



Bahria University, Islamabad
Department of Software Engineering

Web – Engineering - Lab (Spring-2026)

Teacher: Engr. SUBAS BILAL

Student : Lotfullah Muslimwal

Enrollment : 01-131232-039

Lab Journal: 01
Date: 1/27/2026

| Task No: | Task Wise Marks | | Documentation Marks | | Total Marks (20) |
|----------|-----------------|----------|---------------------|----------|------------------|
| | Assigned | Obtained | Assigned | Obtained | |
| 1 | 3 | | | | |
| 2 | 3 | | | | |
| 3 | 3 | | | | |
| 4 | 3 | | | | |
| 5 | 3 | | | | |

Comments:

Signature

Lab No: 01 - Lab Title: Basics of HTML

Introduction

Learning basic tasks of the html and implementation of them practically in the notepad

Tools Used

Notepad

Task 1:

Discuss about different Web Servers.

Famous and Commonly Used Web Servers

1. Apache HTTP Server

Apache is one of the most used web servers in the world. It is open source and can run on Windows and Linux. It is easy to use and very reliable.

2. Nginx

Nginx is a popular web server and it is very fast. It is mostly used for websites that have many visitors. It can also be used as a load balancer.

3. Microsoft IIS

IIS is a web server made by Microsoft. It is mostly used in Windows servers. It works good with ASP.NET applications and many companies use it.

4. LiteSpeed

LiteSpeed is a modern web server and has high performance. It is faster than Apache and uses less resources. It is commonly used for WordPress hosting.

Task 2:

Perform all tasks as demonstrated in lab.

Code

```
<html>
  <head>
    <title>My Web Page</title>
  </head>

  <body>
    <h1>Welcome to My Web Page</h1>
    <h2>BSE-6A</h2>
    <h3>Web Engineering</h3>

    <p><i>Simple Phragraph</i></p>

    <a href="https://www.lotfullahmsl.com">
      Visit my website</a>

    <ol>
      <li>HTML</li>
```

```
<li>CSS</li>
<li>JavaScript</li>
</ol>
<ul>
    <li>Home</li>
    <li>About</li>
    <li>Contact</li>
</ul>
</body>
</html>
```

Screenshot

Welcome to My Web Page

BSE-6A

Web Engineering

Simple Phragraph

[Visit my website](#)

1. HTML
2. CSS
3. JavaScript

- Home
- About
- Contact

Task 3: Create your CV in HTML Format. Use the tags studied in this lab. You can also include additional html formatting tags.

Code

```
<html>
<head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>CV - Lotfullah Muslimwal</title>
</head>
<body>
    <h1>Lotfullah Muslimwal</h1>
    <p>Software Engineering Student</p>
    <p>
        Email:
        <a href="mailto:Lotfullahmsl@gmail.com">Lotfullahmsl@gmail.com</a> |
        <a href="https://www.linkedin.com/in/lotfullahmsl/">LinkedIn</a> |
        <a href="https://github.com/lotfullahmsl">GitHub</a>
        | Islamabad, Pakistan
    </p>

    <h2>Summary</h2>
    <p>
        Software Engineering student at Bahria University with hands-on experience
        building full-stack web applications and ML-powered systems. Developed
        production-ready projects including an e-commerce platform with AI
        recommendations and an FYP automation system serving 100+ students.
        Completed technical simulations at JPMorgan Chase, British Airways, and
        Deloitte. Proficient in React.js, Python, Flask, MySQL, and MongoDB.
        Seeking Summer 2026 software engineering internship to contribute to
        scalable, user-focused products.
    </p>

    <h2>Education</h2>
    <p>Bahria University, Islamabad Campus</p>
    <p>Bachelor of Software Engineering | Sept 2023 - Expected May 2027</p>

    <h2>Projects</h2>
    <p>
        <strong>Wonderland Toy Store - Full-Stack E-Commerce Platform</strong>
    </p>
    <p>
        React.js, Python Flask, MySQL, Machine Learning | Nov 2025 - Jan 2026 |
        <a href="https://github.com/lotfullahmsl">GitHub</a>
    </p>
    <ul>
        <li>
            Built full-stack e-commerce web application with responsive UI and
            secure shopping cart.
        </li>
        <li>
            Implemented AI-driven product recommendation engine using collaborative
            filtering.
        </li>
        <li>
            Developed admin dashboard for inventory management and promotional
            tracking.
        </li>
        <li>
            Designed RESTful API with Flask, MySQL schema, and JWT authentication.
        </li>
    </ul>

    <p><strong>FYP Process Automation & Management System</strong></p>
    <p>
        React.js, Python Flask, MySQL, Process Automation | Oct 2025 - Dec 2025 |
        <a href="https://github.com/lotfullahmsl">GitHub</a>
    </p>
```

```
</p>
<ul>
    <li>
        Automated Final Year Project lifecycle for 100+ students and faculty.
    </li>
    <li>
        Streamlined submissions, supervisor assignment, and progress tracking.
    </li>
    <li>
        Implemented workflow automation reducing administrative overhead by 70%.
    </li>
    <li>
        Built RESTful backend API with Flask and relational database schema.
    </li>
</ul>

<p>
    <strong>
        AI-Based Self Learning App (Study Planner & Progress Tracker)</strong>
    >
</p>
<p>
    Python, Flask, Machine Learning | Oct 2025 – Nov 2025 |
    <a href="https://github.com/lotfullahmsl">GitHub</a>
</p>
<ul>
    <li>
        Built AI-powered self-learning platform with intelligent scheduling.
    </li>
    <li>
        Implemented progress tracking dashboard with data visualization using Chart.js.
    </li>
    <li>
        Designed adaptive learning system that adjusts study plans based on results.
    </li>
</ul>

<h2>Technical Programs & Simulations</h2>
<p>
    <strong>
        JPMorgan Chase – Software Engineering Virtual Program (Forage)</strong>
    >
    | January 2026
</p>
<ul>
    <li>
        Developed Spring Boot microservice integrating Kafka for real-time processing.
    </li>
    <li>Built data persistence with Spring Data JPA and H2 SQL.</li>
    <li>Integrated external REST API for incentive processing.</li>
    <li>Tested and validated system using Maven and debugging tools.</li>
</ul>

<p>
    <strong>British Airways – Data Science Virtual Program (Forage)</strong> |
    January 2026
</p>
<ul>
    <li>
```

Scraped and analyzed 1,000+ customer reviews to identify patterns.

Built predictive model with scikit-learn achieving 84% accuracy.

Performed exploratory data analysis and feature engineering with Pandas and NumPy.

<p>

Deloitte Australia - Data Analytics Virtual Program (Forage)

>

| January 2026

</p>

Analyzed business datasets and created interactive dashboard using Tableau.

Performed data classification and trend analysis in Excel.

Applied statistical analysis to identify data patterns and anomalies.

<p>

Deloitte Australia - Technology Consulting Virtual Program (Forage)

>

| January 2026

</p>

Designed technical proposal for analytics dashboard development.

Documented system requirements and technical specifications.

<h2>Technical Skills</h2>

Languages: Python, JavaScript (ES6+), Java, SQL, HTML5, CSS3

Frontend: React.js, Responsive Design, Component Architecture

Backend: Flask, Spring Boot, REST APIs, Microservices

Databases: MySQL, MongoDB, H2 SQL, Database Design

ML/AI: scikit-learn, Pandas, NumPy, Predictive Modeling, Data Analysis

Tools: Git/GitHub, Maven, Kafka, Tableau, Visual Studio Code

Software Development: Agile/SDLC, OOP, TDD, API Design

<h2>Additional Information</h2>

<p>

GitHub Portfolio:

github.com/lotfullahmsl

- 50+ repositories with full-stack, ML, and AI work.

</p>

<p>

Languages: Pashto (Native), Dari (Native), English (Fluent), Urdu (Fluent)

</p>

<h2>Personal Profile & Interests</h2>

<p>

Interested in scalable web applications, machine learning, and building tools that help students and businesses work faster.

</p>

<h2>References</h2>

<p>Available upon request.</p>

</body>

</html>

Screenshot

Lotfullah Muslimwal

Software Engineering Student

Email: Lotfullahmsl@gmail.com | [LinkedIn](#) | [GitHub](#) | Islamabad, Pakistan

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