

MINI PROJECT REPORT
On
“School Management System”

Submitted by

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Institute of Engineering & Technology



GLA University

Mathura- 281406, INDIA 2022-2023



Department of Computer Engineering and Applications GLA University, Mathura

17 km. Stone NH#2, Mathura-Delhi Road, P.O. – Chaumuha,

Declaration

We hereby declare that the work which is being presented in the MINI Project “**School Management School**”, in partial fulfillment of the requirements for MINI Project viva voce, is an authentic record of our work carried out by the team members under the supervision of our mentor Dr. **Manoj Varshney**.

Group Members:

- Subrat Jain(201500711)
- Aman Kumar(201500073)
- Sanskar Singhal(201500619)

Course: B.Tech (Computer Science and Engineering)

Year: 3rd

Semester: 6st

Supervised By:

Dr. Manoj Varshney, Trainer

Department of Training and Development, GLA University



**Department of Computer Engineering and
Applications GLA University, Mathura**

17 km. Stone NH#2, Mathura-Delhi Road, P.O. – Chaumuha,

Certificate

This is to certify that the above statements made by the candidates
are correct to the best of my/our knowledge and belief.

Supervisor

Dr. Manoj Varshney

Project Coordinator
(Dr. Manoj Varshney)

Program Coordinator
(Mr. Subhash Chand Agrawal)

Acknowledgment

We thank the almighty for giving us the courage and perseverance in completing the project. This project is an acknowledgment of all those who have given us their heartfelt cooperation in making this project a grand success. We extend our sincere thanks to **Dr. Manoj Varshney**, Trainer at “GLA University, Mathura” for providing his valuable guidance at every stage of this project work. We are profoundly grateful for the unmatched services rendered by him. And finally, we would like to express our deep sense of gratitude and earnest thanksgiving to our dear parents for their moral support and heartfelt cooperation in doing the main project.

Abstract

A school management system is a software application that streamlines and automates the processes of managing a school's administrative and academic tasks. The aim of this mini project is to design and develop a school management system that can be used by teachers, students, and administrators to enhance the efficiency and effectiveness of the school's daily operations.

The system will include features such as attendance tracking, grade management, timetable management, student information management, and staff management. The system will also allow teachers to create and grade assignments, manage class schedules, and communicate with students and parents through a messaging system.

The system will be developed using PHP, HTML, CSS, and JavaScript, with a MySQL database for data storage. The user interface will be designed to be user-friendly and intuitive, with easy navigation and clear instructions.

Overall, this school management system will provide a centralized platform for managing and organizing school operations, which will result in better communication, streamlined processes, and improved academic outcomes.

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INTRODUCTION

A school management system is a software application that helps to automate the administrative tasks of schools and educational institutions. This mini project report is based on the development of a school management system, which is aimed at simplifying the tasks of school administrators, teachers, and students.

The primary objective of this project is to develop a user-friendly system that enables the school administrators to manage the daily operations of the school. The system would help to keep track of student records, attendance, grades, and other important data. Additionally, it would help to streamline communication between teachers, students, and parents.

This mini project report is intended to provide an overview of the system's development process, including its features, design, and functionality. The report will also discuss the tools and technologies used in the development process and the challenges encountered during the development process.

Overall, this school management system would provide a comprehensive solution for managing the administrative tasks of schools and improving the efficiency of school operations.

SOFTWARE REQUIREMENTS

- HTML,CSS AND JAVASCRIPT.
- PHP
- Visual studio code.

HARDWARE REQUIREMENTS

- 8 GB RAM
- Window 10,8,7
- Processor : Intel i5
- Hard Disk: 256 GB
- Window 10

IMPLEMENTATION DETAILS

PROJECT DESCRIPTION :-

The school management system is a mini project designed to help school administrators manage various aspects of school operations. The project is built using a web-based platform that allows administrators, teachers, and students to access the system from any location using a computer or mobile device with an internet connection. The project includes several modules that enable users to manage various aspects of school operations, including student registration, attendance management, grading, and course scheduling.

The project's primary objective is to provide a user-friendly platform that simplifies school management, minimizes errors, and enhances overall efficiency. The system's features are designed to streamline school operations, providing administrators with a comprehensive view of student performance, attendance, and other critical information that can be used to make informed decisions.

The student registration module enables administrators to manage the admission process from start to finish, including creating student profiles, uploading student documents, and managing enrollment fees. The attendance management module allows teachers to take attendance for their classes.

The system's user interface is designed to be simple and intuitive, allowing users to navigate the system with ease. The project is built using modern web technologies such as HTML, CSS, and JavaScript, making it accessible to users across different devices and platforms. The system is also scalable and can be easily customized to meet the specific needs of individual schools.

In conclusion, the school management system project is an innovative solution designed to simplify school management and enhance overall efficiency. The project's features are designed to address the specific needs of school administrators, teachers, and students, providing them with a comprehensive platform to manage various aspects of school operations. With its user-friendly interface and scalability, the project is poised to revolutionize the way schools manage their operations, improving student outcomes and enhancing the overall school experience.

About the Project

A school management system is a software application designed to manage and automate the daily operations of a school. It can help streamline administrative tasks, improve communication between teachers, students, and parents, and provide valuable insights into academic performance and attendance. For a mini project on school management system, you could consider building a basic application with the following features:

1. Student database: This feature should allow you to add, edit, and delete student information, including their name, address, contact information, and enrollment status.
2. Teacher database: This feature should allow you to add, edit, and delete teacher information, including their name, contact information, and subjects they teach.
3. Attendance management: This feature should allow you to track student attendance and generate attendance reports for individual students and classes.
4. Gradebook management: This feature should allow you to record and calculate student grades and generate progress reports.
5. Parent portal: This feature should allow parents to log in and view their child's attendance records, grades, and other important information.
6. School calendar: This feature should allow you to create and manage a school calendar, including events, holidays, and important deadlines.
7. Communication tools: This feature should include tools for sending messages and notifications to teachers, students, and parents.

You can implement these features using various technologies such as Python, Java, PHP, or JavaScript, and you can use a database to store the information. It's important to plan your project carefully, break it down into smaller tasks, and test your application thoroughly to ensure it meets your requirements.

Motivation

There are several reasons why creating a school management system mini project can be a motivating and rewarding experience:

1. **Real-world application:** A school management system mini project involves creating a software application that can be used in real-world scenarios. This gives you an opportunity to apply your programming skills to develop a useful tool that can simplify tasks and improve efficiency in school management.
2. **Learning experience:** Developing a school management system mini project can be a great learning experience. It involves working with different technologies and programming languages, understanding the requirements of the system, designing a solution, and implementing it.
3. **Career prospects:** Experience in developing a school management system can be a valuable addition to your resume, especially if you are interested in pursuing a career in software development, education technology or educational administration.
4. **Impact:** By creating a school management system mini project, you have the opportunity to positively impact the lives of students, teachers, and school administrators. Your project can simplify tasks, improve communication, and help ensure that students receive the best possible education.
5. **Creativity:** Developing a school management system mini project provides an opportunity to exercise your creativity and problem-solving skills. You can come up with innovative solutions and features that can improve the user experience and make the system stand out from others in the market.

List of UI

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S.R Public School, Mathura

S.R. Public School run by Seva Shiksha Samiti is a Educational Social service Organisation working towards a better society. True to its name, S.R. Public School Shiksha Samiti perseveres to bring in a positive change by uniting people who share the common vision of a developed India. S.R Public School was established by S.R. Public School Shiksha Samiti, Mathura in April, 2003.

The society is registered with U.P. Registrar of Societies under Societies Registration Act of 1860 and the registration number of the Society is 1860/896/12A. The school is affiliated to C.B.S.E., New Delhi up to senior secondary level.

I have a vision to build a strong nation and a prosperous society. To realize this vision I have channelized my efforts towards the noble field of education in the land Krishna % city - Mathura. With the vision of my dedicated commitment and devoted endeavour of providing sustainable quality education for budding generation I am hereby with S.R PUBLIC SCHOOL, Mathura. It is not just another private school but an institution that is pioneering a pedagogy focusing entirely on nurturing and developing the skills, aptitudes as well as attitudes needed for a meaningful existence in the 21st century. The school is deeply committed to an all round education that focuses on every aspect of the child % personality development. The personality that each individual possesses integrates within it the unlimited capabilities of the body, mind and spirit in the most unique way and gives the concerned individual not only an identity based on his or her talents and attributes but also the power to respond creatively to the boundless joy of life. Our humble ex-president Abhishek Kumar quoted, "Educationalists should build the capacities of the spirit of inquiry, creativity, entrepreneurial and moral leadership among students and become their role model".



Director Uttam Singh Chaudhary



Instagram



MISSING YOUR SCHOOL LIFE
ADMISSIONS OPEN






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- Director Message
- Principal Message
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Address!

S.R Public School, Mathura
 Old S.R.S.S. Office Compound,
 B-2, Road No. 4, Mathura (U.P.) - 281002
 Phone : 8860-045123 / 9812200000
 Fax : 8860-045123
 Email : srpublicschoolmathura@gmail.com
 Website : www.srgps.in

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Registration Form

Enter Your Name: *

Enter Father's Name: *

Enter Mother's Name: *

Enter UID No. : *

E-Mail Address : *

Enter Address : *

Enter Mob. No. : *

Date Of Birth: *

Choose Class: *

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Address!

S.R Public School, Mathura
Old A.R.T.O. Office Compound,
NH-2, Near SBI Bank, Mathura (U.P.) -281001
Phone : 0565-2431515 , 9457229999
Fax: 0565-2431414
Email : srpublicschoolmathura@gmail.com
Website : www.srps.in

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About Us

SR Public School was founded by Sri/Smt. Shikha Saxena is an Educational Society and has Organizational working towards a better society. Due to its vision, S.R. Public School Shikha Saxena's purpose is to be up as a guide or change by setting people who share the common vision of a developed India. S.R. Public School was established by S.R. Public School Shikha Saxena. (Mathura on April, 2003)

This society is registered with U.P. Registrar of Societies under Societies Registration Act of 1860 and the registration number of the Society is 120/SR/123. The school is a school in U.B.A.E., New Delhi up to senior secondary level.



Our Vision

To rise to be the best and excel in the field of education so as to produce highly capable, independent and responsible citizens who would be leaders in their professional fields and would effectively lead the society. Creation of a social and ethical environment in which students should learn to respect each and all. Through challenges and discipline they will learn to take responsibility of their own lives and be of service to the environment.



Our Mission

Our mission is to form future leaders with active intellectual curiosity and creative minds, a sense of understanding and compassion for others and the concepts to act on their behalf. We lay stress on the total development of lifelong learning of each child spiritual, moral, intellectual, social, emotional and physical.

SR Public School is an English-medium co-educational, up-to Class 12th school dedicated to the intellectual and personal development of each student in a caring and supportive environment. SRPS offers a challenging program to encourage independent thinking, self-discipline and responsibility in our students. We promise to bring out the best of talents and to make your child grow with our vibrant methods of teaching.



Director's Message

For promoting human excellence we need to produce citizens of people, confident, opening and being self-perpetuating, others ready, honest and character before the highest ethics of life, with their ethics at SRPS, we are striving to produce the right platform where your child can make a great beginning of glorious journey of life. May I extend warmest congratulations to you and your child in joining the Society of S.R. Public School.

We are in the midst of revolution. The nation is looking to the glory of a new proud generation that is taking the world of things. The nation's intellectual community of the world has arisen up to the reality that India is a beacon of hope of talent and intelligence. The people of today are taking India to unprecedented heights of prosperity the only true national sentiment to this great land is to rise. EDUCATION becomes knowledge to prosper.

All great achievements are the product of one's dream, ambition and dedication to achieve a truly noble goal.

SR Public School Mathura is the crystallization of the efforts, desires and aspirations of all the people involved in the mission to give their best to the students who desire to be equipped with the right resources to be successful in all spheres of an exciting new world where knowledge is everything.

With best wishes,
UTTAM KISHAN KALAWARI
 Director



Principal's Message

I welcome you to SR Public School, an English medium Co-educational School where the progressive vision of our founders has created a blue print of excellence and abiding values to help our pupils to give their own and become of high potentialities and character.

SRPS is the seed ground for those who wish to be leaders and path breakers, for those who shall experiment with the cutting edge of contemporary thought and creative inspiration, for those who shall dare to give shape to their dreams and aspirations and those who shall be the flag bearers of human values, holding their action and global concerns in perpetual remembrance.

This educational centre at SRPS will take them to the promised land of gold, nurturing individual talent and making a difference to each child. This is our holy goal. Through a spectrum of activities to plan and conduct the classroom, we provide experiences that help the students to discover innate capabilities, set goals, find resources and tirelessly work towards their fulfillment.

With best wishes,
PALESH K. MITTAL (B.A., Army Captain)
 Principal



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Address

S.R. Public School, Mathura
 B-2, A-1, S-1, 11th Floor, Mathura, U.P. - 201001
 Phone : 0581-222222 / 222222
 Fax : 0581-222222
 Email : srpublicschoolmathura@gmail.com
 Website : www.srpshs.com

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- We may request personal information online, such as name, address, phone number, e-mail address, and credit card number, ONLY for the purposes of accepting donations to SRPS.
- We will not release or use this information for any other purpose unless we have your consent.
- We do not trade or sell your personal information with other organizations.
- Donors may request, at any time, to not receive our publications.
- Donors may request to not receive certain mailings, such as our newsletter.
- We do not track, collect or distribute personal information entered by those who visit our website.
- To ensure that philanthropy remains the respect and trust of the general public, we assume the following:

To be informed of the foundation's mission of the way the foundation intends to use donated resources, and of its capacity to use donations effectively for their intended purposes.

To be informed of the identity of those serving on the foundation's governing board, and to request the board to exercise prudent judgment in its responsibilities.

To have access to the foundation's most recent financial statements.

To receive appropriate notices, help and exceptions.

To be assured that information about their donations is handled with respect and with confidentiality to the extent provided by law.

To expect that all relationships with individuals representing the foundation to the donor will be professional.

To be informed whether those working donations are volunteers, employees of the organization or board members.

To have the opportunity for their names to be included from existing lists that the foundation may intend to share.

To feel free to ask questions when making a donation and to receive prompt, truthful and thoughtful answers.

SRPS knows that you can have information about you is used and shared, and we appreciate you knowing that we will do so carefully and sensibly. To better protect your privacy, we provide this Privacy Policy explaining our online information practices and the choices you can make about the way your information is collected and used on this website. The information below explains our policy regarding your privacy and the ways in which we collect and use your information. By visiting our website, you are accepting the practices described in this Privacy Notice.

Facilities

- Well constituted class rooms
- Transport Facility
- Indoor & Outdoor Games
- Separate Toilets for Boys and Girls
- Ground Training Hall
- Safety & Security
- Computer Lab
- Security Camera
- Canteen
- RO Water
- Generator Facility

How do we use information

When you supply information about yourself for a specific purpose, we use the information for only that purpose (such as to provide the services or information you have requested). For example, you may be asked to give us individual information to receive information, to make a donation, to purchase merchandise or to apply for a job. Invariably, we use information you provide about yourself or someone else when placing a contribution online only to keep the contribution and to confirm delivery. We do not share this information with outside parties except to the extent necessary to complete that order.

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Address:

S.R. Public School, Mathura
 Plot A-3, T-2, 55th Mile, Mathura,
 Dist. Mathura, U.P. 201001
 Phone : 0581-2222116 / 2222117
 Fax : 0581-2222122
 E-mail : srpsk@srpskmathura@gmail.com
 Website : www.srpsk.org

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Contact Us

S.R Public School, Mathura
First branch - Reg.address-Prahlad Nagar Near Narholi
thana NH2 Mathura. Pin 281006 Mathura (U.P.)
-281001

Secound Branch : Old A.R.T.O. Office Compound,
NH-2, Near SBI Bank
Phone : 0565-2431515 , 9457229999
Fax: 0565-2431414
Email : srpublicschoolmathura@gmail.com
Website : www.srps.in



Important Links!

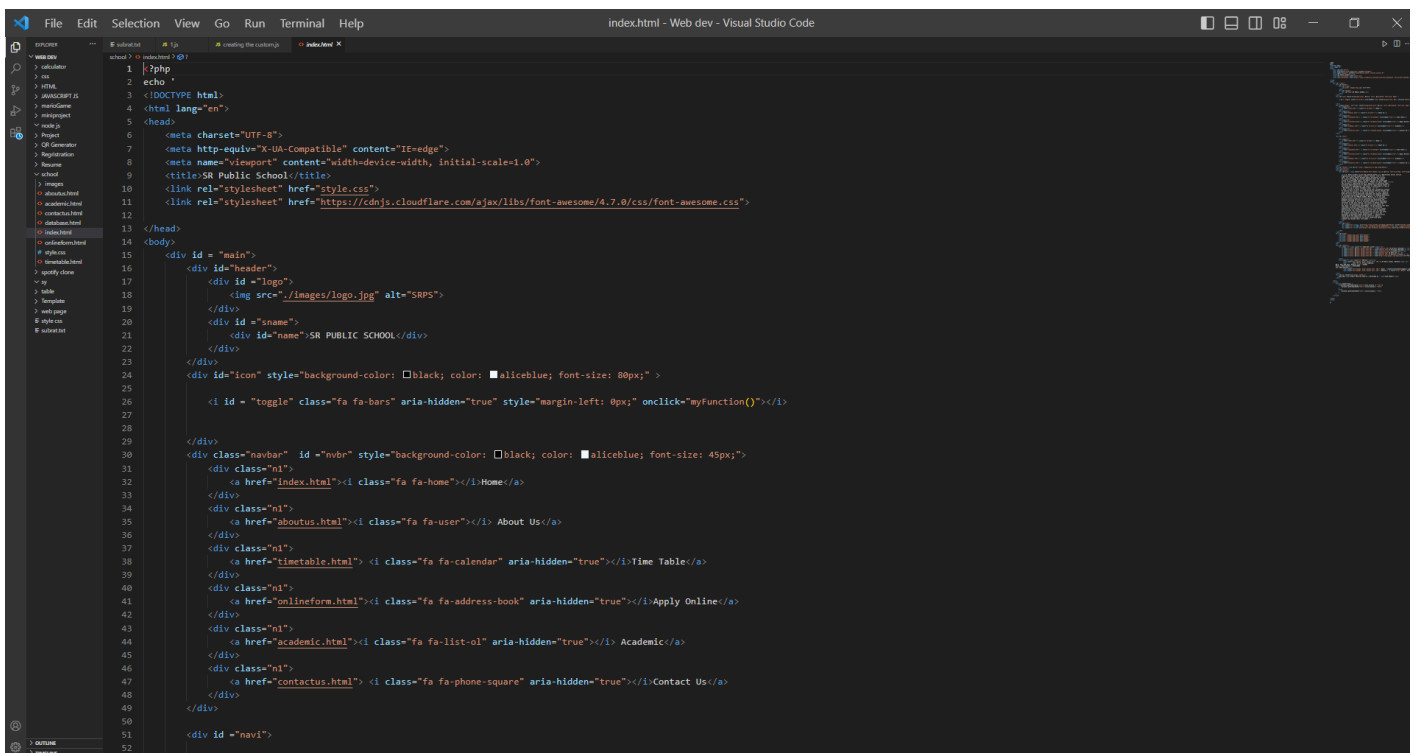
- Director Message
- Principal Message
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Address!

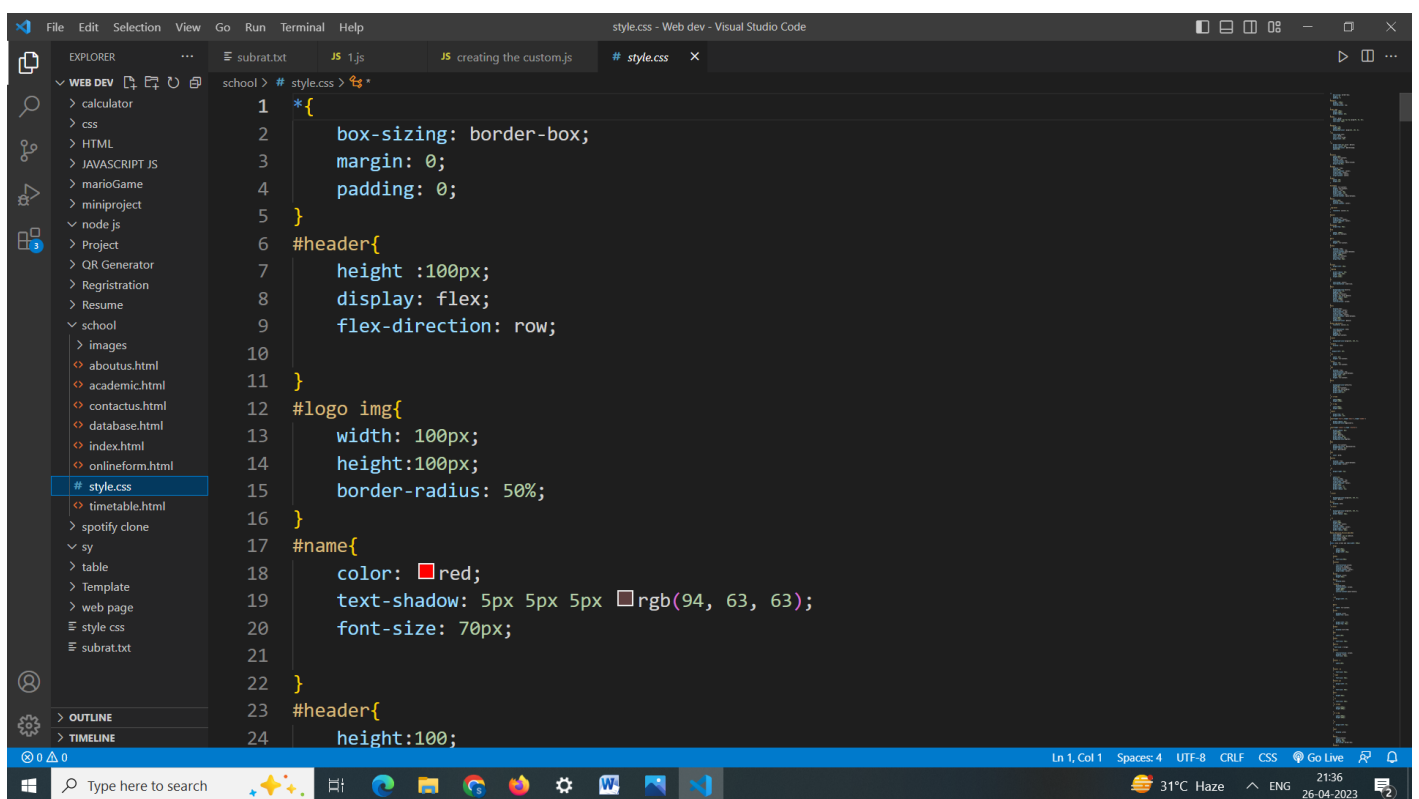
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Fax: 0565-2431414
Email : srpublicschoolmathura@gmail.com
Website : www.srps.in

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Some Code Pages:-



```
1 1?php
2 echo '
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6 <meta charset="UTF-8">
7 <meta http-equiv="X-UA-Compatible" content="IE=edge">
8 <meta name="viewport" content="width=device-width, initial-scale=1.0">
9 <title>SR Public School</title>
10 <link rel="stylesheet" href="style.css">
11 <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css">
12 </head>
13 <body>
14 <div id="main">
15 <div id="header">
16 <div id="logo">
17 
18 </div>
19 <div id="sname">
20 <div id="name">SR PUBLIC SCHOOL</div>
21 </div>
22 </div>
23 <div id="icon" style="background-color: black; color: white; font-size: 80px;">
24 <i id="toggle" class="fa fa-bars" aria-hidden="true" style="margin-left: 0px;" onclick="myFunction()"></i>
25 </div>
26 <div class="navbar" id="nvbr" style="background-color: black; color: white; font-size: 45px;">
27 <div class="n1">
28 <a href="index.html"><i class="fa fa-home"></i>Home</a>
29 </div>
30 <div class="n1">
31 <a href="aboutus.html"><i class="fa fa-user"></i> About Us</a>
32 </div>
33 <div class="n1">
34 <a href="timetable.html"><i class="fa fa-calendar"></i>Time Table</a>
35 </div>
36 <div class="n1">
37 <a href="onlineform.html"><i class="fa fa-address-book"></i>Apply Online</a>
38 </div>
39 <div class="n1">
40 <a href="academic.html"><i class="fa fa-list-ol"></i> Academic</a>
41 </div>
42 <div class="n1">
43 <a href="contactus.html"><i class="fa fa-phone-square"></i>Contact Us</a>
44 </div>
45 </div>
46 <div id="nav1">
47 </div>
48 </body>
49 </html>
```



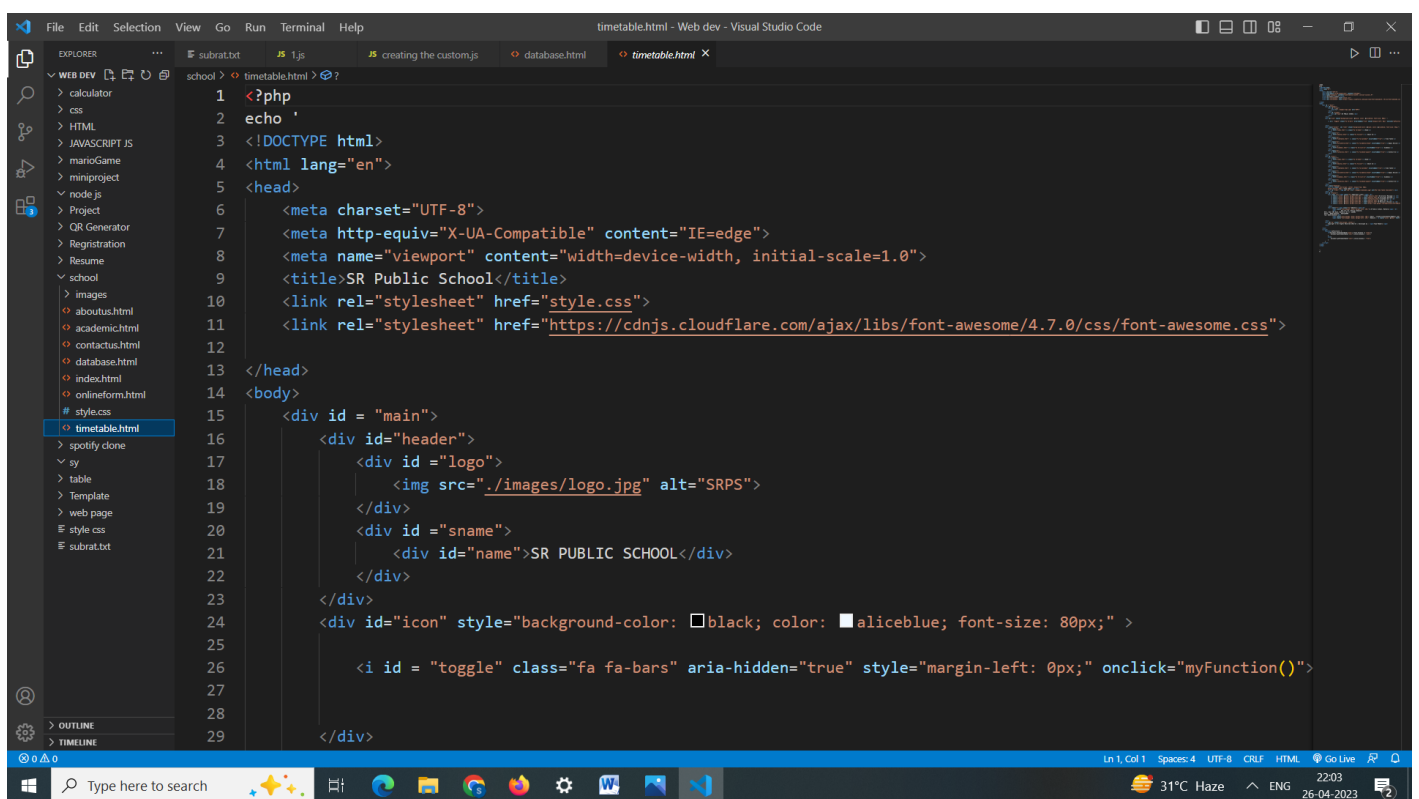
```
1  *{
2      box-sizing: border-box;
3      margin: 0;
4      padding: 0;
5  }
6  #header{
7      height :100px;
8      display: flex;
9      flex-direction: row;
10 }
11 }
12 #logo img{
13     width: 100px;
14     height:100px;
15     border-radius: 50%;
16 }
17 #name{
18     color: red;
19     text-shadow: 5px 5px 5px rgb(94, 63, 63);
20     font-size: 70px;
21 }
22 }
23 #header{
24     height:100;
```

```
1 <?php
2 echo "
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6     <meta charset="UTF-8">
7     <meta http-equiv="X-UA-Compatible" content="IE=edge">
8     <meta name="viewport" content="width=device-width, initial-scale=1.0">
9     <title>SR Public School</title>
10    <link rel="stylesheet" href="style.css">
11    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css">
12    <script src="/script.js"></script>
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42             </div>
43             <div class="n1">
44                 <a href="contactus.html"><i class="fa fa-phone-square" aria-hidden="true"></i> Contact Us</a>
45             </div>
46         </div>
47         <div id="navi">
48             <div class="n">
49                 <a href="index.html"><i class="fa fa-home"></i> Home</a>
50             </div>
51             <div class="n">
52                 <div id="main">
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6   <meta charset="UTF-8">
7   <meta http-equiv="X-UA-Compatible" content="IE=edge">
8   <meta name="viewport" content="width=device-width, initial-scale=1.0">
9   <title>SR Public School resource. A URL can be absolute or relative.
10  <link rel="stylesheet" href="style.css">
11  <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css">
12 </head>
13 <body>
14   <div id="main">
15     <div id="header">
16       <div id="logo">
17         
18       </div>
19       <div id="sname">
20         <div id="name">SR PUBLIC SCHOOL</div>
21       </div>
22     </div>
23     <div id="icon" style="background-color: black; color: white; font-size: 80px;">
24       <i id="toggle" class="fa fa-bars" aria-hidden="true" style="margin-left: 0px;" onclick="myFunction()"></i>
25     </div>
26     <div class="navbar" id="nvbr" style="background-color: black; color: white; font-size: 45px;">
27       <div class="n1">
28         <a href="index.html"><i class="fa fa-home"></i>Home</a>
29       </div>
30       <div class="n1">
31         <a href="aboutus.html"><i class="fa fa-user"></i> About Us</a>
32       </div>
33       <div class="n1">
34         <a href="timetable.html"><i class="fa fa-calendar" aria-hidden="true"></i>Time Table</a>
35       </div>
36       <div class="n1">
37         <a href="onlineform.html"><i class="fa fa-address-book" aria-hidden="true"></i>Apply Online</a>
38       </div>
39     </div>
40   </div>
41 </body>
42 </html>
43
```

```
1 <?php $ser_name = "localhost";
2 $user_name = "root";
3 $user_password = "";
4
5 // for fetching data from form
6
7 $sname=$_POST['s_name'];
8 $fname=$_POST['s_fname'];
9 $mname=$_POST['s_mname'];
10 $uid=$_POST['s_uid'];
11 $email=$_POST['s_email'];
12 $address=$_POST['s_address'];
13 $mobile=$_POST['s_mobile'];
14 $dob=$_POST['s_dob'];
15 $class=$_POST['s_class'];
16
17 // for making connection to the server
18
19 $connection_data = mysqli_connect($ser_name,$user_name,$user_password,"school");
20 if(!$connection_data){
21     echo "Server not connected";
22 }
23 else{
24
25     // check which button is clicked
26
27
28     if(isset($_POST['Register']))){
29
```



```
1 <?php
2 echo '
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6     <meta charset="UTF-8">
7     <meta http-equiv="X-UA-Compatible" content="IE=edge">
8     <meta name="viewport" content="width=device-width, initial-scale=1.0">
9     <title>SR Public School</title>
10    <link rel="stylesheet" href="style.css">
11    <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.css">
12
13 </head>
14 <body>
15     <div id = "main">
16         <div id="header">
17             <div id ="logo">
18                 
19             </div>
20             <div id ="sname">
21                 <div id="name">SR PUBLIC SCHOOL</div>
22             </div>
23         </div>
24         <div id="icon" style="background-color: black; color: white; font-size: 80px;" >
25
26             <i id = "toggle" class="fa fa-bars" aria-hidden="true" style="margin-left: 0px;" onclick="myFunction()">
27
28         </div>
29     </div>
```



```
1 <?php
2 echo '
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27
28
29         </div>
```

Software Testing :-

Testing a school management system mini project software is an important step to ensure that it meets the requirements and is functioning as intended. Here are some steps you can take to test the software:

1. **Functional Testing:** The first step is to perform functional testing to ensure that all the features are working as expected. Test each module and check if it is performing the intended function. Ensure that all the buttons and links are working correctly, and there are no dead links.
2. **User Acceptance Testing (UAT):** User acceptance testing is performed to ensure that the software meets the requirements of the end-users. Get a group of users to test the software and provide feedback. Ensure that the software is user-friendly, and the users can easily navigate through the system.
3. **Performance Testing:** Performance testing is performed to ensure that the software can handle a large number of users and transactions without crashing. Test the software under heavy loads to ensure that it can handle the load without any issues.
4. **Security Testing:** Security testing is performed to ensure that the software is secure and does not have any vulnerabilities. Test the software for any possible security breaches and ensure that the data is encrypted and stored securely.
5. **Compatibility Testing:** Compatibility testing is performed to ensure that the software works correctly with different browsers, operating systems, and devices. Test the software on different platforms to ensure that it is compatible with all of them.
6. **Regression Testing:** Regression testing is performed to ensure that any new changes or updates to the software do not affect the existing functionality. Test the software again after any updates or changes to ensure that everything is still functioning correctly.

By following these testing steps, you can ensure that your school management system mini project software is working correctly, meeting all requirements, and is ready for use by the end-users.

REFERENCES

- www.w3school.com
- www.javatpoint.com
- www.projectdeveloper.com
- www.tutorialspoint.com
- www.geeksforgeeks.org

Faculty Guidelines:

Dr. Manoj Varshney (Technical Trainer in GLA University)

GitHub Repository link:

<https://amankumar7878.github.io/school/index.html>