*BANO QABIL 3.0*

*WEB DEVELOPMENT I*

*MISS SUMBUL*

*GROUP:*

*DEVELOPER GIRLS*

*NAME: IQRA AND TANZEEL*

*PROJECT: Flower Shop*

**Our Journey in HTML, CSS, and JavaScript**

**Course Duration:** 3 Months  
**Instructor:** Miss Sumbul  
**Date:** 5-Oct-2024

**Introduction**

Over the past month, we embarked on an exciting journey learning HTML, CSS, and JavaScript. This course focused on both theoretical concepts and practical applications, culminating in the creation of our very own E-Commerce website—a flower shop.

**Learning HTML**

In the first part of our course, we focused on HTML (Hypertext Markup Language). We learned how to structure web pages using various HTML elements. Key topics included:

* **Semantic HTML:** Using tags like <header>, <footer>, and <article> for better SEO.
* **Basic Layout:** Creating a skeleton for our web pages with <div> elements.

This foundational knowledge set the stage for our web development journey.

**Diving into CSS**

Next, we explored CSS (Cascading Style Sheets), which allowed us to style our web pages. We learned about:

* **Styling Elements:** Applying colors, fonts, and layouts.
* **Responsive Design:** Utilizing Flexbox and Grid to make our website accessible on all devices.

We applied these skills to ensure our flower shop had an attractive and functional design.

**JavaScript Fundamentals**

To bring our website to life, we delved into JavaScript. We focused on:

* **Basics:** Understanding variables, functions, and events.
* **DOM Manipulation:** Changing HTML and CSS dynamically to enhance user experience.

Key features we implemented included form validation and interactive elements, like buttons that respond to user actions.

**Mid-Term Projects**

During the course, we also completed mid-term projects that showcased our growing skills:

**Traveling Website**

* **Objective:** A platform for users to explore travel destinations and plan trips.
* **Features:**
  + Destination listings with images and descriptions.
  + User reviews and ratings.
  + Interactive maps to visualize locations.

**Netflix Clone**

* **Objective:** A simplified version of the Netflix streaming service.
* **Features:**
  + Display of movies and shows with posters and descriptions.
  + Search functionality to find titles.
  + Responsive design for various devices.

**Food Panda Clone**

* **Objective:** An online food delivery service interface.
* **Features:**
  + Restaurant listings with menus and images.
  + Cart functionality for placing orders.
  + User-friendly interface for browsing options.

These projects helped us apply our skills in real-world scenarios, improving our understanding of web development.

**Assignments Overview**

In addition to projects, we completed several assignments that reinforced our learning:

**Periodic Table**

* **Objective:** Create an interactive periodic table using HTML and CSS.
* **Skills Developed:**
  + Understanding of HTML elements and CSS styling.
  + Implementation of hover effects to display element details.

**Report Card**

* **Objective:** Design a digital report card to showcase student grades and subjects.
* **Skills Developed:**
  + Table formatting with HTML.
  + CSS for layout and presentation.

**Portfolio**

* **Objective:** Develop a personal portfolio to display our projects and skills.
* **Skills Developed:**
  + Structuring a multi-page website.
  + Styling and organizing content to reflect individual branding.

These assignments provided valuable hands-on experience and allowed us to demonstrate our creativity and technical skills.

**Project Introduction: Flower Shop**

As our main project, we created an E-commerce website for a flower shop. This project aimed to showcase our skills and provide a user-friendly platform for buying flowers. Our goals included:

* Displaying various flower arrangements.
* Implementing a shopping cart feature.
* Designing a smooth checkout process.

**Website Features**

Our flower shop includes several key features:

* **Product Listings:** Attractive display of different flower arrangements with images and descriptions.
* **Shopping Cart:** Users can easily add and remove items.
* **Responsive Design:** The website is optimized for both mobile and desktop views.

**Team Collaboration**

Working as a team was crucial for our success. We divided roles among team members, such as:

* **Designer:** Focused on the aesthetics of the website.
* **Developer:** Handled coding and functionality.
* **Tester:** Ensured everything worked seamlessly.

We used tools like GitHub for version control and Trello for project management, which helped us stay organized.

**Challenges Faced**

Throughout the project, we encountered several challenges:

* **Debugging JavaScript:** We faced issues with interactive elements.
* **Cross-Browser Compatibility:** Ensuring our website looked good on all browsers was tricky.

We tackled these obstacles through peer code reviews and collaborative problem-solving sessions.

**Final Product Showcase**

We are proud to present our completed flower shop website! You can explore it here: [Insert Link or QR Code]. During our demo, we will highlight the key features and functionalities.

**Conclusion**

This course has been an invaluable experience, providing us with practical skills in web development. We’ve gained teamwork experience and learned to communicate effectively. A special thanks to Miss Sumbul for her guidance and support throughout our journey!

**Q&A**

We welcome any questions about our learning experience, mid-term projects, assignments, or the flower shop project!