

**PROJECT REPORT  
ON  
“STUDENT GUIDE”  
(MINI-PROJECT 1)**



**Department of Computer Science &  
Application  
Institute of Engineering & Technology**

**SESSION- 2022-2023**

**SUBMITTED TO: -  
Mr. Mandeep Singh  
(Technical Trainer)**

**SUBMITTED BY:  
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(201500412)**

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## **ABSTRACT**

The given report presents the working of a website named “Student Guide” that can help the students with their everyday tasks by providing them with the necessary tools. The website contains a To-do list, a login/Sign-up authentication, a feedback section, a calculator, E-content section, a screen saver, a games section and a resume builder template for the students. The website also contains an “ask your mentor” section, where the students can put up their queries. The E-content provided is from authentic sources and will help the students greatly. There is usage of front-end technologies like HTML, CSS and JavaScript. Also firebase application will be used for the database. The project is developed with the motive of helping the students to find all the necessary tools at one place.

## **CERTIFICATE**

This is to certify that the project entitled “**STUDENT GUIDE**”, carried out in MiniProject- I , is a bonafide work by **MONISHKA SINGH** and is submitted in partial fulfillment of the requirements for the award of the degree -Bachelor of Technology (Computer Science & Engineering).

Signature of Supervisor:

Name of Supervisor: Mr. Mandeep Singh

Date: November 30, 2022

## **ACKNOWLEDGEMENT**

It gives me immense pleasure to present the project report of my mini-project undertaken during the III year of B.Tech. This project is an amalgamation of hard-work, knowledge and dedication put in by me and my mentor, Mr. Mandeep Singh. He helped me in every possible way to accomplish this constructive goal. His sincerity, thoroughness and perseverance has been a constant source of inspiration. I believe that he will shower us with all his extensively experienced ideas and insightful comments at different stages of the project & also taught us about the latest industry-oriented technologies.

I would also like to acknowledge the contribution of all my faculty members of the department of Computer Science and Engineering for their kind guidance and co-operation throughout this journey.

I would also like to thank the authors and writers of various books and networking sites for providing me with the relevant information required to complete this project.

I shall remain highly obliged to all the people who helped me in every possible way to develop this project.

Monishka Singh

## **FRAMEWORK DESCRIPTION**

### **HTML-**

HTML stands for **HyperText Markup Language**. It is a standard markup language for web page creation. It allows the creation and structure of sections, paragraphs, and links using HTML elements (the building blocks of a web page) such as tags and attributes.

HTML has a lot of use cases, namely: Web Development, Internet Navigation and Web Documentation.

### **CSS-**

Cascading Style Sheets (CSS) is a stylesheet language used to describe the presentation of a document written in HTML or XML (including XML dialects such as SVG, MathML or XHTML). CSS describes how elements should be rendered on screen, on paper, in speech, or on other media.

### **JavaScript-**

Java script is a scripting language used to enhance the functionality of the browser. Java script is integrated with HTML and navigator 2.02. Java script facilitates the developer with properties related to document windows, frames, loaded documents and link.

An application programming interface (API) is a way for two or more computer programs to communicate with each other. It is a type of software interface, offering a service to other pieces of software. A document or standard that describes how to build or use such a connection or interface is called an API specification. A computer system that meets this standard is said to implement or expose an API. The term API may refer either to the specification or to the implementation.

## **DEVELOPMENT TOOLS**

## **SOFTWARE TOOLS**

VS-CODE

Firebase-Google

Git

GitHub

## **HARDWARE TOOLS**

Windows 10/11 configuration device

## **PROJECT DESCRIPTION**

The project consists of a website that can act as a perfect option for students to find the most needed applications that they use during their studies. The website consists of a To-do list, a login/Sign-up authentication, a feedback section, a calculator, E-content section, a screen saver, a games section and a resume builder template for the students.

All these applications are the ones that a student uses commonly, hence the website is named as “Student Guide”. The project makes use of the front-end technologies like HTML,CSS and JavaScript. The project also consists of back-end connectivity using fire-base of Google.

The login/authentication page is designed using JavaScript. Also there is an “Ask your Mentor ” option available on the site, where the students can ask their queries, and the queries which are genuine shall be taken up. The games section has games that the user can play.



## **WORKING**

The website has a home page. The user will be asked to provide his/her login credentials, and after that the home page will appear.

The home page shall display a navigation bar, provided to the user to navigate to the desired section. The user will be provided with various choices. The following sections shall be available in the website:

- To-Do List

A list of tasks that the students can design for themselves .

Later on the list can be reviewed and checked to find which tasks were done and which were not.

- Calculator-

The calculator will perform all the basic functions like subtraction, addition, multiplication, division, etc.

- E-Content

This section shall provide the students with the necessary notes or books to help them. There will be topic-wise content available on this.

- Screen Saver

This shall display a personalized greeting message to the student along with a background screen.

- Games

This section shall have two to three games and the user can choose which one to play.

- Resume- Builder Template

This section consists of a resume-builder template which the students can personalize accordingly.

There will be a separate “Ask your mentor” section where the students can put forth their queries.

# CODES

## HTML CODE

```
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta http-equiv="X-UA-Compatible" content="IE=edge">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <link rel="stylesheet" href="./Design.css">
</head>
<body>
<header>
  <div class="symbol">
    <i class="fa-solid fa-camera"></i>
    <div class="logo">
      
    </div>
    <h1>STUDENT GUIDE</h1>
  </div>
  <nav>
    <ul>
      <a href="#home"><li>HOME</li></a>
      <a href="#about"><li>ABOUT</li></a>
      <a href="#apps"><li>APPS</li></a>
      <a href="#ask"><li>ASK</li></a>
      <a href="#contact"><li>CONTACT</li></a>
    </ul>
  </nav>
  <a href="./log.html"><button id="loginbtn">Login</button></a>
</div>
</header>
  <div class="container">
    <div class="navigation">
      <div class="prev nav-btn">&lt;</div>
      <div class="next nav-btn">></div>
    </div>
    <section id="home">
      <div class="carousel-container">
        <div class="item main">
          </div>
          <div class="caption">TO-DO List</div>
        </div>
        <div class="item">
          <a href="" ></a></a>
    <div class="caption">Calculator</div>
</div>

<div class="item">
    
    <div class="caption">E-CONTENT</div>
</div>

<div class="item">
    
    <div class="caption">GAMES</div>
</div>

<div class="item">
    
    <div class="caption">RESUME BUILDER</div>
</div>

<div class="item">
    
    <div class="caption">Screen Saver</div>
</div>

</div>
</section>
</div>
<main>
    <section id="about" class="p">
        <h1>ABOUT US</h1>
        <p><h2>The website consists of an interface that can act as a
perfect option for

```

students to find the most needed applications that they use during their

studies.It will consist of : <br>

A To-do list <br>

A feedback section <br>

A calculator

<br>

An E-content section

<br> A

screen saver

<br>

A games section

<br>

A resume builder template for the students.

<br>

<br>

All these applications are the ones that a student uses commonly, hence

the website is named as “Student Guide”. Also

where there is an “Ask your Mentor ” option available on the site,

the students can ask their queries, and the queries which are genuine shall

be taken up. The games section shall have two-three games that the user

can play

<br>The apps are:

<ul type="disc">

<li> To-Do List <br>

A list of tasks that the students can design for themselves .

Later on

the list can be reviewed and checked to find which tasks were done and which were not.</li>

functions like subtraction,

addition, multiplication, division, etc.</li>

<li> E-Content <br>

This section shall provide the students with the necessary notes or

books to help them. There will be topic-wise content available on this. </li>

<li>Screen Saver <br>

This shall display a personalized greeting message to the student along with a background screen.</li>

```

        <li> Games <br>
        This section shall have two to three games and the user can choose
        which one to play. </li>
        <li>Resume- Builder Template <br>
        This section consists of a resume-builder template which the
        students can personalize accordingly. </li>

        There will be a separate "Ask your mentor" section where the
students
        can put forth their queries.
    </ul></h2>
    </p>
</section>
<br><br><br><br>
<section id="apps">
    <div class="boxes" id="boxes">
        <div class="box b1">
            <a href= "./todo/index.html"> </a>
        </div>
        <div class="box b2">
            <a href= "./calculator/index.html"></a>
        </div>
        <div class="box b3">
            <a href="./E-content/index.html"></a>
        </div>
        <div class="box b4">
            <a href="./Games/index.html"> </a>
        </div>
        <div class="box b5">
            <a href="./Resume/index.html"> </a>
        </div>
        <div class="box b6">
            <a href="./Screensaver/index.html"> </a>
        </div>

    </div>
</section>
</main>

<br>
<br>
<section id="ask" class="banner">

```

```

<h1>Start Your Journey!</h1>
<h1>Let's Capture This World</h1>
<p id="mentor">Here is a service for you, click on the below link to ask
your mentor your queries and doubts even the most illogical ones, get your
queries answered within 24 hours. Your queries can be related to any of the
applications that this website offers or any query related to the e-content
section.<br></p>
<a href="https://123moni-source.github.io/Firebase/"><div class="login"
id="askYourMentor">ASK YOUR MENTOR</div></a>

</section>
<footer id="contact">
<div class="photo">
<a href="#box"><h3>Useful links-</h3></a>
<p>Lorem ipsum dolor sit amet.</p>
<p>Lorem ipsum dolor sit amet.</p>
<i class="fa-brands fa-square-facebook"></i>
<i class="fa-brands fa-twitter"></i>
<i class="fa-brands fa-instagram"></i>
<i class="fa-brands fa-linkedin"></i>
</div>
<div class="Contact-info">
<h3>Contact Info</h3>
<p>monishka.singh_cs20@gla.ac.in</p>
<p>201500412</p>
<p>Agra</p>
</div>
</footer>
<script src="./script.js"></script>

</body>
</html>

```

## CSS CODE

```

* {
  padding: 0;
  margin: 0;
  box-sizing: border-box;
}
body{
  background-color: white;
}
header{

```

```
    align-items: center;
    background: rgba( 192, 215, 253, 0.6 );
    box-shadow: 0 8px 32px 0 rgba( 31, 38, 135, 0.37 );
    backdrop-filter: blur( 9px );
    -webkit-backdrop-filter: blur( 9px );
    border-radius: 10px;
    border: 1px solid rgba( 255, 255, 255, 0.18 );
    position: fixed;
    display: flex;
    top: 0;
    width: 100%;
    justify-content: space-between;
    padding: 10px 50px;
    flex-wrap: wrap;
    z-index: 100;
}
nav ul{
    display: flex;
    justify-content: center;
    align-items: center;
    list-style: none;
    flex-wrap: wrap;
}
nav li{
    padding: 10px ;
    font-size: 22px;
    font-weight: bolder;
}
nav li:hover{
    color: #29d9d5;
}
a{
    text-decoration: none;
}
i{
    color: #29d9d5;
    font-size: 32px;
    padding: 5px;
}
.symbol{
    display: flex;
    justify-content: center;
    align-items: center;
}
.login{
    width: 200px;
    display: flex;
    justify-content: center;
```



```
    align-items: center;
    color: #030a66;
    border: 2px solid #29d9d5;
    border-radius: 20px;
    padding: 10px;
    cursor: pointer;
    font-weight: bolder;
    text-shadow: 0px 0px 3px cadetblue;
    flex-wrap: wrap;
}

.login:hover{
    background-color: rgb(66, 16, 145);
    color: white;
}

/* main */
main{
    padding: 70px;
    background-image: radial-gradient( circle farthest-corner at 10%
20%, rgba(97,186,255,1) 0%, rgba(166,239,253,1) 90.1% );
    border-radius: 1rem;
    margin: 2rem 2rem;
    box-shadow: 0 0 10px gray;
}

.p{
    background-image: linear-gradient( 109.6deg, rgba(116,18,203,1) 11.2%,
rgba(230,46,131,1) 91.2% );
    padding: 20px;
    border-radius: 10px;
    color: white;
    padding: 3rem;
}

.p h1{
    color: white;
    padding: 2px;
    font-size:xx-large;
    margin-bottom: 2rem;
}

.p p{
    color: white;
    font-style: oblique;
}

.bboxes{
    display: grid;
    grid-template-columns: 1fr 1fr 1fr;
```

```
    gap: 1rem;
    margin-top: 10px;
}
.box{
    height: 300px;
    border-radius: 15px;
    overflow: hidden;
    background-position: center;
    box-shadow: 0 0 10px black;
    transition: .4s;
}

.box:hover{
    transform: scale(1.05);
    box-shadow: 0 0 15px black;
}
/* #p{
font-size: xx-large;
} */
.box:hover{
    background-color: rgba(128, 128, 128, 0.571);
    background-image: url("../images/photo-camera-interface-symbol-for-
button.png");
    background-size: 200px;
    background-repeat: no-repeat;
    filter: grayscale(2);
    cursor: pointer;
}

.b1{
    background-image: url("../images/todo.jpg");
    background-repeat: no-repeat;
}
.b2{
    background-image: url("../images/calci.jpg");
    background-repeat: no-repeat;
}

.b3{
    background-image: url("../images/econtent.jpg");
    background-repeat: no-repeat;
}

.b4{
    background-image: url("../images/games.jpg");
    background-repeat: no-repeat;
```

```
}  
.b5{  
    background-image: url("../images/resume.png");  
    background-repeat: no-repeat;  
}  
.b6{  
    background-image: url("../images/screensaver.jpg");  
    background-repeat: no-repeat;  
}  
  
.b8{  
    background-image: url("../images/unitconverter.jpg");  
    background-repeat: no-repeat;  
}  
  
/* main */  
  
body {  
    height: 100vh;  
    display: flex;  
    justify-content: center;  
    align-items: center;  
}  
.container {  
    width: 1450px;  
    height: 400px;  
    border: 10px solid white;  
    position: relative;  
}  
.prev {  
    position: absolute;  
    top: 40%;  
    font-size: 25px;  
    font-weight: bold;  
    color: white;  
    left: 20px;  
}  
.next {  
    position: absolute;  
    top: 40%;  
    font-size: 25px;  
    font-weight: bold;  
    color: white;  
    right: 20px;  
}  
.nav-btn {  
    display: flex;  
    justify-content: center;
```

```

    align-items: center;
    cursor: pointer;
    width: 40px;
    height: 40px;
    border-radius: 50%;
    background-color: rgba(219, 24, 24, 0.461);
    transition: 0.5s;
    z-index: 10;
}
.logo img{
    width: 40px;
    height: 50px;
}

.container{
    background-color: white;
}

.nav-btn:hover
{
    background-color: rgb(14, 11, 11);
    color: black;
}

.carousel-container img {
    padding-top: 20px;
    padding-bottom: 20px;
    width: 1300px;
    height: 350px;
    padding-left: 35px;
}
.item {
    position: relative;
    display: none;
}
.main {
    display: block;
}
.carousel-container {
    position: relative;
}
.item .caption {
    position: relative;
    bottom: 0px;
    background-image: linear-gradient( 300.1deg,  rgba(0,0,128,1) 1.7%,
    rgba(100,149,237,1) 99.1% );

```

```

/* width: 100%; */
display: flex;
justify-content: center;
background-color: rgba(0, 0, 0, 0.365);
align-items: center;
color: white;
height: 35px;
font-size:xx-large;
font-weight: bolder;
margin: 2rem;
}

.banner{

width: 100%;
background-image: url("../images/background.jpg");
background-size: cover;
display: flex;
justify-content: center;
align-items: center;
flex-direction: column;
padding: 70px 100px;
}
.banner h3{
color:#29d9d5;
font-size: 30px;
padding: 20px;
text-shadow: 0px 0px 3px cadetblue;
}
.banner h1{
font-size: 70px;
text-shadow: 2px 2px 3px black;
}
.banner p{
text-align: center;
padding: 10px;
opacity: .7;
}
footer{
border-top: 2px solid gray;
background-color: rgb(228, 228, 228);
display: flex;
justify-content: space-evenly;
flex-wrap: wrap;
padding: 30px 20px;
}
.newsletter input{
width: 300px;

```

```

height: 50px;
background-color:transparent;
border: 2px solid #b8dcdc;
border-radius: 10px;
padding: 5px;
margin: 20px 0px;
}

.photo,.Contact-info,.newsletter{
width: 400px;
padding: 10px 20px;
font-size: 22px;
}

.photo h3,.Contact-info h3,.newsletter h3{
padding: 20px;
}

.photo p,.Contact-info p,.newsletter p{
padding: 10px;
}

.p:mentor
{
font-size: xx-large;
font-weight: bolder;
}

#loginbtn{
padding: .4rem 1.5rem;
background: transparent;
font-size: 1rem;
border-radius: 1rem;
}

```

## Javascript Code

```

var prev = document.querySelector(".prev");
var next = document.querySelector(".next");
var images = document.querySelector(".carousel-container").children;
totalImages = images.length;

var index = 0;
prev.addEventListener("click", () => {
  nextImage("prev");
});

```

```
next.addEventListener("click", () => {
  nextImage("next");
});

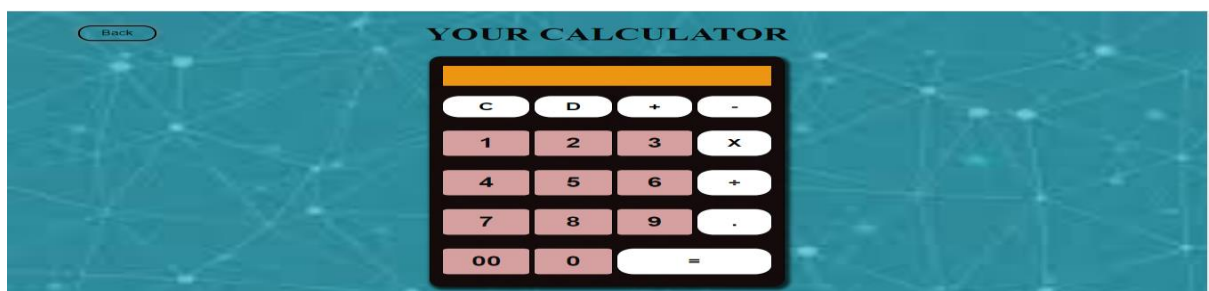
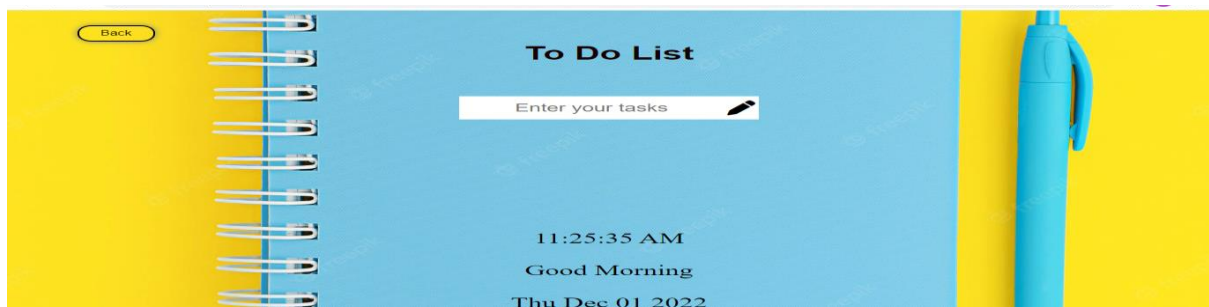
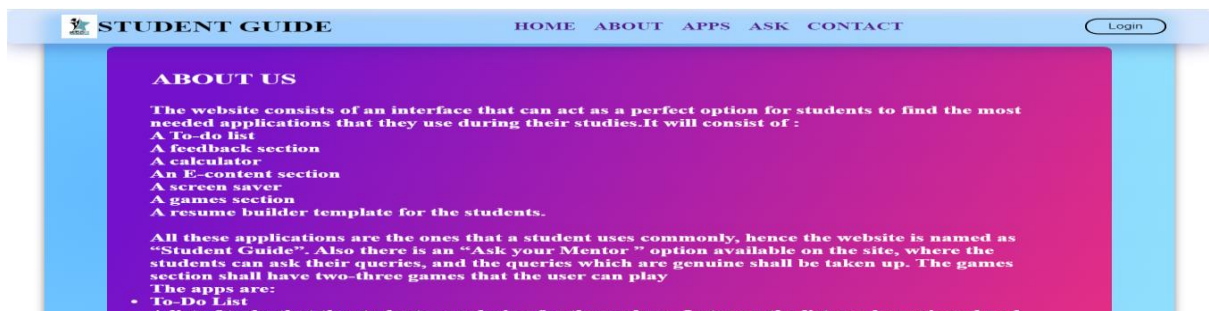
// check for updated index value
function nextImage(direction) {
  if (direction == "next") {
    index++;
    if (index == totalImages) {
      index = 0;
    }
  } else {
    if (index == 0) {
      index = totalImages - 1;
    } else {
      index--;
    }
  }
}

for (let i = 0; i < totalImages; i++) {
  images[i].classList.remove("main");
}
images[index].classList.add("main");
}



function autoMove() {
  setInterval(() => {
    nextImage("next");
  }, 3000);
}

window.onload = autoMove;
```

# OUTPUTS






[Back](#)  E-Content 








# The Best Courses You Will Find Find Here!

Lorem ipsum dolor sit amet consectetur adipisicing elit. Voluptas impedit labore dolore unde, quidem corrupti?


## Our Regular Subjects



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## Welcome

# This is Monishka Singh

I'm a Front-end developer

[Back](#)

# 11:26:18 AM

Good Morning  
Enter Name  
Thu Dec 01 2022

 **STUDENT GUIDE** [HOME](#) [ABOUT](#) [APPS](#) [ASK](#) [CONTACT](#) [Login](#)

## Start Your Journey!

# Let's Capture This World

Here is a service for you, click on the below link to ask your mentor your queries and doubts even the most illogical ones, get your queries answers within 24 hours. Your queries can be related to any of the applications that this website offers or any query related to the e-content section.

[ASK YOUR MENTOR](#)

### Useful links-

Lorem ipsum dolor sit amet.

Lorem ipsum dolor sit amet.

### Contact Info

monishka.singh\_cs20@gla.ac.in

201500412

Agra

## **CONCLUSION**

The given project successfully depicts the usage of various applications including the to-do list, calculator, E-content section, Games section, Resume builder template and screen-saver.

The website can be very helpful to students to do their daily tasks.

Also there will be an “Ask your Mentor ” option available on the site, where the students can ask their queries, and the queries which are genuine shall be taken up.

The website can act as a virtual guide to student hence, the name “STUDENT GUIDE ” is justified.

## **UTILITY AND SCOPE**

The given website can act as a time-saver for students.

There can be further changes in this mini-project to make this website more useful like adding some more applications for students.

However the website consists of all the basic and frequently used tools which the students can use.