

**CSE3002 – Internet and Web Programming**

**Project Report**

**ONLINE NOTEPAD**

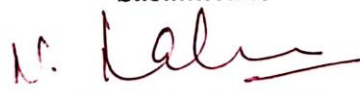
*By*

**Reg. No 19BAI1161**

**Name Madhukar Temba**

**B. Tech Computer Science and Engineering**

*Submitted to*

A handwritten signature in red ink, appearing to read 'N. Maheshwari', with a horizontal line extending from the end.

**Dr. Maheshwari N**

## School of Computer Science and Engineering

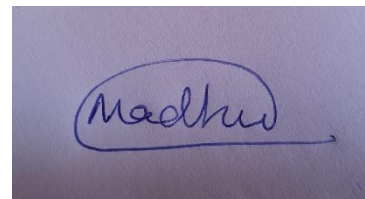


**VIT<sup>®</sup>**  
**Vellore Institute of Technology**  
(Deemed to be University under section 3 of UGC Act, 1956)

*April 2022*

### **DECLARATION**

I hereby declare that the report titled “ ONLINE NOTEPAD ” submitted by me to VIT Chennai is a record of bona-fide work undertaken by me under the supervision of [Dr. Maheswari N maam](#), School of Computer Science and Engineering, Vellore Institute of Technology, Chennai.

A photograph of a handwritten signature in blue ink on a light-colored surface. The signature is written in a cursive style and appears to read "Madhukar".

Signature of the Candidate

**Madhukar Temba**

**19BAI1161**

## **CERTIFICATE**

Certified that this project report entitled “ONLINE NOTEPAD” is a bonafide work of **Madhukar Temba(19BAI1161)** and they carried out the Project work under my supervision and guidance for CSE3002 Internet and Web Programming.

**Dr. Maheshwari N**

SCOPE, VIT Chennai

## **ACKNOWLEDGEMENT**

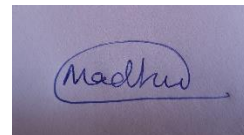
I have taken efforts in this project. However, it would not have been possible without the kind support and help of many individuals and organizations. I would like to extend my sincere thanks to all of them.

I am highly indebted to **Dr. Maheshwari N** or their guidance and constant supervision as well as for providing necessary information regarding the project & also for their support in completing the project.

I would like to express my gratitude towards my parents & member of **VIT** for their kind co-operation and encouragement which help me in completion of this project.

I would like to express my special gratitude and thanks to industry persons for giving me such attention and time.

My thanks and appreciations also go to my colleague in developing the project and people who have willingly helped me out with their abilities.

A handwritten signature in blue ink, appearing to read 'Madhukar', enclosed within a simple oval loop.

**Madhukar Temba**

**19BAI1161**

## **ABSTRACT**

Nowadays note keeping is essential for growth and development. Most of the people make and keep their notes in a notepad or notebook which is a physical medium. This leads to the wastage of paper. This also leads to the wastage of time as writing down notes is a time-consuming process.

To solve this issue this project was made. The project is an online notepad where the users can login and store their notes.

The user needs to create an account on the website and then login to make and access his/her notes. All types of notes and scripts are supported by this website.

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# 1. Introduction

**1.1 Objective and goal of the project:** The main objective of this project is to provide an online way of making, storing and accessing notes.

**1.2 Problem Statement:** The main problem is that a lot of paper is wasted while making notes on paper. Also, it takes more time to make handwritten notes. The plan was to design a ecofriendly note taking method.

**1.3 Motivation:** By using this online notepad, users will be able to save their time, money and earth by making notes in a ecofriendly manner.

**1.4 Challenges:** The main challenge was to make the website accept all kinds of formats the user may give. Making the webpage easy to understand and use was also kept in mind while designing the website.

## 2 Literature Survey

1. Trafton, J. Gregory, and Susan B. Trickett. "Note-taking for self-explanation and problem solving." *Human-computer interaction* 16.1 (2001): 1-38.

We explore the effects of interfaces to take notes on problem solving and learning in a scientific discovery domain. In 2 experiments (1 correlational, 1 experimental), participants solved a series of 5 scientific reasoning problems in a computer environment. We provided some participants with access to an online notepad and found 3 main results: (a) Using the notepad helped participants solve the problems more accurately; (b) the benefits of using the notepad persisted after participants had stopped using it; and (c) participants who used the notepad for problem solving and self-explanation learned more, regardless of the type of notepad interface that was provided. Implications for learning systems with online notepads are discussed.

2. **Bai, Billy, Rob Law, and Ivan Wen. "The impact of website quality on customer satisfaction and purchase intentions: Evidence from Chinese online visitors." *International journal of hospitality management* 27.3 (2008): 391-402.**

With the increasing popularity of online shopping and being the most populated country in the world, China is one of the major online markets now and is likely to become the largest market in the future. In the academic literature, website quality has generally been recognized as a critical step to drive business online. As such, numerous studies have been devoted to website quality and evaluations. Research efforts are, however, in need of understanding the use of websites in regards to online customers' behavior, especially Chinese customers. This study developed and empirically tested a conceptual model of the impact of website quality on customer satisfaction and purchase intentions. Results indicated that website quality has a direct and positive impact on customer satisfaction, and that customer satisfaction has a direct and positive impact on purchase intentions. While the influence of website quality on purchase intentions exists, customer satisfaction does significantly mediate this effect. Drawing on the empirical findings, managerial implications and recommendations for future research are offered.

3. **Zhang, Baoming, and Man Ren. "Paste image from clipboard using javascript in ckeditor." *Advances in Computer Science and its Applications* 1.4 (2012): 240-243.**

The CKEditor is a good web page editor and be used widely. But it can not paste an image directly from clipboard to the server because of safety issues and serious impact on the effect of the user experience, so need a method to solve this problem. Several methods to paste from clipboard into CKEditor are analyzed in this article, and a solution is presented. In firefox browser, can use javascript and ajax to access and post base64 png image directly to the server, but in IE browser, an ActiveX has to be developed and signed to paste from clipboard. Now this function has realized in our e-commerce experiment system.

## **3 Requirements Specification**

### **3.1 Hardware Requirements**

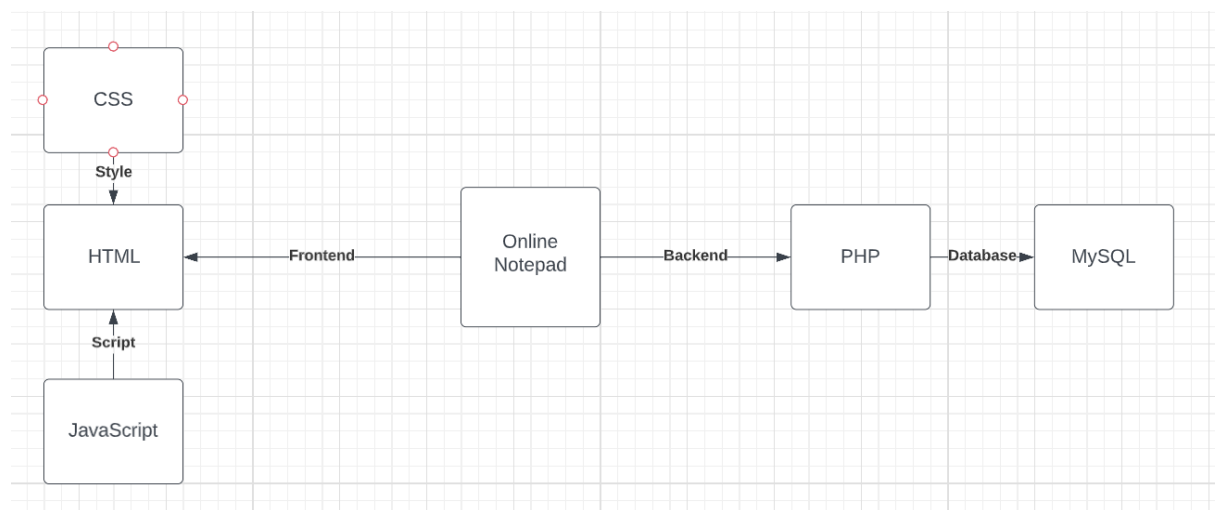
- 1. x32/x64 based machine**
- 2. At least 4 GB of RAM**



### 3.2 Software Requirements

1. XAMPP
2. MySQL
3. PHP Support
4. Browser which supports JavaScript

## 4 System Design



## 5 Implementation of System

The website was made using HTML, CSS, PHP and JavaScript. For the backend part XAMPP was used for the database connectivity to MySQL.

In MySQL database, two tables were created, one for storing the user's username and password and the other table stores the user's notes created.

The password in the database is stored in an encrypted format to increase the security.

Here are some screenshots of the website:

Hello there! You have come to the right place for taking notes ✎

# ONLINE NOTEPAD

### Please Register Here:

<b>Username</b>	<b>Password</b>
<input type="text" value="Email"/>	<input type="text" value="Password"/>
<b>Confirm Password</b>	
<input type="text" value="Confirm Password"/>	
<input type="button" value="Sign up"/>	

### Please Login Here:

<b>Username</b>
<input type="text" value="Enter Username"/>
<b>Password</b>
<input type="text" value="Enter Password"/>
<input type="checkbox"/> Check me out
<input type="button" value="Submit"/>

Welcome MadhukarTemba! You can take notes now!

Title

Choose a good title!

### Description

Source | Save | Print | Undo | Redo | Find | Link | Image | Table | List | Text | Code | Help

Add to list

**Your notes:**

### 3. Embed a video game!

Date: 2022-04-12 08:08:13

Open

Delete

### 4. IFRAME

Date: 2022-04-12 07:44:44

Open

Delete

### 5. How to make gulab jamun

Date: 2022-04-12 07:34:53

Open

Delete

### 6. Emojii Test

#### Images of dogs

Press **F11** to exit full screen



This one is good:



*Italic Text* and **Bold Text**

## Emoji Test

Emoji Test:



Go Back

Copy Content

## How to make gulab jamun

Just a note with instructions for making a gulab jamun. It contains a **YOUTUBE video**, try *clicking* the link.

Link: [https://www.youtube.com/watch?v=QFvd7u\\_YjVk](https://www.youtube.com/watch?v=QFvd7u_YjVk)

Ingredients	Amount
Gulab	10pcs
Jamun	10pcs



Go Back

Copy Content

[illegible]

Date: 2022-04-19 19:52:44

[Open](#) [Delete](#)

Date: 2022-04-12 15:26:34

[Open](#) [Delete](#)

Date: 2022-04-12 08:08:13

The final project is a website which uses HTML, CSS and JavaScript for the front end and PHP and MySQL for the backend.

## 7. Conclusion and Future Work

Created an online notepad where the users can login and create notes. The notes are stored on the server side and can be accessed by the user by logging into their account.

We can improve this editor by adding support for programming languages also so that students can store their program along with their notes. We can also create an extension for the browser which will enable direct copy from any website.

## 8. REFERENCES

1. <https://www.youtube.com/watch?v=kwgNsNhYcHo>
2. <https://www.youtube.com/watch?v=uj6mqEicQ2U>
3. Zhang, Baoming, and Man Ren. "Paste image from clipboard using javascript in ckeditor." *Advances in Computer Science and its Applications* 1.4 (2012): 240-243.
4. Bai, Billy, Rob Law, and Ivan Wen. "The impact of website quality on customer satisfaction and purchase intentions: Evidence from Chinese online visitors." *International journal of hospitality management* 27.3 (2008): 391-402.
5. Trafton, J. Gregory, and Susan B. Trickett. "Note-taking for self-explanation and problem solving." *Human-computer interaction* 16.1 (2001): 1-38.

## APPENDIX

### Home page:

```
<!doctype html>
<html lang="en">

  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

    <!-- Bootstrap CSS -->
```



```
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">
```

```
<title>Online Notepad!</title>
```

```
<style>
```

```
@font-face {
  font-family: dock11;
  src:url(heavy_dock11.otf);
}
```

```
.emboss-txt {

  position: relative;
  font-size: 180px;
  font-family: dock11;
  letter-spacing: 5px;
  color:rgb(207,207,207);
```

```
}
```

```
.emboss-txt::after {
  content: "ONLINE NOTEPAD";
  font-size: 180px;
  letter-spacing: 5px;
  position: absolute;
  font-family: dock11;
  text-shadow: 0px 0px 100px rgba(11,124,199,0.5);
  top:0;
  left:0;
  animation: cycle 10s linear infinite;
}
```

```
@keyframes cycle {
  0% { text-shadow: 0px 0px 100px rgba(11,124,199,0.5);}
  20% { text-shadow: 0px 0px 100px rgba(168,11,199,0.5);}
  40% { text-shadow: 0px 0px 100px rgba(11,199,96,0.5);}
  60% { text-shadow: 0px 0px 100px rgba(199,11,11,0.5);}
  80% { text-shadow: 0px 0px 100px rgba(199,96,11,0.5);}
}
```

```
</style>
```

```

</head>
<body style="background-color: grey;">
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
  <a class="navbar-brand" href="#">Online Notepad</a>
  <button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNavDropdown" aria-controls="navbarNavDropdown" aria-
expanded="false" aria-label="Toggle navigation">
    <span class="navbar-toggler-icon"></span>
  </button>
  <div class="collapse navbar-collapse" id="navbarNavDropdown">
    <ul class="navbar-nav">
      <li class="nav-item active">
        <a class="nav-link" href="#">Home <span class="sr-
only">(current)</span></a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="register.php">Register</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="login.php">Login</a>
      </li>
      <li class="nav-item">
        <a class="nav-link" href="logout.php">Logout</a>
      </li>
    </ul>
  </div>
</nav>

<div style="text-align: center; color:white;">
  <br>
  <h1>Hello there! You have come to the right place for taking notes </h1>
</div>
  <center><div class="emboss-txt">ONLINE NOTEPAD</div></center>

  <!-- Optional JavaScript -->
  <!-- jQuery first, then Popper.js, then Bootstrap JS -->
  <script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
  <script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js
" integrity="sha384-

```

```

U02eT0CpHqdSJJQ6hJty5KVphtPhzWj9W01c1HTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/njGzIxFDsf4x0xIM+B07jRM"
crossorigin="anonymous"></script>
</body>
</html>

```

## Welcome page:

```

<?php
session_start();

if(!isset($_SESSION['loggedin']) || $_SESSION['loggedin'] !==true)
{
    header("location: login.php");
}

require_once("config.php");

if(isset($_POST['delete']))
{
    $request_row = $_POST['id'];

    require_once("config.php");

    if(mysqli_query($conn, "delete from blog where id='$request_row'"))
    {
        echo "<h1 style='font-family:verdana;'> Successfully deleted the note
with ID: $request_row </h1>";
    }
    else
    {
        echo "<h1 style='font-family:verdana;'> Error occured while deleting
note with ID: $request_row </h1>";
    }

    header("refresh: 3; url=welcome1.php");
}
else if(isset($_POST["add_to_list"]))
{

```

```

require_once('config.php');

$title = mysqli_real_escape_string($conn, $_POST['title']);
$desc = mysqli_real_escape_string($conn, $_POST['content']);

if(!empty($title) && !empty($desc))
{
    $id = $_SESSION['id'];
    $sql = "insert into blog (article_title, article_content, user_id)
values('$title', '$desc', '$id')";
    $exec = mysqli_query($conn, $sql);

    if(!$exec)
    {
        redirectToWelcome("failedToSubmitData");
    }
    else
    {
        redirectToWelcome("successfullySubmitted");
    }
}
else
{
    redirectToWelcome("titleOrDescEmpty");
}
}

function redirectToWelcome($msg="invalidRequest")
{
    echo "<h1 style = 'text_align:center; font-size:100px; font-
family:verdana; color: green;'> $msg </h1>";
    header("refresh:1; url=welcome1.php?". $msg);
}

?>

<!doctype html>
<html lang="en">
<head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1,
shrink-to-fit=no">

```

```

<!-- Bootstrap CSS -->
<link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/css/bootstrap.min.css"
integrity="sha384-
ggOyR0iXCbMQv3Xipma34MD+dH/1fQ784/j6cY/iJTQUOhcWr7x9JvoRxT2MZw1T"
crossorigin="anonymous">

<title>Online Notepad!</title>
</head>
<body>
<nav class="navbar navbar-expand-lg navbar-dark bg-dark">
<a class="navbar-brand" href="#">Online Notepad</a>
<button class="navbar-toggler" type="button" data-toggle="collapse" data-
target="#navbarNavDropdown" aria-controls="navbarNavDropdown" aria-
expanded="false" aria-label="Toggle navigation">
<span class="navbar-toggler-icon"></span>
</button>
<div class="collapse navbar-collapse" id="navbarNavDropdown">
<ul class="navbar-nav">
<li class="nav-item active">
<a class="nav-link" href="home.php">Home <span class="sr-
only">(current)</span></a>
</li>
<li class="nav-item">
<a class="nav-link" href="register.php">Register</a>
</li>
<li class="nav-item">
<a class="nav-link" href="login.php">Login</a>
</li>
<li class="nav-item">
<a class="nav-link" href="logout.php">Logout</a>
</li>

</ul>

<div class="navbar-collapse collapse">
<ul class="navbar-nav ml-auto">
<li class="nav-item active">
<a class="nav-link" href="#"> 
<?php echo "Welcome ". $_SESSION['username']?></a>
</li>

```

```

    </ul>
  </div>
</nav>

<div class="container mt-4">
<h3><?php echo "Welcome ". $_SESSION['username']?>! You can take notes
now!</h3>
<hr>

</div>

<div>

  <form action="" method="POST">
    <div class="container">

      <div class="mb-3">
        <label for="title" class="form-label">Title</label>
        <input type="text" class="form-control" id="title" aria-
describedby="emailHelp" name='title'>
        <div id="emailHelp" class="form-text">Choose a good title! </div>
      </div>

      <div class="form-group">
        <label for="description">Description</label>
        <textarea name="content" id="description" ></textarea>
      </div>

      <button type="submit" class="btn btn-primary" id="add"
name="add_to_list">Add to list</button>

    </form>

    <br><br><br><BR><h1>Your notes:</h1><br><hr><br>

    <?php
      $id = $_SESSION['id'];
      $rows = mysqli_query($conn, "select * from blog where
user_id='$id' order by date_published desc");
      $count = 1;
      while($row = mysqli_fetch_array($rows))
      {

        ?>

        <h2 > <?php echo $count++ ?>.   <?php echo $row[1]; ?> </h2><br>
        <h5> Date: <?php echo $row[3]; ?> </h5><br>

```

```
<form action="" method="POST">
    <input type = "hidden" name = "id" value = "<?php echo $row[0];
?>" />
    <button style="float: right; background-color: #f44336;"
type="submit" class="btn btn-primary" id="delete"
name="delete">Delete</button>
</form>

<form action="details.php" method="POST">
    <input type = "hidden" name = "id" value = "<?php echo $row[0];
?>" />
    <button type="submit" class="btn btn-primary" id="add"
name="open_details">Open</button>
</form>

<br>

<br><hr><br>

<?php
}

?>

<br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><br><b
r><br><br><br><br>
<hr>

<script src="http://localhost:80/ckeditor/ckeditor.js"></script>
<script>
    CKEDITOR.replace('content');

</script>

<script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/js/bootstrap.bundle.min
.js"
integrity="sha384-
ka7Sk0GlIn4gmtz2MlQnikT1wXgYsOg+OMhuP+IlRH9sENBO0LRn5q+8nbTov4+1p"
crossorigin="anonymous"></script>

</div>
```

```
<!-- Optional JavaScript -->
<!-- jQuery first, then Popper.js, then Bootstrap JS -->
<script src="https://code.jquery.com/jquery-3.3.1.slim.min.js"
integrity="sha384-
q8i/X+965Dz00rT7abK41JStQIAqVgRVzpbzo5smXKp4YfRvH+8abtTE1Pi6jizo"
crossorigin="anonymous"></script>
<script
src="https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.14.7/umd/popper.min.js
" integrity="sha384-
U02eT0CpHqdSJJQ6hJty5KVphtPhzWj9W01clHTMGa3JDZwrnQq4sF86dIHNDz0W1"
crossorigin="anonymous"></script>
<script
src="https://stackpath.bootstrapcdn.com/bootstrap/4.3.1/js/bootstrap.min.js"
integrity="sha384-
JjSmVgyd0p3pXB1rRibZUAYoIIy60rQ6VrjIEaFf/nJGzIxFDs4x0xIM+B07jRM"
crossorigin="anonymous"></script>
</body>
</html>
```