



A Front-End Web Page Using HTML and CSS

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1. ABSTRACT

In today's digital world, streaming platforms like Netflix have revolutionized the way content is delivered and consumed. With a strong emphasis on user interface and experience, these platforms set a high standard for modern web design. This project aims to recreate the Netflix homepage layout using only HTML and CSS, without involving any scripting languages or backend technologies. The primary goal of this project was to gain a thorough understanding of front-end development fundamentals, while attempting to emulate the look and feel of a globally recognized platform. The project involved designing various sections such as a visually striking hero banner, a call-to-action form with an email input field, a FAQ section. The design also focused on color schemes, typography, spacing, and alignment to closely match Netflix's minimalist and user-focused design philosophy.

Keywords: HTML, CSS, Web Page

2. INTRODUCTION

2.1 Overview of Streaming Platforms Like Netflix

Over the past decade, video streaming platforms have transformed the way users consume entertainment. Services like Netflix, Amazon Prime Video, Disney+ Hotstar, and Hulu have replaced traditional cable television by offering on-demand access to a wide range of movies, TV shows, documentaries, and original content. Among them, Netflix stands as a pioneer and global leader in the OTT (Over-the-Top) space. This project involves building a static front-end layout inspired by the Netflix homepage using only HTML and CSS.

The front-end layout designed includes:

- A full-width hero banner with marketing text similar to Netflix's original landing page
- A prominent email input form and "Get Started" button to simulate a sign-up CTA
- A dark-themed, modern layout that reflects Netflix's brand identity
- A structured FAQ section that provides answers to commonly asked questions

2.2 Importance of Web Development Basics

Key Reasons Why Web Development Basics Are Important:

1. Foundation of All Websites:
HTML provides the structure of web content, while CSS is used to style and layout that content.
2. Design Thinking & Layout Planning:
Learning these basics helps developers think critically about layout design, alignment, and spacing.

3. Practical Application in Real-World Projects:

Building a static version of a streaming platform like Netflix using HTML and CSS helps learners implement foundational concepts in a realistic project scenario.

4. Collaboration & Career Readiness:

A solid understanding of front-end basics improves communication with designers, backend developers, and clients.

3. TOOLS AND TECHNOLOGIES USED

This project was developed using basic yet essential tools and technologies from the front-end web development stack.

3.1 Technologies Used

• HTML5 (HyperText Markup Language):

Used for structuring the web page with elements such as headings, forms, sections, and layout containers.

• CSS3 (Cascading Style Sheets):

Used for styling the HTML content — including layout formatting, color schemes, font customization, positioning, spacing, and hover effects.

3.2 Development Tools

• Visual Studio Code (VS Code):

A lightweight code editor used to write and manage HTML and CSS efficiently. It supports extensions and live previews.

• Live Server Extension (VS Code Plugin):

Enabled real-time preview of the project in a web browser during development.

• Web Browsers (Google Chrome / Microsoft Edge):

Used for viewing, testing, and debugging the layout and responsiveness of the project.

4. PROJECT LAYOUT AND FEATURES:

This project features a static front-end replica of the Netflix homepage, designed using only **HTML and CSS**.

4.1 Page Layout Overview

The homepage is divided into the following major sections:

4.1.1 Hero Section

- A bold banner with the heading: *"Unlimited movies, TV shows and more"*
- Supporting tagline: *"Watch anywhere. Cancel anytime."*
- Includes an **email input field** and a **"Get Started"** button that simulate a sign-up interface

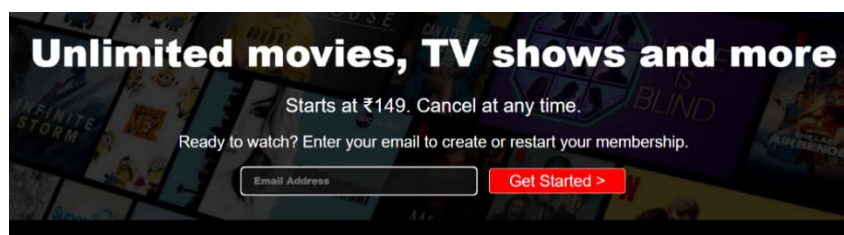


Fig: Hero-Section

4.1.2 FAQ Section

- Labeled "Frequently Asked Questions"
- Contains multiple common user questions styled as individual blocks
- Cleanly spaced and aligned using CSS for readability

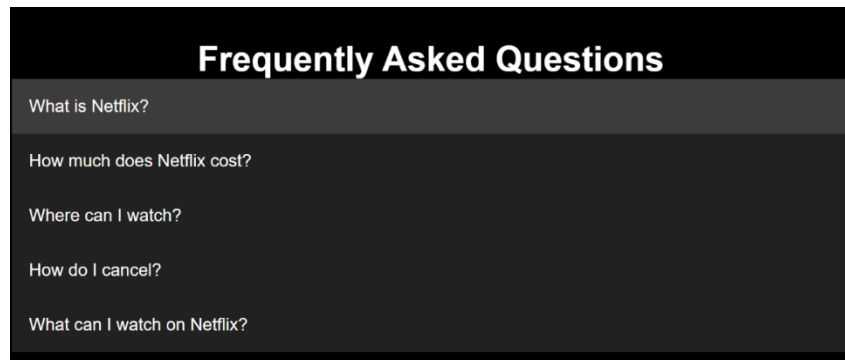


Fig: FAQ Section

4.2 Features Implemented

Feature	Description
 Dark Theme	Consistent black/dark background with white text — matching Netflix's brand style
 Hero Banner	Full-width main banner with centred text and call-to-action
 Email Input Form	Styled input field and "Get Started" button to mimic subscription flow
 FAQ Section	Block-style questions, neatly spaced with padding and margins
 Static Design	No JavaScript; built purely with HTML and CSS for simplicity and clarity

5. CODE AND DESIGN IMPLEMENTATION

The Netflix Homepage Replica project was developed using HTML5 for structure and CSS3 for styling.

5.1 HTML Structure Implementation

- HTML provides the foundation of the web page layout.
- Key HTML elements used include:
 - <header>, <section>, <footer> – for semantic structuring.
 - <h1>, <p>, and <form> – for headings, text, and user input.
 - <input> and <button> – simulate user login/signup interactions.
- The layout is split into two primary sections:
 - A hero/banner section with marketing text and an email form.
 - A Frequently Asked Questions (FAQ) section styled as cards.

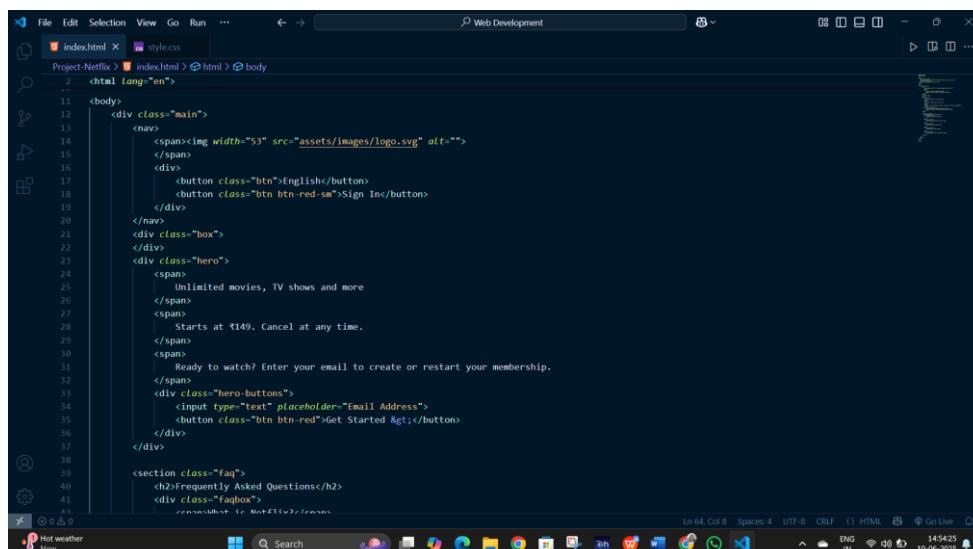
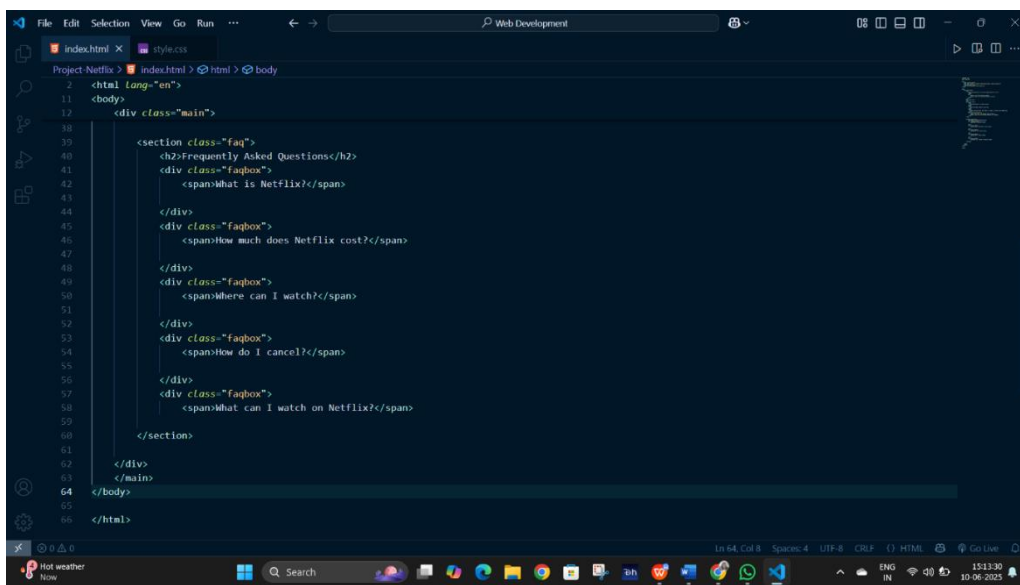


Fig: HTML Code for Hero-Section



```

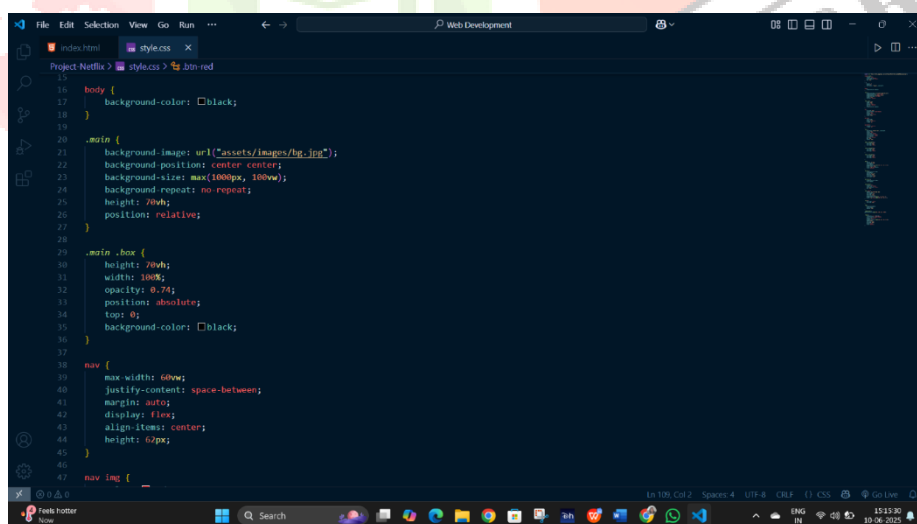
1  <html lang="en">
2  <body>
3    <div class="main">
4      <section class="faq">
5        <h2>Frequently Asked Questions</h2>
6        <div class="faqbox">
7          <span>What is Netflix?</span>
8        </div>
9        <div class="faqbox">
10         <span>How much does Netflix cost?</span>
11       </div>
12       <div class="faqbox">
13         <span>Where can I watch?</span>
14       </div>
15       <div class="faqbox">
16         <span>How do I cancel?</span>
17       </div>
18       <div class="faqbox">
19         <span>What can I watch on Netflix?</span>
20       </div>
21     </section>
22   </div>
23 </body>
24 </html>

```

Fig: HTML Code for FAQ Section

5.2 CSS Styling Implementation

- The external CSS file is used to control:
 - Page layout using Flexbox.
 - Font choices, text alignment, spacing, and hover effects.
 - A dark-themed aesthetic that reflects Netflix's branding.
- The design ensures visual consistency, with:
 - Centered content in the hero section.
 - Padded, boxed FAQ entries.
 - A prominent "Get Started" button.



```

1  body {
2    background-color: black;
3  }
4
5  .main {
6    background-image: url("assets/images/bg.jpg");
7    background-position: center center;
8    background-size: max(1000px, 100vw);
9    background-repeat: no repeat;
10   height: 70vh;
11   position: relative;
12 }
13
14 .main .box {
15   height: 70vh;
16   width: 100%;
17   opacity: 0.74;
18   position: absolute;
19   top: 0;
20   background-color: black;
21 }
22
23 nav {
24   max-width: 60vw;
25   justify-content: space-between;
26   margin: auto;
27   display: flex;
28   align-items: center;
29   height: 60px;
30 }
31
32 nav img {
33
34 }

```

Fig: CSS code for layout and dark theme.

```

59 .hero {
60   font-family: 'Marital Sans', sans-serif;
61   height: 100%;
62   display: flex;
63   align-items: center;
64   justify-content: center;
65   flex-direction: column;
66   color: white;
67   position: relative;
68   gap: 20px;
69   padding: 10px;
70 }
71
72 .hero>:nth-child(1) {
73   font-weight: 900;
74   font-size: 40px;
75   text-align: center;
76 }
77
78 .hero>:nth-child(2) {
79   font-weight: 400;
80   font-size: 24px;
81   text-align: center;
82 }
83
84
85 .hero>:nth-child(3) {
86   font-weight: 400;
87   font-size: 20px;
88   text-align: center;
89 }
90

```

Fig: CSS Code for Hero Section – font choice, size and alignments.

```

92 .btn {
93   padding: 5px 8px;
94   font-weight: 400;
95   color: white;
96   background-color: rgba(248, 243, 243, 0.021);
97   border-radius: 4px;
98   border: 1px solid white;
99   cursor: pointer;
100 }
101
102 .btn-red {
103   background-color: red;
104   color: white;
105   padding: 5px 24px;
106   font-size: 20px;
107   border-radius: 4px;
108   font-weight: 400;
109 }
110
111 .btn-red-sm {
112   background-color: red;
113   color: white;
114 }
115
116 .hero-buttons {
117   display: flex;
118   align-items: center;
119   justify-content: center;
120   gap: 10px;
121 }
122
123 .main input {
124

```

Fig : CSS code for Hero Section – Styling of texts and background.

```

123 .main input {
124   background-color: rgba(23, 23, 23, 0.7);
125   border: 1px solid rgba(246, 238, 238, 0.5);
126 }
127
128 .faq h2 {
129   text-align: center;
130   font-size: 40px;
131 }
132
133 .faq {
134   background: black;
135   color: white;
136   padding: 34px;
137 }
138
139 .faqbox: hover {
140   background-color: rgba(128, 128, 128, 0.469);
141 }
142
143 .faqbox {
144   transition: all 1s ease-out;
145   justify-content: space-between;
146   align-items: center;
147   display: flex;
148   background-color: rgba(128, 128, 128, 0.255);
149   padding: 24px;
150   font-size: 24px;
151   max-width: 800px;
152   margin: auto;
153   cursor: pointer;
154 }
155

```

Fig : CSS code for FAQ Section.

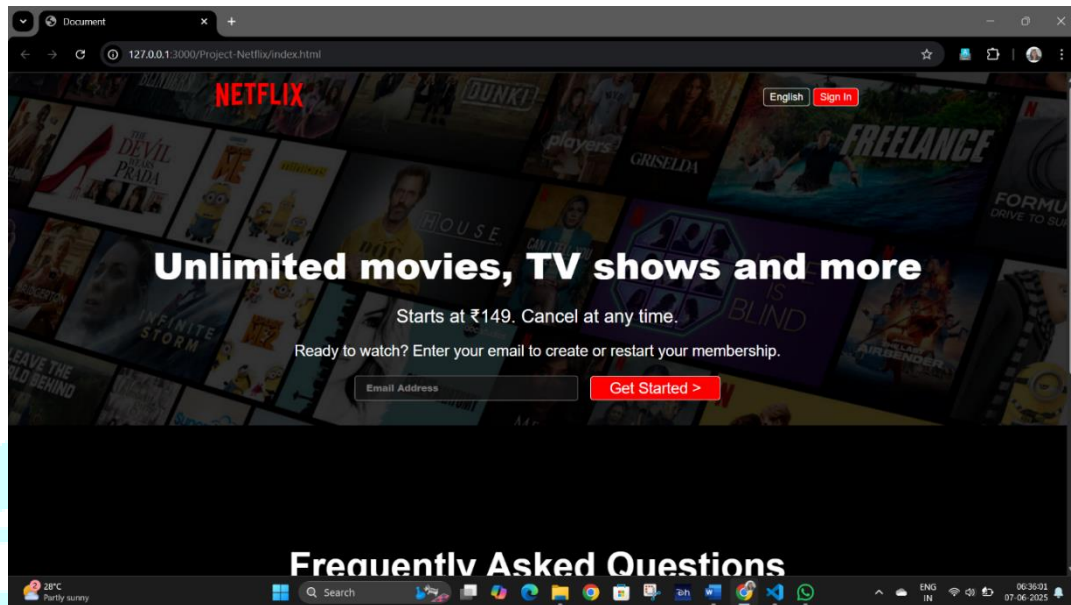
6. RESULTS

Final Output Highlights:

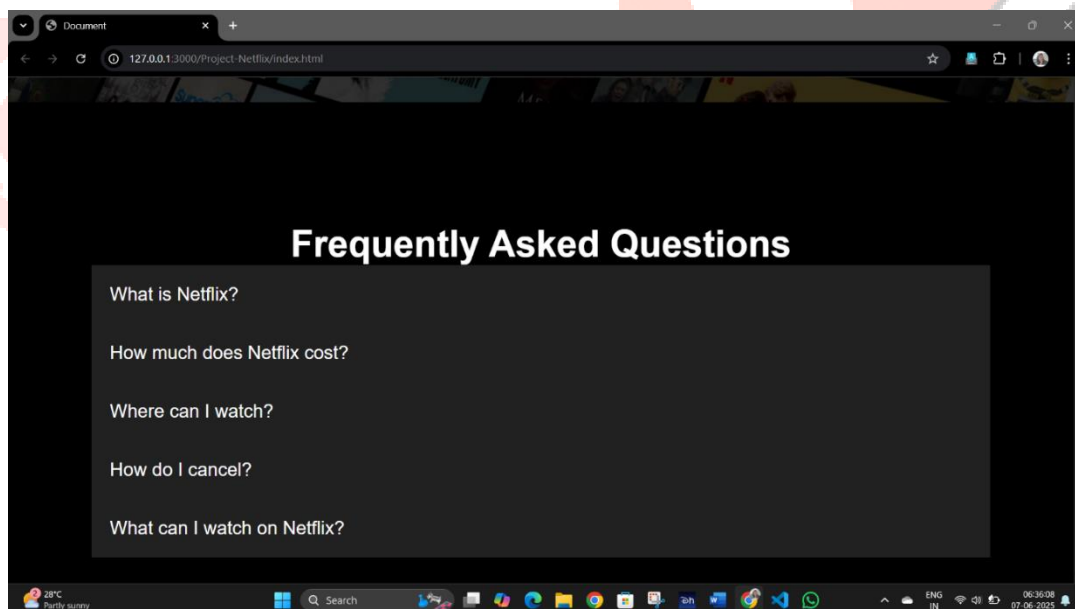
• Hero Section:

A visually engaging banner with bold headings and a clear call-to-action, closely resembling the Netflix original homepage.

- ✉ **Email Input Field and CTA Button:**
A centered form encouraging the user to “Get Started”, mimicking the signup interface (static, non-functional).
- ❓ **FAQ Section:**
A clean, well-aligned Frequently Asked Questions section with individual cards styled using CSS.
- 🎬 **Dark Themed Design:**
The page maintains a Netflix-inspired color scheme with a black background and white/red text elements for contrast and clarity.



Fig; Final view of Hero Section with heading and form



Fig; Final view of FAQ Section

7. CONCLUSION:

This project effectively illustrates how to use HTML and CSS, two fundamental web development technologies, to produce a visually appealing and organized static webpage. The project gave participants invaluable practical experience creating real-world web interfaces with just front-end tools by imitating the homepage of a well-known streaming service like Netflix. Important design concepts like layout structure, typography, visual hierarchy, and theming were successfully implemented during this process.

References:

1. [Google Search](#) – For general web development queries
2. [W3Schools](#) – For HTML & CSS syntax and examples
3. Personal understanding and practical application of HTML & CSS concepts

