

K.S.RANGASAMY COLLEGE OF TECHNOLOGY

(Autonomous Institution)

TIRUCHENGODE-637215



A PROJECT REPORT

50 CS 504 – WEB TECHNOLOGY

V-Semester, III Year, 2019-2023 Batch

BACHELOR OF ENGINEERING

COMPUTER SCIENCE ENGINEERING

K.S. RANGASAMY COLLEGE OF TECHNOLOGY

(An Autonomous institution, affiliated to Anna University Chennai and Approved by AICTE, New Delhi)

TIRUCHENGODE - 637 215

PROJECT TITLE: FORM PAGE WITH DATABASE CONNECTIVITY

PROGRAMMING LANGUAGE:HTML,CSS,PHP

IDE TOOL:SUBLIME TEXT EDITOR

SUBMITTED BY

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YEAR:3rd YEAR

DEPT/SECTION:CSE - B

ABSTRACT:

HTML Forms can be seen everywhere today in all kinds of sites. These HTML forms are used to collect data or information or feedback etc., from the visitors of your site. There are Log In Forms, Registrations Forms, Contact Us Forms, among others.

TABLE OF CONTENT:

S.NO	CONTENT	PAGE.NO:
1	INTRODUCTION	4
2	DESIGN/IMPLEMENTATION	5
3	CODES	6
4	SNAPSHOTS AND RESULTS	12
5	CONCLUSIONS	15

INTRODUCTION:

HTML Forms are used to obtain kinds of user details and inputs, such as name, age, and email address. The forms used in the websites are formed with the help of different special elements known as ‘controls’ in HTML, for example, text areas, radio buttons, checkboxes, submit buttons, etc.

While using such forms, users or visitors enter the information or data by modifying these controls, for example, by entering texts or performing selection on specific items, etc. and then by submitting the form. When the form is duly filled, the submitted form adds data, or sends it or redirects it to another page or could also save the details in a database.

HTML Forms are easy to create. As all other HTML elements, to create a form we need an opening form tag (`<form>`) and a closing form tag (`</form>`), which in turn will use other attributes like `<fieldset>` elements, `<legend>` elements, `<input>` elements among others to create a fully functional form. of course, we have to use CSS for look and feel.

A registration form, however, is something that accepts a variety of data or information, like name, user name, password, date of birth, email address, among others, and this information is then subjected to processing that might include a display of the data on the next page or saving of data into a database and performing a successful registration.

When data that has been entered into HTML forms is submitted, the names and values in the form elements are encoded and sent to the server in an http request message using GET or POST. Historically, an email transport was also used.

The default MIME type (internet media type), `application/x-www-form-urlencoded`, is based on a very early version of the general URI percent-encoding rules, with a number of modifications such as newline normalization and replacing spaces with "+" instead of "%20". Another possible encoding, Internet media type `multipart/form-data`, is also available and is common for POST-based file submissions.

DESIGN AND IMPLEMENTATION:

We are going to design Student Registration Form in HTML with CSS using Table in HTML. A simple HTML Code for Student Registration Form that contains all necessary fields in the student registration form. Take an example, First-Name, Last-Name, Email ID, Mobile Number, Address, Hobbies, Course, Gender, Date-of-Birth, etc.

Let's see the creation of the Registration Form, ..

Create and add HTML form elements and their associated elements. Here we will create nested form-related or associated elements inside opening and closing Form tags. You can also 'add action' attribute to your <form> tag.

Add CSS for look and feel. This step is optional since without adding CSS as well, your form will register equally successfully. So for our registration form, I added a bit of the magic of CSS. When the above HTML code is executed, we see the following form displayed in our browser.

Now validations are a 'set of rules or instructions that a programmer sets for the user or the visitor of your web site. For example, a username should be of 5 to 8 characters, or Password can not have a special character and so on.

After a successful creation of form page we are creating a database with the help of localhost. After creating a new database a table is created with the columns referred from html tag names. Then the php file was created to link the html form to database to store the data which are entered by the visitors.

Finally the html page was opened with the help of localhost and run to check the performance.

Here is how a form normally works, step-by-step

- ❖ A user visits your web page which contains a form.
- ❖ The users' web browser displays the HTML form.
- ❖ The user fills out the form and clicks submits
- ❖ The browser sends the submitted form data to the web server
- ❖ A form processor script running on the web server processes the form data
- ❖ A response page is sent back to the browser.

SOURCE CODE:

PROJECT.HTML

```
File Edit Selection Find View Goto Tools Project Preferences Help
project.html style.css connect.php
1 <!DOCTYPE html>
2 <html>
3 <head>
4   <title>REGISTRATION FORM</title>
5   <link rel="stylesheet" type="text/css" href="style.css">
6 </head>
7
8 <body>
9   <h2>
10     New Student Data Registration Form
11   </h2>
12   <div id="form">
13
14
15   <form action="connect.php" method="POST">
16     <ul>
17       <li>First Name:<br> <input type="text" name="fname" placeholder="Ex:Saravanan" required ></li>
18       <li> Last Name:<br><input type="text" name="lname" placeholder="Ex:vijay" required></li>
19     </ul>
20
21
22     <ul>
23       <li>E-Mail Id:<br><input id="em" type="email" name="Mail" placeholder="Ex:vijay@gmail.com" required></li>
24     </ul>
25
26     <ul>
27       <li>Mobile Number:<br><input id="mb" type="text" name="mnumber" placeholder="Ex:9876543210" required></li>
28     </ul>
29
30
31     <ul>
32       <li>Date Of Birth:<br><input id="db" type="Date" name="dnumber" required>
33       </li>
34     </ul>
35
36     <ul>
37       <li> Gender:<br>
38         <select name="gen" required>
39           <option >Male</option>
40           <option>Female</option>
41         </select>
42       </li>
43     </ul>
44
45
46     <ul>
47       <li>
48         Father's Name:<br><input type="text" name="father" required>
49       </li>
50     </ul>
51
52     <ul>
53       <li>
```

project.html

style.css

connect.php

```

51
52 <ul>
53   <li>
54     Mother's Name:<br><input type="text" name="mother" required>
55   </li>
56 </ul>
57
58
59 <ul>
60   <li>
61     Address:<br><textarea id="add" rows="5" cols="35" name="add" required></textarea>
62   </li>
63 </ul>
64
65 <ul>
66   <li>
67     City:<br><input type="Address" name="city" required>
68   </li>
69 </ul>
70
71 <ul>
72   <li>
73     State:<br><input type="Address" name="state" placeholder="Tamil Nadu" required>
74   </li>
75 </ul>
76
77
78 <ul>
79   <li><br><br>
80     <p>
81       Hobbies:
82     </p>
83     <input class="hob" type="checkbox" name="Hobby[ ]" value="Drawing" />Drawing<br>
84     <input class="hob" type="checkbox" name="Hobby[ ]" value="Singing" />Singing<br>
85     <input class="hob" type="checkbox" name="Hobby[ ]" value="Dancing" />Dancing<br>
86     <input class="hob" type="checkbox" name="Hobby[ ]" value="Sketching" />Sketching<br>
87     <input class="hob" type="checkbox" name="Hobby[ ]" value="others" />Others
88   </li>
89 </ul>
90
91
92 <ul>
93   <li>
94     <br><br>
95     <p id="q">
96       Qualifications:
97     </p>
98     <input class="qua" type="radio" name="High" value="High School" />High School(10th)<br>
99     <input class="qua" type="radio" name="High" value="Higher School" />Higher School(12th)<br>
100    <input class="qua" type="radio" name="High" value="Graduation" />Graduation(Bachelors)<br>
101    <input class="qua" type="radio" name="High" value="Post Graduation" />PostGraduation
102   </li>
103 </ul>

```

```

93     <li>
94         <br><br>
95         <p id="q">
96             Qualifications:
97         </p>
98         <input class="qua" type="radio" name="High" value="High School" />High School(10th)<br>
99         <input class="qua" type="radio" name="High" value="Higher School" />Higher School(12th)<br/>
100        <input class="qua" type="radio" name="High" value="Graduation" />Graduation(Bachelors)<br/>
101        <input class="qua" type="radio" name="High" value="Post Graduation" />PostGraduation
102    </li>
103 </ul>
104
105 <ul>
106     <li class="oh"><br><br><br><p>Branch:</p>
107         <select class="opt1" name="dept" required >
108             <option>---</option>
109             <option>CSE</option>
110             <option>EEE</option>
111             <option>ECE</option>
112             <option>MECHANICAL</option>
113             <option>CIVIL</option>
114             <option>IT</option>
115             <option>NANO TECHNOLOGY</option>
116             <option>FOOD TECHNOLOGY</option>
117         </select>
118     </li>
119 </ul>
120
121 <ul>
122     <li class="sel">
123         <br><p>Course Applied:</p>
124         <select class="opt" name="course" required>
125             <option>---</option>
126             <option>BE (Bachelor Of Engineering)</option>
127             <option>B.TECH (Bachelor Of Technology)</option>
128             <option>ME (Master Of Engineering)</option>
129             <option>M.TECH (Master Of Technology)</option>
130         </select>
131     </li>
132 </ul>
133
134 <ul>
135     <li><br><br>
136     <input id="sub" type="submit" name="submit" value="SUBMIT"></li>
137 </ul>
138
139 </div>
140 </form>
141
142 </div>
143
144 </body>
145 </html>

```


STYLE.CSS

```
File Edit Selection Find View Goto Tools Project Preferences Help
project.html x style.css connect.php x
1 h2,h3
2 {
3     text-align:center;
4 }
5 body
6 {
7     font-family:sans-serif;
8     font-size:18px;
9     background-color:black;
10    color:white;
11    width: device-width;
12    float: middle;
13 }
14 input ,select,textarea
15 {
16     border:3px solid white;
17     padding:4px 20px;
18     margin-bottom:25px;
19     float:middle;
20     border-radius:10px;
21     font-weight:bold;
22 }
23 #form
24 {
25     float: left;
26     margin: 10px 200px 10px 330px;
27     border:2px solid white;
28 }
29 #sub
30 {
31     padding:10px;
32     margin-left: 60px;
33     padding-left:150px;
34     padding-right:150px;
35 }
36 #sub:hover,input:hover,select:hover,textarea:hover
37 {
38     background-color:black;
39     color:white;
40     transition: 0.3s;
41 }
42 ul li
43 {
44     list-style-type:none;
45     padding-left: 20px;
46     padding-right:60px;
47     float:left;
48 }
49 #db
50 {
51
52     list-style-type:none;
53     margin-right: 5px;
```

```
File Edit Selection Find View Goto Tools Project Preferences Help

project.html x style.css connect.php x

52 list-style-type:none;
53 margin-right: 5px;
54 padding-right:55px;
55 float:left;
56 }
57 select
58 {
59 padding-right: 60px;
60 padding-left: 80px;
61 }
62 #add
63 {
64 padding-right: 220px;
65 }
66 .hob
67 {
68 margin-left: 40px;
69 }
70 #q
71 {
72 margin-left: 90px;
73 }
74 .qua
75 {
76 margin-left: 100px;|
77 }
78 .oh
79 {
80 padding-left: 0px;
81 padding-right: 50px;
82 float: right;
83 margin-left: 0px;
84 }
85 .sel
86 {
87 padding-right: 0px;
88 padding-left: 0px;
89 padding: 0;
90 }
91 .opt1
92 {
93 padding-left: 0px;
94 padding-right: 80px;
95 padding-top: 4px;
96 padding-bottom: 4px;
97 }
98 .opt
99 {
100 padding-left: 0px;
101 padding-right:0px;
102 padding-top: 4px;
103 padding-bottom: 4px;
104 }
```

Line 76, Column 22





CONNECT.PHP

```
File Edit Selection Find View Goto Tools Project Preferences Help
project.html x style.css connect.php
1 <?php
2
3     $fname = $_POST['fname'];
4     $lname = $_POST['lname'];
5     $mail = $_POST['Mail'];
6     $mnum = $_POST['mnumber'];
7     $dob = $_POST['dnumber'];
8     $gen = $_POST['gen'];
9     $fa = $_POST['father'];
10    $mom = $_POST['mother'];
11    $add=$_POST['add'];
12    $city = $_POST['city'];
13    $state = $_POST['state'];
14    $hobby = $_POST['Hobby'];
15    $High = $_POST['High'];
16    $dept = $_POST['dept'];
17    $course= $_POST['course'];
18
19
20    $dbhost ="localhost";
21    $dbuser ="root";
22    $dbpass ="";
23    $db = "mydata";
24    $con = mysqli_connect($dbhost,$dbuser,$dbpass,$db);
25    $chk="";
26
27    foreach ($hobby as $chk1)
28    {
29        $chk.= $chk1.", ";
30    }
31
32    $sql = "INSERT INTO project(ID,FIRST_NAME, LAST_NAME,MAIL,MOBILE,DATE_OF_BIRTH,
33    GENDER,FATHER_NAME,MOTHER_NAME,ADDRESS,CITY,STATE,DEPARTMENT,COURSE,HOBBY,SCHOOLING)
34
35        values('0','$fname','$lname','$mail','$mnum','$dob',
36        '$gen','$fa','$mom','$add','$city','$state','$dept','$course','$chk','$High')";
37
38    if($con->query($sql))
39    {
40        echo '<script> alert ("Submitted Successfully..!")</script>';
41    }
42    else
43    {
44        echo "error".sql. $con->error;
45    }
46    $con->close();
47
48    ?>
49
```

Line 49, Column 1

SNAPSHOTS:(FULL PAGE)

New Student Data Registration Form

First Name:	Last Name:
<input type="text" value="Saravanan"/>	<input type="text" value="S"/>
E-Mail Id:	Mobile Number:
<input type="text" value="saravanan472002@gmail.co"/>	<input type="text" value="+918015196871"/>
Date Of Birth:	Gender:
<input type="text" value="07/04/2002"/> 	<input type="text" value="Male"/> 
Father's Name:	Mother's Name:
<input type="text" value="SithuRaj N"/>	<input type="text" value="Kavitha S"/>
Address:	
<input type="text" value="16D,Mettukadu,Attayampatti"/>	
City:	State:
<input type="text" value="Salem"/>	<input type="text" value="Tamil Nadu"/>
Hobbies:	Qualifications:
<input checked="" type="checkbox"/> Drawing	<input type="radio"/> High School(10th)
<input type="checkbox"/> Singing	<input checked="" type="radio"/> Higher School(12th)
<input type="checkbox"/> Dancing	<input type="radio"/> Graduation(Bachelors)
<input type="checkbox"/> Sketching	<input type="radio"/> PostGraduation
<input type="checkbox"/> Others	
Course Applied:	Branch:
<input type="text" value="BE (Bachelor Of Engineering)"/> 	<input type="text" value="CSE"/> 
<input type="button" value="SUBMIT"/>	

SNAPSHOT ON BROWSER:

The screenshot shows a web browser window with the address bar displaying `localhost:82/project/project.html`. The page contains a registration form with the following fields and options:

- City:** Text input field containing "Salem".
- State:** Text input field containing "Tamil Nadu".
- Hobbies:** A list of checkboxes with the following options:
 - ☒ Drawing
 - ☐ Singing
 - ☐ Dancing
 - ☐ Sketching
 - ☐ Others
- Qualifications:** A list of radio buttons with the following options:
 - ☐ High School(10th)
 - ☒ Higher School(12th)
 - ☐ Graduation(Bachelors)
 - ☐ PostGraduation
- Course Applied:** A dropdown menu showing "BE (Bachelor Of Engineering)".
- Branch:** A dropdown menu showing "CSE".
- SUBMIT** button.

SNAPSHOT AFTER SUBMISSION OF FORM:

The screenshot shows the same web browser window, but the address bar now displays `localhost:82/project/connect.php`. A modal dialog box is displayed in the center of the screen with the following content:

localhost:82 says
Submitted Successfully..!

There is an **OK** button at the bottom right of the dialog box.

SUBMITTED DETAILS ON DATABASE:

The screenshot shows the phpMyAdmin interface for a database named 'mydata'. The 'project' table is selected, and the 'SQL' tab is active. The table structure is visible, and the data is displayed in a table format. The table has 16 columns: ID, FIRST_NAME, LAST_NAME, MAIL, MOBILE, DATE_OF_BIRTH, GENDER, FATHER_NAME, MOTHER_NAME, ADDRESS, CITY, STATE, DEPARTMENT, and COURSE. The data is as follows:

ID	FIRST_NAME	LAST_NAME	MAIL	MOBILE	DATE_OF_BIRTH	GENDER	FATHER_NAME	MOTHER_NAME	ADDRESS	CITY	STATE	DEPARTMENT	COURSE
1	Saravanan	S	saravanan472002@gmail.com	+918015196871	2002-07-04	Male	SithuRaj N	Kavitha S	160 Mettukadu, Attayampatti	Salem	Tamil Nadu	CSE	BE (Bsc) Engines
2	Joseph	Vijay	vijay@gmail.com	+919676543210	1974-06-22	Male	S.A.Chandrasekhar	Shoba	84 Kaveri Street, Saligramam	Chennai	Tamil Nadu	---	---
3	Vignesh	S	viki707n@gmail.com	+918015196707	1998-07-10	Male	SithuRaj N	Kavitha S	160 Mettukadu, Attayampatti	Salem	Tamil Nadu	MECHANICAL	BE (Bsc) Engines

DATABASE TABLE:

TABLE NAME:project

The screenshot shows the phpMyAdmin interface for a database named 'mydata'. The 'project' table is selected, and the 'Structure' tab is active. The table structure is displayed in a table format. The table has 16 columns: ID, FIRST_NAME, LAST_NAME, MAIL, MOBILE, DATE_OF_BIRTH, GENDER, FATHER_NAME, MOTHER_NAME, ADDRESS, CITY, STATE, DEPARTMENT, and COURSE. The structure is as follows:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	ID	int(11)			No	None		AUTO_INCREMENT	Change Drop More
2	FIRST_NAME	varchar(20)	utf8_bin		No	None			Change Drop More
3	LAST_NAME	varchar(20)	utf8_bin		No	None			Change Drop More
4	MAIL	varchar(30)	utf8_bin		No	None			Change Drop More
5	MOBILE	varchar(15)	utf8_bin		No	None			Change Drop More
6	DATE_OF_BIRTH	date			No	None			Change Drop More
7	GENDER	varchar(10)	utf8_bin		No	None			Change Drop More
8	FATHER_NAME	varchar(20)	utf8_bin		No	None			Change Drop More
9	MOTHER_NAME	varchar(20)	utf8_bin		No	None			Change Drop More
10	ADDRESS	varchar(30)	utf8_bin		No	None			Change Drop More
11	CITY	varchar(20)	utf8_bin		No	None			Change Drop More
12	STATE	varchar(30)	utf8_bin		No	None			Change Drop More
13	DEPARTMENT	varchar(20)	utf8_bin		No	None			Change Drop More
14	COURSE	varchar(40)	utf8_bin		No	None			Change Drop More
15	HOBBY	varchar(30)	utf8_bin		No	None			Change Drop More
16	SCHOOLING	varchar(30)	utf8_bin		No	None			Change Drop More

CONCLUSION:

Finally the form page was created and linked to the database with the help of php codes and the datas are inserted successfully...