

HTML Boilerplate

What is a boilerplate?

Boilerplate code in HTML is required to set up the basic web page structure. This web page structure is the same for all web pages in general.

```
<html>
  <head>
    <title></title>
  </head>
  <body>
    Body Content
  </body>
</html>
```

Automatic boilerplate generation in different Text Editors

Text editors can produce HTML boilerplate for us. The basic boilerplate generated (as shown above) will always stay the same across all text editors.

Although different text editors may produce some extra code as well apart from the basic boilerplate as shown above. Below is the boilerplate which appears on

VS Code:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
</head>
<body>

</body>
</html>
```

1. **<!DOCTYPE html>**: This declaration defines the document type and version of HTML being used. In this case, it's HTML5.
2. **<html lang="en">**: This opening tag indicates the beginning of the HTML document. The lang attribute is set to "en" (English), indicating the primary language of the document. It helps browsers and search engines understand the language of the content.
3. **<head>**: This section contains meta-information about the HTML documents, such as character set, viewport settings, and title.
 - **<meta charset="UTF-8">**: Specifies the character encoding for the document. UTF-8 is a widely used character encoding that supports a broad range of characters.
 - **<meta name="viewport" content="width=device-width, initial-scale=1.0">**: Configures the viewport settings for responsive web design. It ensures that the width of the page is set to the device's screen width, and the initial zoom level is set to 1.0.
 - **<title>Document</title>**: Sets the title of the HTML document, which is typically displayed in the browser's title bar or tab.

4. **<body>**: This is the main content of the HTML document. You would place your actual webpage content within the opening and closing `<body>` tag.

Conclusion

In summary, the provided HTML boilerplate sets up the basic structure of an HTML5 document, specifying the document type, language, character encoding, viewport settings, and title. The actual content of the webpage would be placed within the `<body>` section.

References

- [https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction to HTML/The head metadata in HTML](https://developer.mozilla.org/en-US/docs/Learn/HTML/Introduction_to_HTML/The_head_metadata_in_HTML)