DEPARTMENT OF COMPUTER SCIENCE

COURSE CODE   :   CSE-3532

COURSE TITLE   :   Tools and technologies

ASSIGNMENT NO   :   Final

DATE OF ALLOTMENT   :   5/01/2024

DATE OF SUBMISSION   :   28/06/2024

 PROJECT NAME   :   Personal Portfolio

SUBMITTED TO

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SUBMITTED BY

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SECTION   :   5BF

                                        REMARKS:

Internet Programming Project Report: Personal Portfolio Website

1. **Introduction**

This report outlines the development of a personal portfolio website designed to showcase the skills, projects, and achievements of an individual. The purpose of the project is to create an online presence that can serve as a digital resume, providing potential employers and collaborators with an easy way to learn about the individual's professional background. The significance of this project lies in its ability to enhance personal branding and increase visibility in a competitive job market.

The technologies used for this project include:

HTML: for structuring the content of the web pages.

CSS: for styling and layout.

JavaScript: for interactive elements and client-side functionality.

PHP: for server-side scripting and handling form submissions.

MySQL: for database management.

These technologies were chosen for their widespread use, ease of integration, and ability to create a dynamic and responsive website.

2. Project Objectives

The primary goals of the project are:

To create a visually appealing and user-friendly portfolio website.

To provide a platform for showcasing professional skills, projects, and accomplishments.

To implement a contact form for direct communication with visitors.

To ensure the website is responsive and accessible on various devices.

The target audience includes potential employers, clients, and collaborators who are interested in the individual's work and capabilities.

3. **Methodology**

Front-End Development

HTML: Structured the content with semantic tags to enhance readability and accessibility.

CSS: Designed the layout, applied styles, and ensured responsiveness using media queries.

JavaScript: Added interactive elements such as sliders, form validation, and dynamic content updates.

Back-End Development

PHP: Handled form submissions, processed data, and interacted with the MySQL database.

MySQL: Managed user data and contact form submissions.

4. Design

Design Principles

Simplicity: Clean and straightforward design to focus on content.

Consistency: Uniform styling across all pages for a cohesive look.

Responsiveness: Ensured the website is accessible on various devices and screen sizes.
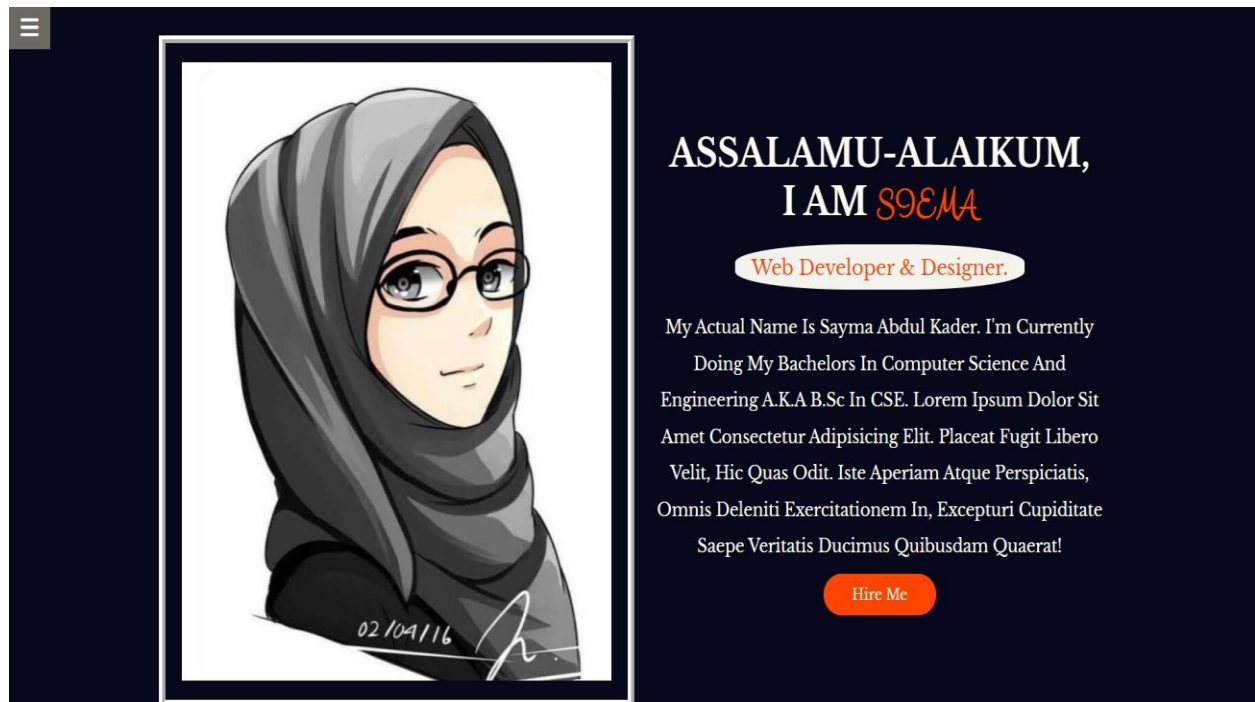
The website consists of the following sections:

Home: Introduction and overview.

About: Personal background and skills.

Portfolio: Showcase of projects with descriptions and images.

Contact: Contact form for direct communication.

PORTFOLIO

×

🏠 Home

👤About

☰Service

💼Portfolio

💬Contact

f 🐦 📷 in 🐙

About Me

I'm Sayma A.Kader And Web Developer

Lorem Ipsum Dolor Sit Amet Consectetur Adipisicing Elit. Iusto Quasi In Recusandae Quis Esse, Ut Enim Dolorem Sit, Vel Autem Molestiae Doloremque Ullam Distinctio Obcaecati. Et Molestiae Aut Dolorum Maxime Rem Quam Id? Facilis, Cum Enim Expedita Aliquid Voluptatum Doloribus Tenetur Saepe Culpa, Atque Adipisci Debitis! Labore Nisi Est Architecto.

Birthday : 31 March 2000

Age : 23

Website : WWW.Domain.COM

E-Mail : Saymaabdulkader@Gmail.Com

Degree : CS

CSS — 92%

JS — 86%

Html — 80%%

Python — 78%

PHP — 56%

Phone : 01306744469

City : Chittagong

Freelance : Available

Bootstrap — 76%

Download CV

Education & Experience

Bachelor Of Science In Computer Science

University Of XYZ, 2018 - 2022
Achieved A First-Class Degree In Computer Science, Focusing On Web Development, Data Structures, And Algorithms. Completed Several Projects And A Final-Year Thesis On Machine Learning Applications In Web Security.

Junior Web Developer

ABC Tech Solutions, 2022 - Present
Worked On Developing And Maintaining The Company's Client Websites. Implemented Responsive Design And Improved User Interface, Leading To A 20%

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Design And Improved User Interface, Leading To A 20%
Increase In User Engagement.

Intern Web Developer

WebDev Inc., Summer 2021
Assisted In Developing E-Commerce Websites And
Web Applications. Gained Experience In PHP,
JavaScript, And MySQL. Improved The Performance
Of Existing Applications By Optimizing The Codebase.

High School Diploma

Chittagong High School, 2016 - 2018
Graduated With Honors, Excelling In Mathematics And
Computer Science. Participated In Various
Programming Competitions And Workshops.

Contact Me

Feel Free To Contact Me Any Time!

Name :

Enter your name

E-Mail :

Enter your e-mail

Phone Number :

Enter your number

Message Box :

Enter your message

Send Message

Portfolio

Web Development
(2020-2023)

Web Development
(2020-2023)

Web Development
(2024)

Web Development
(2024)
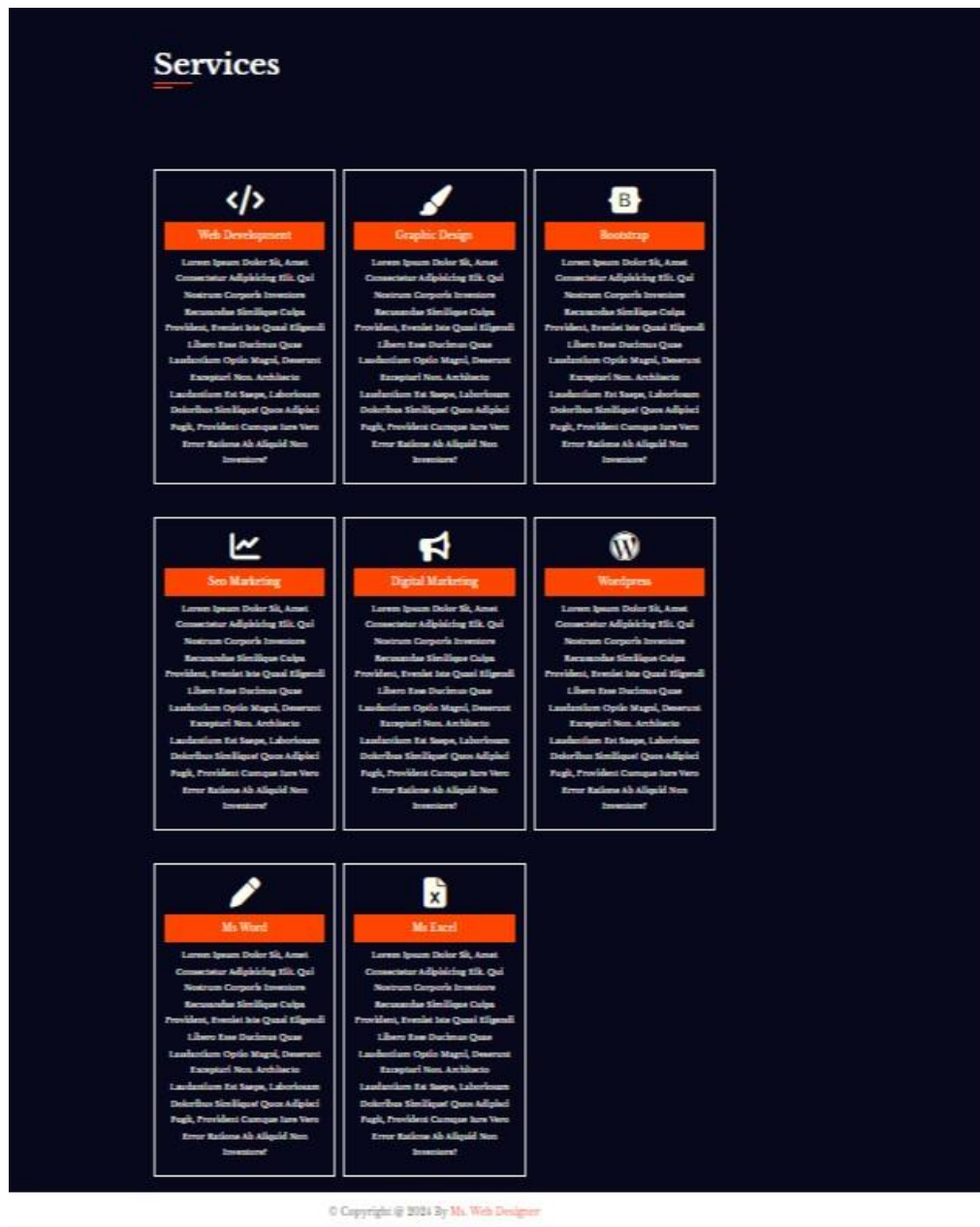

Web Development
(2024)

Web Development
(2023)

Web Development
(2020-2023)

Web Development

(2024)

Front-End Interface

HTML: Structured sections and embedded media.

CSS: Styled text, images, and layout. Used Flexbox and Grid for positioning.

JavaScript: Implemented form validation and interactive elements like modals and sliders.

5. Implementation

Back-End Functionalities

PHP: Processed contact form submissions, validated input, and generated dynamic content.

MySQL: Stored user data, managed contact form entries, and retrieved information for dynamic pages.

Code Snippets

```php
<?php
$servername = "localhost";
$username = "root";
$password = "";
$databaseName = "shammy";

// Create connectiosn
$conn = new mysqli($servername, $username, $password, $databaseName);

// Check connection
if ($conn->connect_error) {
  die("Connection failed: " . $conn->connect_error);
}
echo "          Connected successfully <br>";
if($_SERVER["REQUEST_METHOD"] == "POST"){
    $name = $_POST['name'];
    $email = $_POST['email'];
    $number = $_POST['number'];
    $message = $_POST['message'];

    $sql = "INSERT INTO `contacts` (`Name`,`Number`,`E-mail`,`Message`) VALUES
('$name','$number','$email','$message');";
    $result = mysqli_query($conn, $sql);
if($result){
    echo "<script>alert('Inserted')</script>";
}
else{
    echo "<script>alert('Not Inserted')</script>";
}
}
?>
```

6. Database Design

Schema Design

The database schema includes the following tables:

contacts: Stores contact form submissions with fields for name, email, and message.

Design Decisions

Used VARCHAR for text fields to accommodate varying lengths of input.

Included timestamps to track submission dates.

Tables and Relationships

contacts table:

id (Primary Key)

name (VARCHAR)

email (VARCHAR)

message (TEXT)

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	user_name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
3	password	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More
4	name	varchar(255)	utf8mb4_general_ci		No	None			Change Drop More

7. Challenges

Cross-Browser Compatibility: Ensured consistent appearance across different browsers.

Solution: Used CSS resets and tested on multiple browsers.

Form Security: Prevented SQL injection and spam submissions.

Solution: Used prepared statements and CAPTCHA verification.

8. Results and Achievements

Successfully implemented a responsive and visually appealing portfolio website.

Enhanced user interaction with dynamic content and a functional contact form.

Improved personal branding and online presence.

9. Conclusion

This project provided valuable insights into web development, from front-end design to back-end implementation. The successful creation of the portfolio website demonstrates the integration of various technologies and their practical applications. The project has significantly contributed to personal branding and has the potential to attract professional opportunities.

10. References

PHP Manual

MySQL Documentation

W3school

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