Project Report: SUB Registration Form

CSE-0318 Summer 2021

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I would like to thank my honourable**Khan Md. Hasib Sir** for his time, generosity and critical insights into this project.

***Abstract*—In this project making an course registration form for an university is to be developed with a front-end web interface and a back-end database. An example of the system would be SUB Registration. Any database can be chosen as the back-end such as MySQL. Any web server can be chosen for the front-end. Any server side language can be chosen such as PHP.**

***Index Terms*—MySQL: MySQL is a RDBMS based on SQL which is used for adding, removing and modifying information in the database.**

RDBMS: Relational Database Management System

HTML: Hypertext Markup Language is use to create interface element.

PHP: Hypertext Preprocessor

CSS: Cascading Style Sheet

I. INTRODUCTION

Student course registration are a vital part of any university's. A poor course registration system can mean fever student being take course in a new semester because of mistake or an overly slow response time. Student course registration is the project which is helpful for student and as the department . In this project the student facilitated by taking courses, implement their installment payment information and input their personal information. Through this system we overcome many problems. 1.Time and money saved. 2.Nothing to done manually.

II. LITERATURE REVIEW

An online student registration system streamlines the application, registration, and monitoring of students in a school or training institute. According to Morris Wall (1990), online registration systems are websites that allow users to sign up for memberships, events and training by completing a form. Online registration systems are replacing manual processes, such as registering by telephone, mail or at events using paper forms. Many universities and educational institutions have a wide range of courses, students and faculty (Wells 2001). Registering for classes on line reduces paperwork, personnel, cost and conserves resources. It has been defined by Ralph E. Johnson (1996) as a system where many of you register for courses online. The computer knows all the courses that are available each semester and also knows which ones you are taking. It makes sure that a student can't register for too many courses, and that a course is not oversubscribed.

III. FEASIBILITY ANALYSIS

This project system was developed where a student can register himself. The registration form has been designed to be user friendly and easy to fill by the students. The project can be undertaken with available technology and resources.

IV. MINIMUM REQUIREMENT

Hardware Requirements:

1.Pentium-III Processor with 512 MB RAM

2.Screen resolution viewing of at least 800*600 is required for proper and complete viewing of screens. Higher resolution will be accepted.

Software Requirements:

1.Operating system:- Windows XP/7/8.1/10

2.Application Software:- XAMPP, notepad++

V. PROPOSED METHODOLOGY

A. System Design

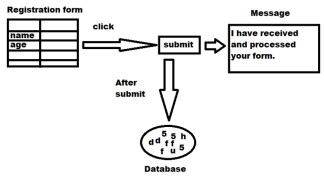


Fig. 1. system diagram.

B. Use Case Diagram

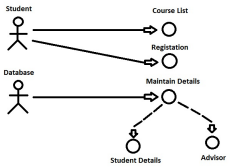
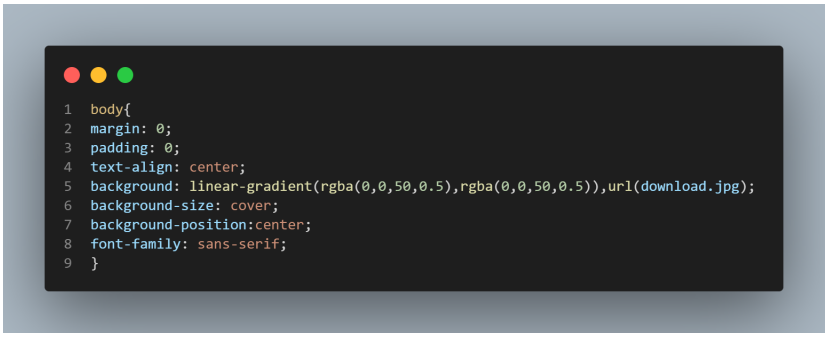
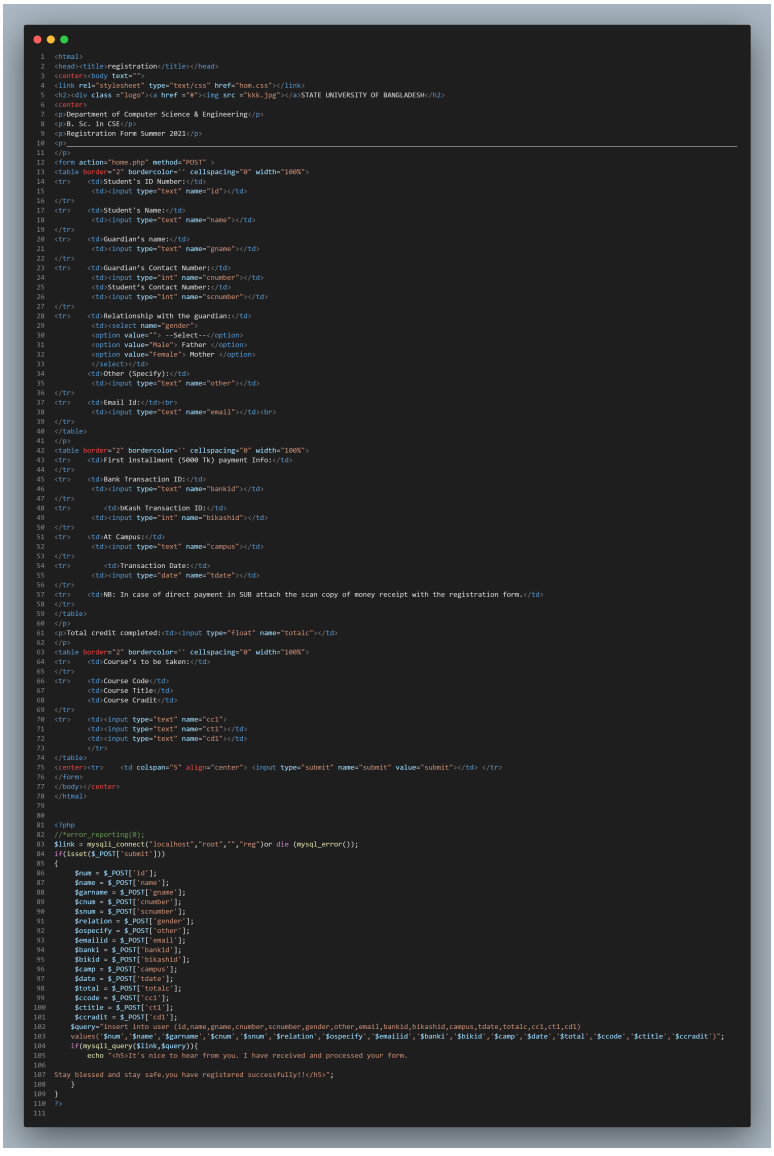


Fig. 2. system diagram.



```css
body{
margin: 0;
padding: 0;
text-align: center;
background: linear-gradient(rgba(0,0,50,0.5),rgba(0,0,50,0.5)),url(download.jpg);
background-size: cover;
background-position:center;
font-family: sans-serif;
}
```

Fig. 3. css code.



```html
<html>
<head><title>registration</title></head>
<center><body text="">
<link rel="stylesheet" type="text/css" href="hom.css"></link>
<h2><div class ="logo"><a href ="#"><img src ="kkk.jpg"></a>STATE UNIVERSITY OF BANGLADESH</h2>
<center>
<p>Department of Computer Science & Engineering</p>
<p>B. Sc. in CSE</p>
<p>Registration Form Summer 2021</p>
<p>_____
</p>
<form action="home.php" method="POST" >
<table border="2" bordercolor='' cellspacing="0" width="100%">
<tr>    <td>Student's ID Number:</td>
        <td><input type="text" name="id"></td>
</tr>
<tr>    <td>Student's Name:</td>
        <td><input type="text" name="name"></td>
</tr>
<tr>    <td>Guardian's name:</td>
        <td><input type="text" name="gname"></td>
</tr>
<tr>    <td>Guardian's Contact Number:</td>
        <td><input type="int" name="cnumber"></td>
        <td>Student's Contact Number:</td>
        <td><input type="int" name="scnumber"></td>
</tr>
<tr>    <td>Relationship with the guardian:</td>
        <td><select name="gender">
        <option value=""> --Select--</option>
        <option value="Male"> Father </option>
        <option value="Female"> Mother </option>
        </select></td>
        <td>Other (Specify):</td>
        <td><input type="text" name="other"></td>
</tr>
<tr>    <td>Email Id:</td><br>
        <td><input type="text" name="email"></td><br>
</tr>
</table>
</p>
<table border="2" bordercolor='' cellspacing="0" width="100%">
<tr>    <td>First installment (5000 Tk) payment Info:</td>
</tr>
<tr>    <td>Bank Transaction ID:</td>
        <td><input type="text" name="bankid"></td>
</tr>
<tr>        <td>bKash Transaction ID:</td>
        <td><input type="int" name="bikashid"></td>
</tr>
<tr>    <td>At Campus:</td>
        <td><input type="text" name="campus"></td>
</tr>
<tr>        <td>Transaction Date:</td>
        <td><input type="date" name="tdate"></td>
</tr>
<tr>    <td>NB: In case of direct payment in SUB attach the scan copy of money receipt with the registration form.</td>
</tr>
</table>
</p>
<p>Total credit completed:<td><input type="float" name="totalc"></td>
</p>
<table border="2" bordercolor='' cellspacing="0" width="100%">
<tr>    <td>Course's to be taken:</td>
</tr>
<tr>    <td>Course Code</td>
        <td>Course Title</td>
        <td>Course Credit</td>
</tr>
<tr>    <td><input type="text" name="cc1">
        <td><input type="text" name="ct1"></td>
        <td><input type="text" name="cd1"></td>
        </tr>
</table>
<center><tr>    <td colspan="5" align="center"> <input type="submit" name="submit" value="submit"></td> </tr>
</form>
</body></center>
</html>


<?php
//*error_reporting(0);
$link = mysqli_connect("localhost","root","","reg")or die (mysql_error());
if(isset($_POST['submit']))
{
     $num = $_POST['id'];
     $name = $_POST['name'];
     $garname = $_POST['gname'];
     $cnum = $_POST['cnumber'];
     $snum = $_POST['scnumber'];
     $relation = $_POST['gender'];
     $sospecify = $_POST['other'];
     $emailid = $_POST['email'];
     $banki = $_POST['bankid'];
     $bikid = $_POST['bikashid'];
     $camp = $_POST['campus'];
     $date = $_POST['tdate'];
     $total = $_POST['totalc'];
     $ccode = $_POST['cc1'];
     $ctitle = $_POST['ct1'];
     $ccradit = $_POST['cd1'];
    $query="insert into user (id,name,gname,cnumber,scnumber,gender,other,email,bankid,bikashid,campus,tdate,totalc,cc1,ct1,cd1)
    values('$num','$name','$garname','$cnum','$snum','$relation','$sospecify','$emailid','$banki','$bikid','$camp','$date','$total','$ccode','$ctitle','$ccradit')";
    if(mysqli_query($link,$query)){
        echo "<h5>It's nice to hear from you. I have received and processed your form.

Stay blessed and stay safe.you have registered successfully!!</h5>";
    }
}
?>
```

Fig. 4. htmal and php code.

Server: 127.0.0.1 » Database: reg » Table: user

Browse | Structure | SQL | Search | Insert | Export | Import | Privileges | Operations | Tracking | Triggers

Table structure | Relation view

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
1	id	varchar(20)	utf8mb4_general_ci		No	None			Change Drop More
2	name	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
3	gname	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
4	cnumber	int(20)			No	None			Change Drop More
5	scnumber	int(20)			No	None			Change Drop More
6	gender	text	utf8mb4_general_ci		No	None			Change Drop More
7	other	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
8	email	varchar(30)	utf8mb4_general_ci		No	None			Change Drop More
9	bankid	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
10	bikashid	int(20)			No	None			Change Drop More
11	campus	varchar(50)	utf8mb4_general_ci		No	None			Change Drop More
12	tdate	date			Yes	NULL			Change Drop More
13	totalc	float			No	None			Change Drop More
14	cc1	varchar(10)	utf8mb4_general_ci		No	None			Change Drop More
15	ct1	varchar(40)	utf8mb4_general_ci		No	None			Change Drop More
16	cd1	float			No	None			Change Drop More

Fig. 5. database.

STATE UNIVERSITY OF BANGLADESH

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Registration Form Summer 2021

Student's ID Number:			
Student's Name:			
Guardian's name:			
Guardian's Contact Number:		Student's Contact Number:	
Relationship with the guardian:	--Select--	Other (Specify):	
Email Id:			

First installment (5000 Tk) payment Info:	
Bank Transaction ID:	
bKash Transaction ID:	
At Campus:	
Transaction Date:	mm / dd / yyyy
NB: In case of direct payment in SUB attach the scan copy of money receipt with the registration form.	

Total credit completed:

Course's to be taken:		
Course Code	Course Title	Course Cradit

submit

Fig. 6. output of this project.

VI. Conclusion

This project was developed keeping in mind the functionalities for students and advisors. This project provides all the functionalities specified in the project document. I tried to simulate the real world environment by generating loads of data from the university itself. Much functionalities can be added over the existing one so that the system has more enhanced features and its more efficient.

VII. Future Work

Added a login interface for students and advisor and a option for advisor to see who submitted registration form.

References

[1] Bours, G. J., Halfens, R. J., Lubbers, M., & Haalboom, J. R. (1999). The development of a national registration form to measure the prevalence of pressure ulcers in The Netherlands. Ostomy/wound management, 45(11), 28-33.

[2] Lobo, A., Huyse, F. J., Herzog, T., Malt, U. F., & Opmeer, B. C. (1996). The ECLW collaborative study II: patient registration form (PRF) instrument, training and reliability. Journal of psychosomatic research, 40(2), 143-156.