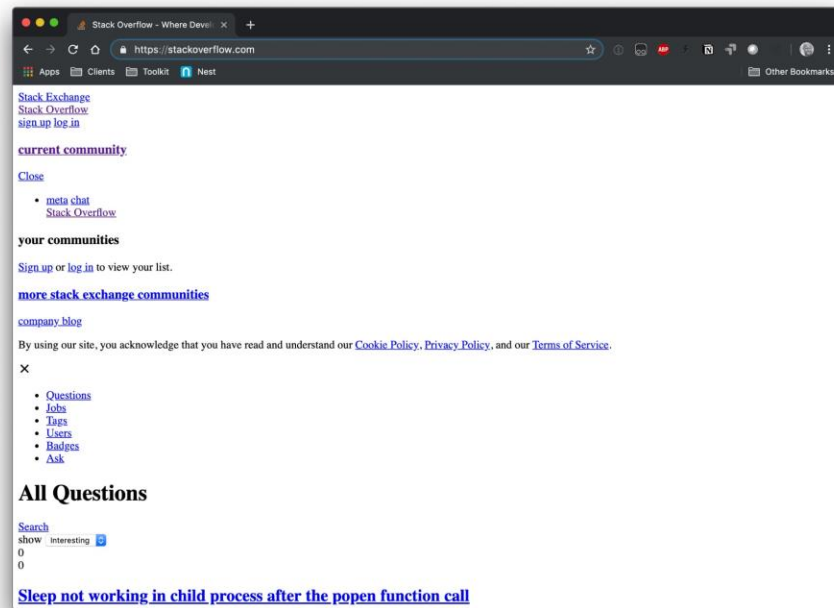
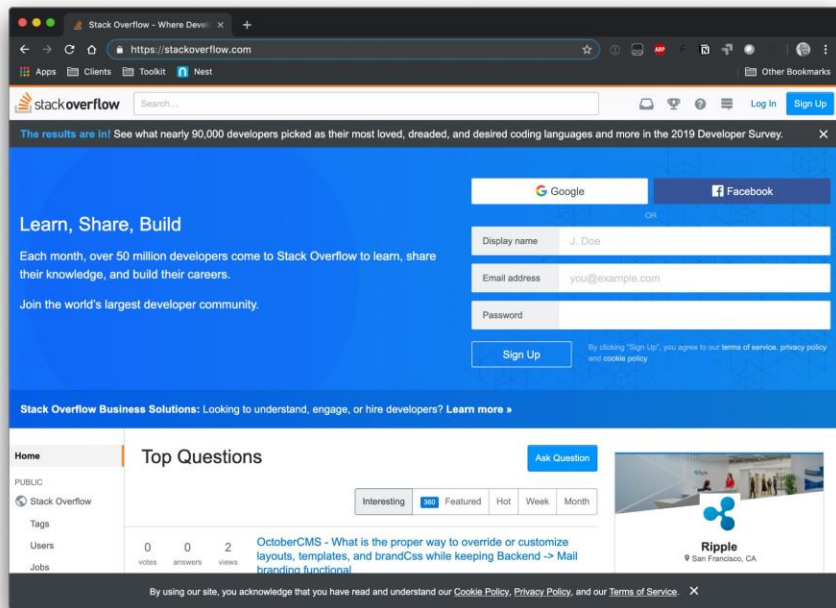
## **HTML**

the structural layer



## **CSS**

the presentational layer



# Basic Styling

1. Colors
2. Fonts
3. Background
4. Text Formatting
5. Borders
6. Padding
7. Margin

**“CSS enables you to style and layout web pages, making them visually appealing and user-friendly. Selectors target HTML elements, and properties define how they look.”**

# Selectors

1. Elements
2. Classes
3. IDs

**“CSS selector selects the HTML element(s) you want to style.”**

# Selectors in CSS

## Element Selector

```
h2 {  
  color: #c70039 ;  
}
```

## Universal Selector

```
* {  
  color: #c70039 ;  
}
```

## ID Selector

```
#content {  
  color: #6E4253;  
  font-size: 15px;  
}
```

## Class Selector

```
.main {  
  margin-top: 10px  
  margin-bottom: 10px  
}
```

# Basic Styling

```
body{  
  color: #333;  
  font-family: 'Arial', sans-serif;  
  background-color: #f7f7f7;  
  border: 1px solid #ccc;  
}
```



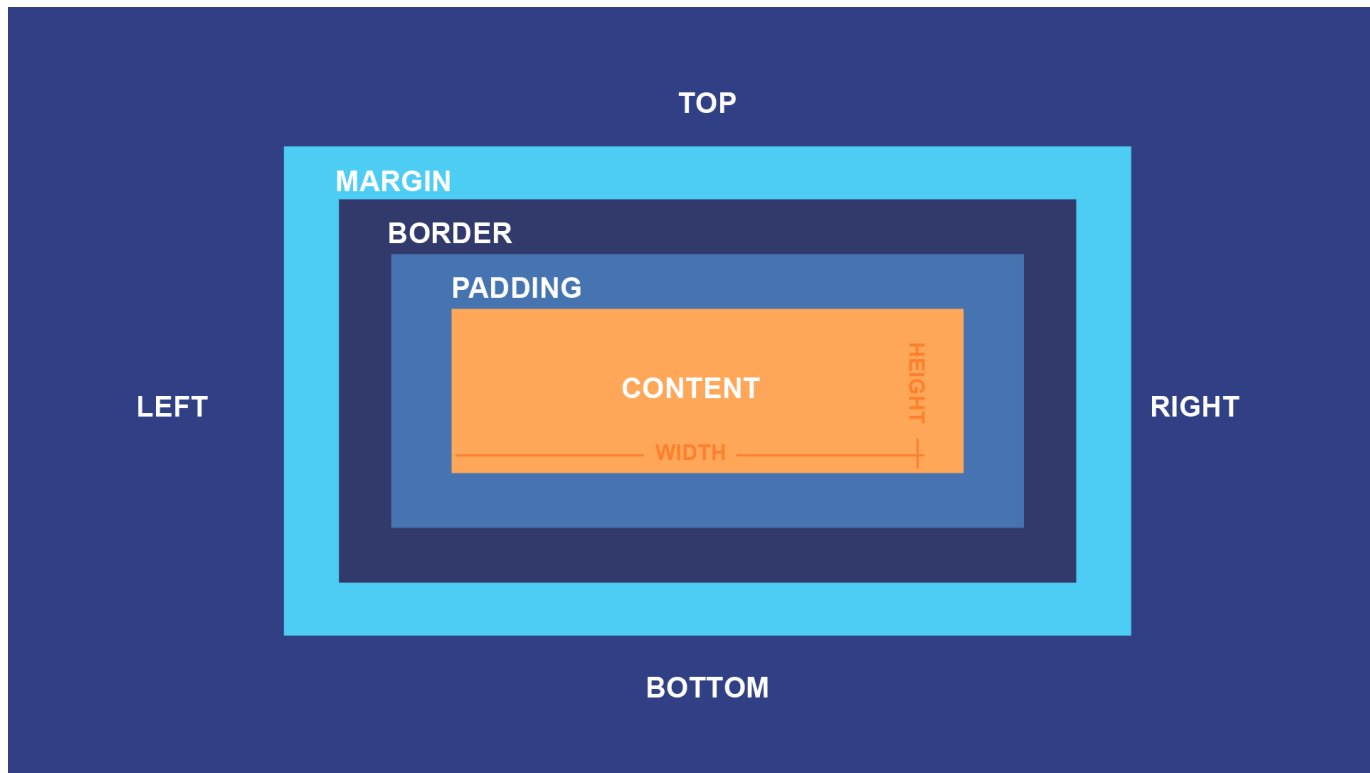
Google Developer Student Clubs

PEAS

```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Campo  
        style: TextStyle(  
          fontWeight: FontWeig  
      ),  
    ),  
  ],  
)
```



# Box Model



## Box Model

**“The CSS box model is a container that contains multiple properties including borders, margin, padding, and the content itself.”**

# Box Model

```
.box {  
  width: 200px;  
  height: 100px;  
  padding: 10px;  
  border: 2px solid #555;  
  margin: 20px;  
}
```



Google Developer Student Clubs

PEAS

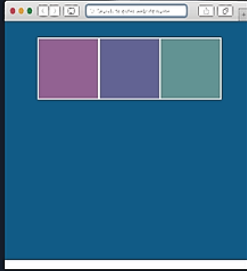
```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Campo  
        style: TextStyle(  
          fontWeight: FontWeig  
      ),  
    ),  
  ],  
),  
),  
)
```

# Positioning

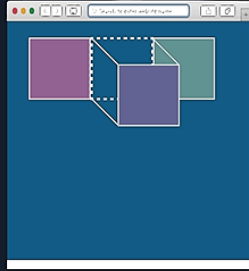
**“The position property specifies the type of positioning method used for an element (static, relative, fixed, absolute or sticky).”**

# Positioning

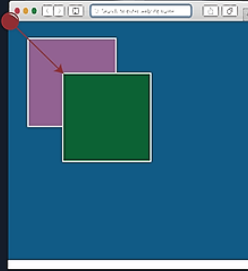
## CSS Position Property



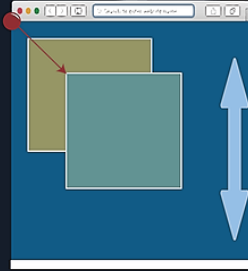
Static



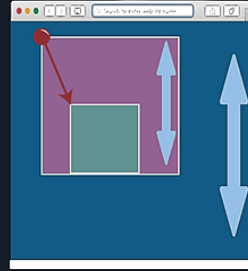
Relative



Absolute



Fixed



Sticky

# Positioning

1. Static
2. Absolute
3. Relative
4. Fixed
5. Sticky

“Imagine it as arranging puzzle pieces. **Static** follows the normal flow without any positioning adjustments, **Absolute** positioning places elements precisely without influencing others, **Relative** adjusts based on its original position, **Fixed** remains static even when you scroll, and **Sticky** combines the best of both worlds by staying in place until a certain point.”

# Static

```
.pelement{  
  position: static;  
  left: 10px;  
  bottom: 10px;  
}
```



Google Developer Student Clubs

PEAS

```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Campo  
        style: TextStyle(  
          fontWeight: FontWeig  
      ),  
    ),  
  ],  
)
```

# Absolute

```
.pelement{  
  position: absolute;  
  left: 10px;  
  bottom: 10px;  
}
```



Google Developer Student Clubs

PEAS

```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Camp  
        style: TextStyle(  
          fontWeight: FontWe  
      ),  
    ),  
  ],  
)
```



# Relative

```
.pelement{  
  position: relative;  
  left: 10px;  
  bottom: 10px;  
}
```



Google Developer Student Clubs

PEAS

```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Camp  
        style: TextStyle(  
          fontWeight: FontWe  
      ),  
    ),  
  ],  
)
```

# Fixed

```
.pelement{  
  position: fixed;  
  bottom: 10px;  
  left: 10px;  
}
```



Google Developer Student Clubs

PEAS

```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Campo  
        style: TextStyle(  
          fontWeight: FontWeig  
      ),  
    ),  
  ],  
),  
),  
)
```

# Sticky

```
.pelement{  
  position: sticky;  
  top: 10px;  
}
```



Google Developer Student Clubs

PEAS

```
/*1*/  
child: Column(  
  crossAxisAlignment: CrossAxisAlignment.  
  children: [  
    /*2*/  
    Container(  
      padding: const EdgeInsets.  
      child: const Text(  
        'Oeschinen Lake Campo  
        style: TextStyle(  
          fontWeight: FontWeig  
      ),  
    ),  
  ],  
),  
),  
)
```