



LOVELY
PROFESSIONAL
UNIVERSITY

CA-1

CAP-785

WEB PERFORMANCE OPTIMIZATION

Submitted by -

NAME: Naseem Akhtar

REG NO: 12401725

SECTION: D2422

ROLL NO: 30

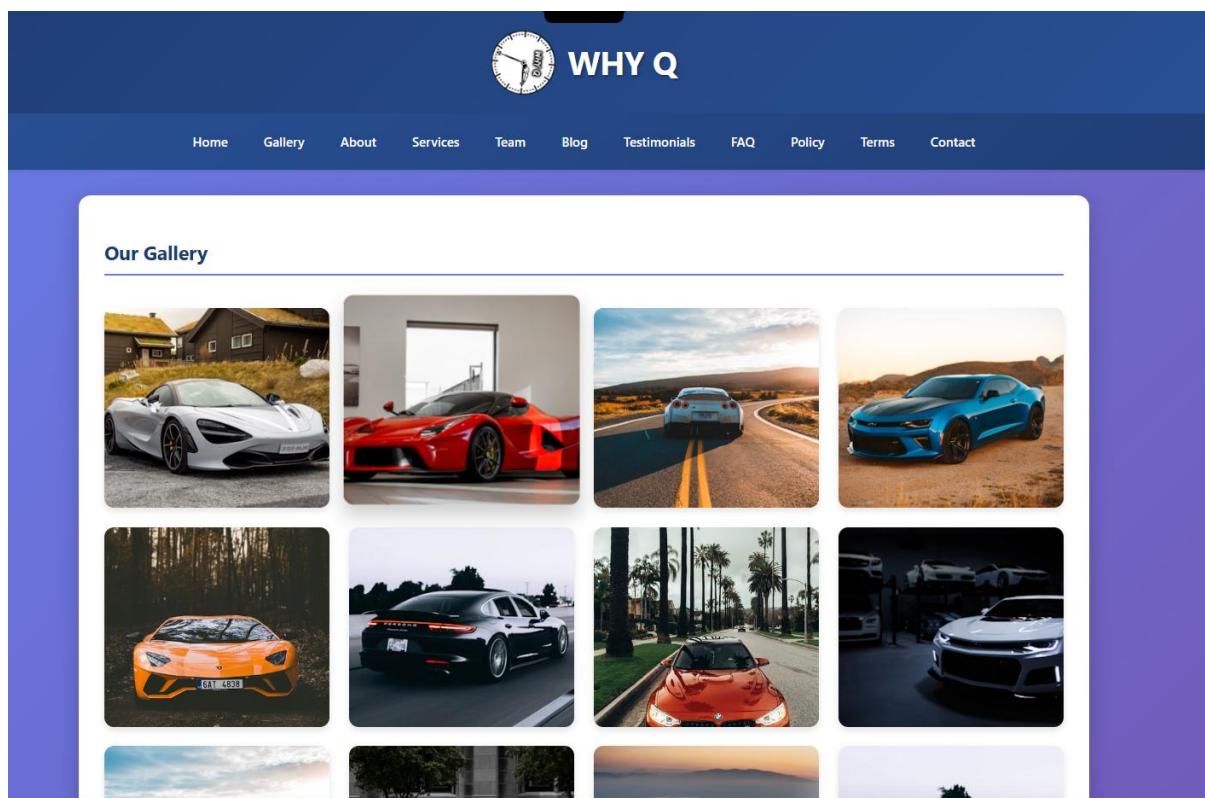
GROUP: 1

Submitted To –

Faculty: Dr. Kamal Nain Sharma

Some snapshot of the web pages

LINK - <https://naseem7888.github.io/web-performance/>



The screenshot shows the 'About' section of the WHY Q website. The header includes a navigation bar with links: Home, Gallery, About, Services, Team, Blog, Testimonials, FAQ, Policy, Terms, and Contact. Below the header, a section titled 'About Us' contains a brief welcome message and a history of the company.

Welcome to WHY Q. We are dedicated to providing the best service to our customers. Our mission is to solve the question "Why?" by providing quality answers ("Q"). Founded in 2026, we have grown from a small startup to a leading provider of Q-services.

The screenshot shows the 'Services' section of the WHY Q website. The header includes a navigation bar with links: Home, Gallery, About, Services, Team, Blog, Testimonials, FAQ, Policy, Terms, and Contact. Below the header, a section titled 'Our Services' lists four main service categories: Consulting, Development, Design, and Support.

- **Consulting:** Professional advice for your business.
- **Development:** Web and software solutions.
- **Design:** Creative design services.
- **Support:** 24/7 customer support.

The screenshot shows the 'Latest News' section of the WHY Q website. The header includes a navigation bar with links: Home, Gallery, About, Services, Team, Blog, Testimonials, FAQ, Policy, Terms, and Contact. Below the header, two news items are listed: 'Company Launch' and 'New Services Added'.

Company Launch
We are excited to announce the launch of WHY Q!
January 21, 2026

New Services Added
Check out our updated services page for new offerings.
February 1, 2026



WHY Q

Home Gallery About Services Team Blog Testimonials FAQ Policy Terms Contact

What Our Clients Say

"WHY Q provided excellent service and answered all our questions."

- Happy Client A

"The gallery is amazing, and the team is very professional."

- Satisfied Customer B



WHY Q

Home Gallery About Services Team Blog Testimonials FAQ Policy Terms Contact

Contact Us

Values your feedback. Reach out to us!

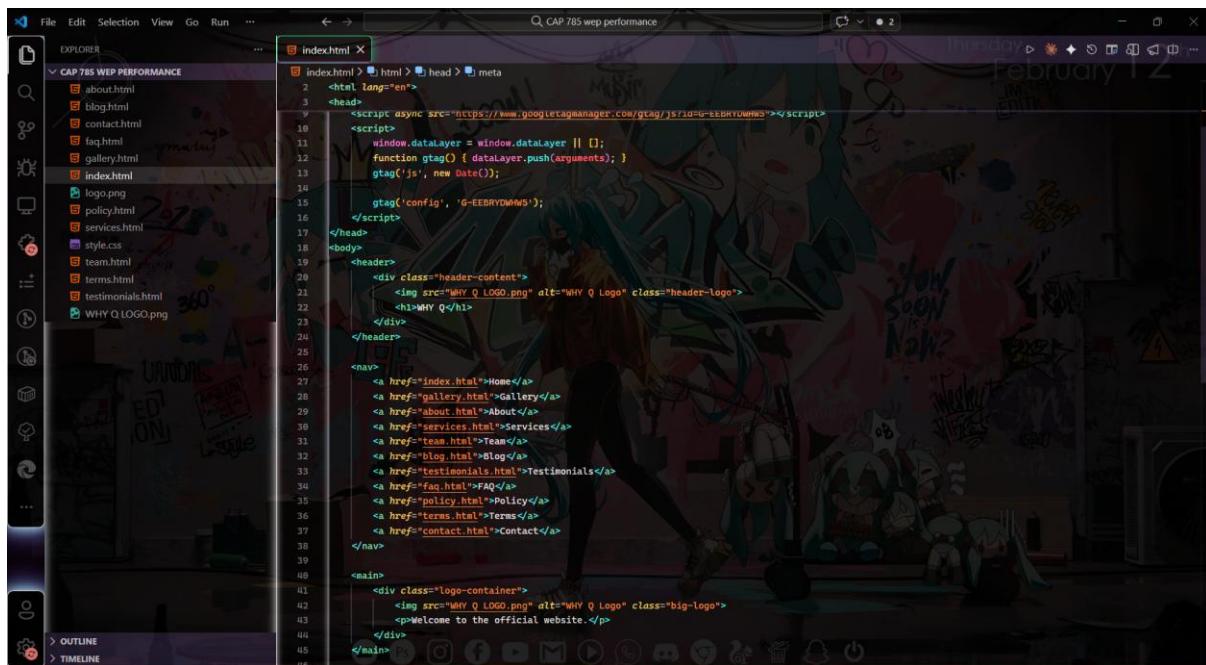
Name:

Email:

Message:

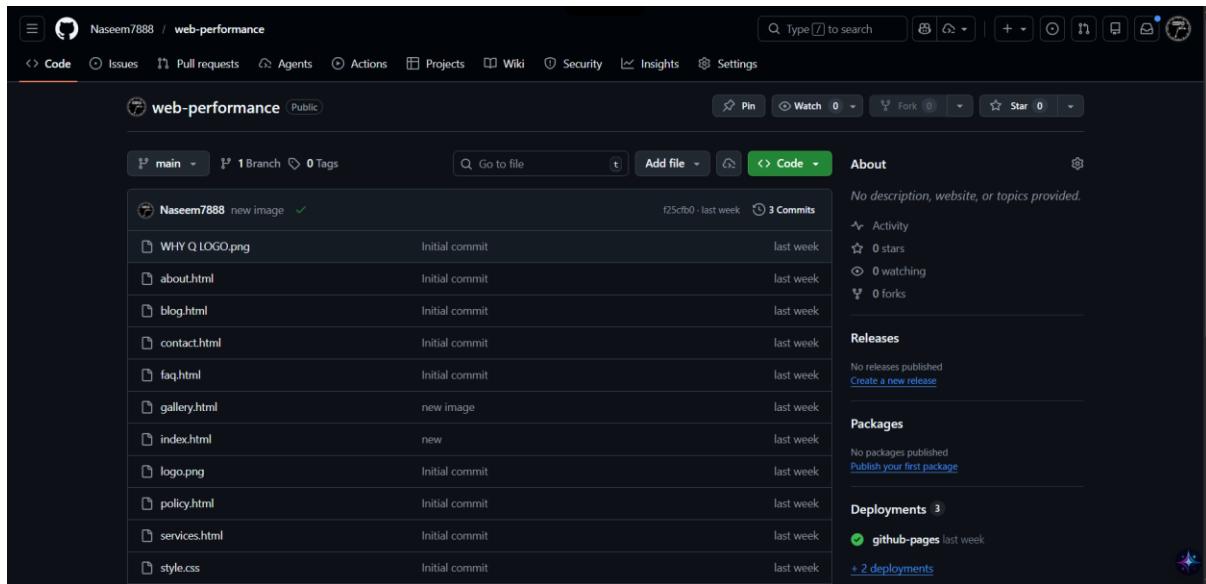
Send

CODE (HTML) SNAPSHOT AND GITHUB REPO



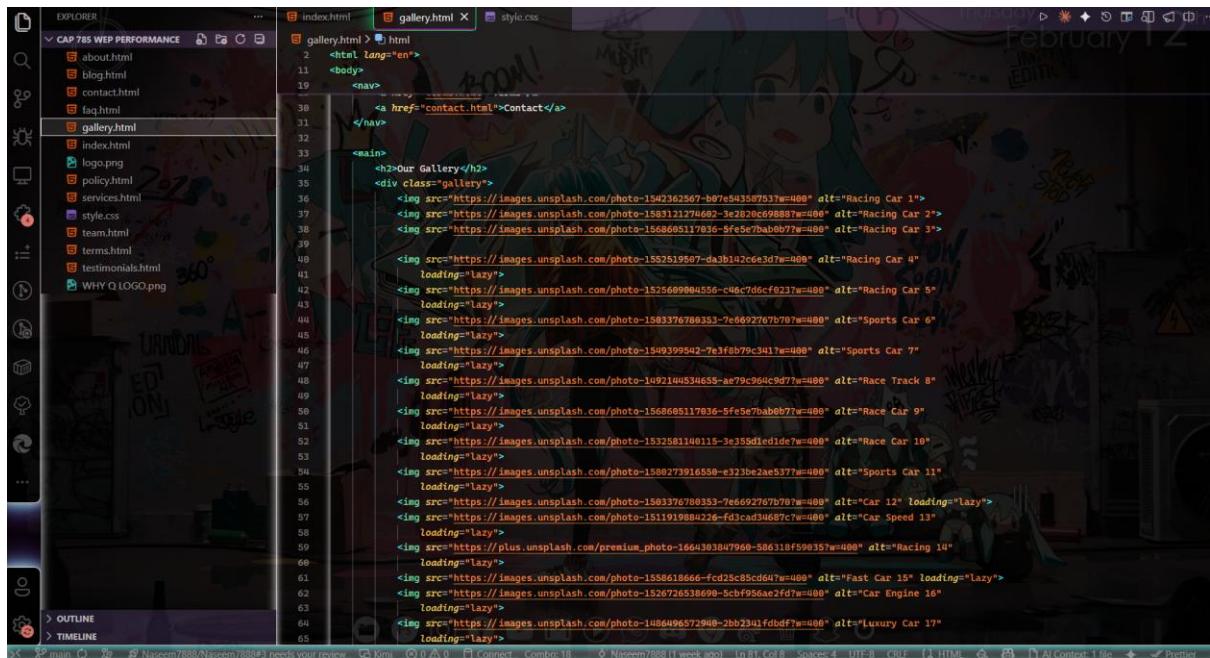
The screenshot shows a code editor window with a dark theme. The title bar reads "CAP 785 WEP performance". The left sidebar is labeled "EXPLORER" and lists files: about.html, blog.html, contact.html, faq.html, gallery.html, index.html, logo.png, policy.html, services.html, style.css, team.html, terms.html, and testimonials.html. The right sidebar has sections for "OUTLINE" and "TIMELINE". The main area displays the content of "index.html". The code includes a Google Tag Manager snippet, a dataLayer declaration, and a navigation menu with links to Home, Gallery, About, Services, Team, Blog, Testimonials, FAQ, Policy, Terms, and Contact. A large image of a cartoon character is visible in the background of the editor window.

```
<html lang="en">
  <head>
    <script async src="https://www.googletagmanager.com/gtag/js?id=G-EEBRY0WWS"></script>
    <script>
      window.dataLayer = window.dataLayer || [];
      function gtag() { dataLayer.push(arguments); }
      gtag('js', new Date());
      gtag('config', 'G-EEBRY0WWS');
    </script>
  </head>
  <body>
    <header>
      <div class="header-content">
        
        <h1>WHY Q</h1>
      </div>
    </header>
    <nav>
      <a href="#">Home</a>
      <a href="#">Gallery</a>
      <a href="#">About</a>
      <a href="#">Services</a>
      <a href="#">Team</a>
      <a href="#">Blog</a>
      <a href="#">Testimonials</a>
      <a href="#">FAQ</a>
      <a href="#">Policy</a>
      <a href="#">Terms</a>
      <a href="#">Contact</a>
    </nav>
    <main>
      <div class="logo-container">
        
        <p>Welcome to the official website.</p>
      </div>
    </main>
  </body>
</html>
```



The screenshot shows a GitHub repository page for "web-performance" (Public). The top navigation bar includes links for Code, Issues, Pull requests, Agents, Actions, Projects, Wiki, Security, Insights, and Settings. The main content area shows the repository structure under the "Code" tab. It lists files: main (1 commit), 1 Branch, 0 Tags. The files listed are: WHY Q LOGO.png, about.html, blog.html, contact.html, faq.html, gallery.html, index.html, logo.png, policy.html, services.html, and style.css. Each file entry includes a preview icon, the file name, a description (e.g., "Initial commit"), and a timestamp ("last week"). To the right of the file list, there are sections for "About" (No description, website, or topics provided), "Activity" (0 stars, 0 watching, 0 forks), "Releases" (No releases published, Create a new release), "Packages" (No packages published, Publish your first package), and "Deployments" (3 deployments, last week, + 2 deployments).

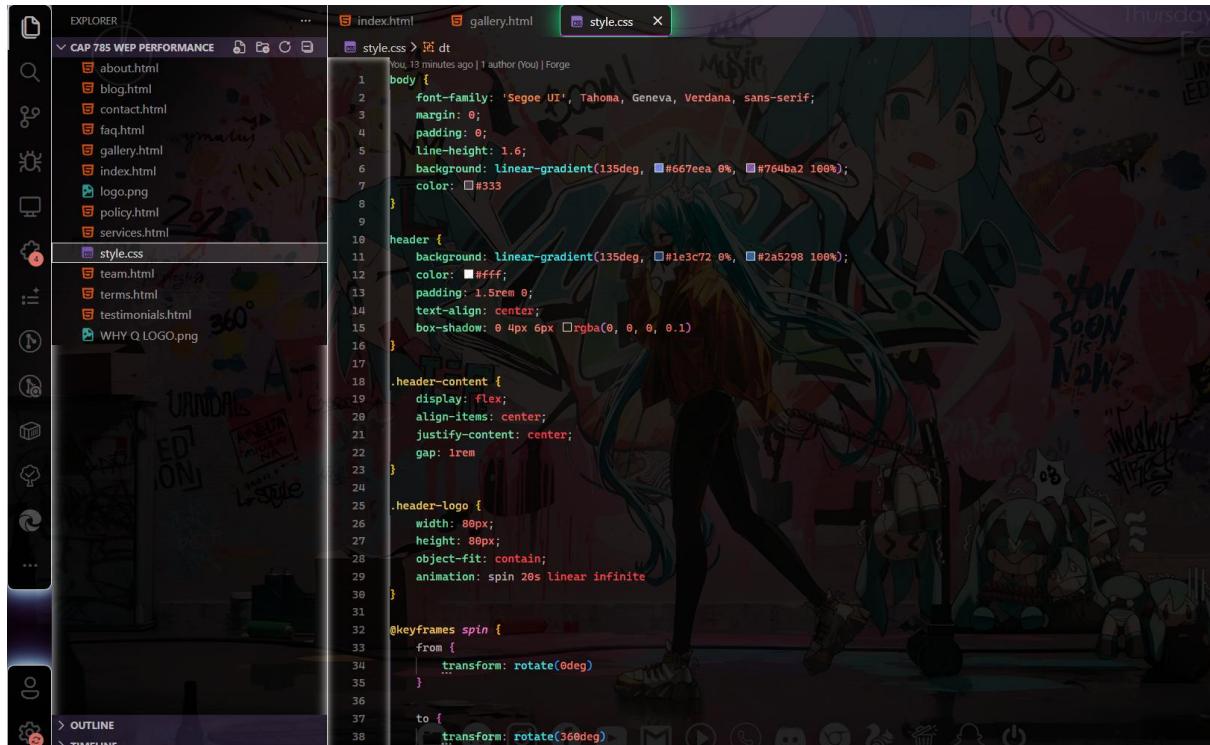
Lazy landing implementation



```
<nav>
    <a href="contact.html">contact</a>
</nav>

<main>
    <h2>Our Gallery</h2>
    <div class="gallery">
        
        
        
        
        
        
        
        
        
        
        
        
        
        
        
        
        
        
    </div>
</main>
```

Minification of css



```
body {
    font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
    margin: 0;
    padding: 0;
    line-height: 1.6;
    background: linear-gradient(135deg, #667380 0%, #764ba2 100%);
    color: #333
}

header {
    background: linear-gradient(135deg, #1e3c72 0%, #2a5298 100%);
    color: #fff;
    padding: 1.5rem 0;
    text-align: center;
    box-shadow: 0 4px 6px rgba(0, 0, 0, 0.1)
}

.header-content {
    display: flex;
    align-items: center;
    justify-content: center;
    gap: 1rem
}

.header-logo {
    width: 80px;
    height: 80px;
    object-fit: contain;
    animation: spin 20s linear infinite
}

@keyframes spin {
    from {
        transform: rotate(0deg)
    }

    to {
        transform: rotate(360deg)
    }
}
```

PageSpeed Insights DEKSTOP

Report from Feb 12, 2026, 11:51:23 AM

<https://naseem7888.github.io/web-performance/gallery.html>

Analyze

Mobile Desktop

Discover what your real users are experiencing

No Data

Diagnose performance issues

100

Performance

100

Accessibility

100

Best Practices

91

SEO

100

Performance

Values are estimated and may vary. The [performance score](#) is calculated directly from these metrics. [See calculator.](#)

0-49 50-89 90-100



[Collapse view](#)

METRICS

Largest Contentful Paint

0.7 s

Largest Contentful Paint marks the time at which the largest text or image is painted. [Learn more about the Largest Contentful Paint metric.](#)

Cumulative Layout Shift

0

Cumulative Layout Shift measures the movement of visible elements within the viewport. [Learn more about the Cumulative Layout Shift metric.](#)

First Contentful Paint

0.2 s

First Contentful Paint marks the time at which the first text or image is painted. [Learn more about the First Contentful Paint metric.](#)

Total Blocking Time

0 ms

Sum of all time periods between FCP and Time to Interactive, when task length exceeded 50ms, expressed in milliseconds. [Learn more about the Total Blocking Time metric.](#)

Speed Index

0.4 s

Speed Index shows how quickly the contents of a page are visibly populated. [Learn more about the Speed Index metric.](#)

Captured at Feb 12, 2026, 11:51 AM GMT+5:30

Emulated Desktop with Lighthouse 13.0.1

Single page session

Initial page load

Custom throttling

Using HeadlessChromium 143.0.7499.192 with lr

View Treemap

PageSpeed Insights MOBILE

Report from Feb 12, 2026, 11:51:23 AM

<https://naseem7888.github.io/web-performance/gallery.html> Analyze

Mobile Desktop

Discover what your real users are experiencing No Data

Diagnose performance issues

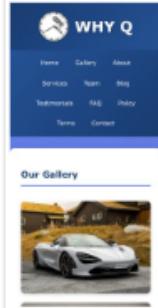
| | | | |
|-------------|---------------|----------------|-----|
| 73 | 100 | 100 | 91 |
| Performance | Accessibility | Best Practices | SEO |

73

Performance

Values are estimated and may vary. The [performance score](#) is calculated directly from these metrics. See calculator.

▲ 0–49 ■ 50–89 ● 90–100



METRICS

| | |
|-----------------------------------|--------------------------------------|
| ● First Contentful Paint 0.8 s | ▲ Largest Contentful Paint 12.4 s |
| ● Total Blocking Time 0 ms | ● Cumulative Layout Shift 0 |
| ■ Speed Index 3.8 s | |

Captured at Feb 12, 2026, 11:51 AM GMT+5:30 Emulated Moto G Power with Lighthouse 13.0.1
Initial page load Slow 4G throttling Using HeadlessChromium 143.0.7499.192 with Ir

[View Treemap](#)