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Chapter 1

Introduction

Our Mini Project for the fourth semester is **Online exam registration and Hall Ticket Generation.**

This project has a simple user interface with two services

1)Registration for B.E Main Examination

2)Hall Ticket for B.E Main Examination

It's the user who wishes to opt for any of the above service and act accordingly .

1.1 Purpose

Online Exam Registration is the best way to register for the Examination by filling all the essential details in the application form provided in the website. The main objective of the project is to provide online application service for B.E students who are to write Semester Main examination. So that the Candidates can apply online for the Examination and will be able to generate hall ticket for the examination conducted by the college.

This initial website's(interface) main moto is to have an admin login which creates to have an access to the data of the applicants. An admin can analyse the details of the applicants and change the status of the application.

All the stakeholders who are involved with the product in one form

or other intend the use of this document. Examples of users who will use this document extensively are

1.Admin(college authorities)

2.Applicants of semester Main Exam

1.2 Scope

Primary goals of **B.E Main** website are to build the basic functional requirements specified.

The website is intended to combine all the essential features for a group of people. The features include a registration service, newsletter, database of B.E courses, department updates, gallery, contact information etc.

By bringing all the services B.E Main website would stand as medium to connect applicants with the department. More specifically this website would combine all the services regarding B.E Main Exam registration, hall ticket generation, contact information so that applicant would respond for the application process. Thus, reduces the burden for a person to go around different places for different uses.

Chapter 2

Project Description

In the first part of the project there is a "Demogot.html" file in the desktop.When we run this file or open it with a web browser there is a website opened which displays two messages.

1)Registration for B.E Main Examination

On clicking this ,the candidate is redirected to the registration page for the Examination,where he needs fill all details like name,branch,mother's name,father's name etc. Some of these fields are mandatory to fill and some are validated.

Finally,the candidate can submit the form.

2)Hall Ticket for B.E Main Examination

In this the candidate is asked to fill the details like full name of the candidate,email and branch.All these fields are mandatory. After filling these **fields** the candidate will be able to download the hall ticket for the examination if the application is accepted by authorities.Else his application status is shown as pending.

In our project we have enabled Online registration for B.E Main examination for the students of Vasavi college Of Engineering. Once the student completes registration online, the details of the registration are sent to administration database .Once the administrator accepts the registration after verifying the details

provided by the candidate , the candidate ,then ,will be able to download the hall ticket for the registered examination.

This project contains a Front end and a back end.These are widely used for any web design along with data base.

Front end is user friendly with which user can use the interface services provided by the front end and the back end mainly supports administrative level.Candidate can register to the Main examination through the Online application form which has some mandatory fields to be filled.

Once the valid registration is done there will be a pop-up displaying "successful insertion" and the data entry is done into the data base which can be accessed by the administrative authorities.After the verification the admin can login through the admin portal and accept the application.Thus ,only then the candidate can download the Hall ticket.

Chapter 3

Technology

3.1 Overview of Technology used

Operating environment

This website based on languages HTML, CSS and javascipt. So, it needs to be opened in a browser. The supported browsers for this application are Microsoft Edge, IE9, Google Chrome, Mozilla Firefox. The website scope also works in its mobile versions. The backend of the website is done using PHP, and SQL.

Frontend

In this website frontend is designed using HTML,CSS and bootstrap.The registration form for the applicants data is designed completely using HTML and CSS.

Back end

For backend we used Php and Mysql.Php is a source general scripting languages generally used for web development. Using Php we create a dynamic contents that interact with databases.MySql is used to manage the database systems and to create database using localhost

3.2 Software requirements

We use wamp software to create a localhost and run over php file by

starting the Apache server in wamp application.By enabling the apache server which creates a local server. The editor we used is visual studio code.We need a web browser to run our files in localhost.

Implementation

This website contains many php files and sql file. To run this website we need a localhost we executes php files.In this website we used Wamp software to create localhost which runs our php files.The Apache server is to be started in Wamp software which creates a localhost to run our php files.

Wamp is software application which can be downloaded from google browser.

To run files in Wamp we need to place our file in htdocs folder of Wamp which is located in Windows C. After copying our file in htdocs we should apache server from Wamp application.Using our browser we run our file on localhost using localhost/filename.

To create a database that is compatible with our php file.We need PhpMyAdmin,is a free software tool written in php,intended to handle the administration of MySQL over the web. To start phpmyadmin in our localhost we have to MySQl server in Wamp

software application.

Localhost/PhpMyAdmin open the tool to create our own database.

In PhpMyadmin we create our database named pg.To create tables for our data base in localhost server, we should copy the code of our SQL file in structure of this tool. This creates a table with specified number of columns and input types as mentioned in our database file.This gives the complete administration of the SQL database of our project.

In this project our database file is pg.sql which contains one table named users . Users table contains a total of 24 columns(`id`, `department`, `cname`, `fname`, `focc`, `mname`, `addr`, `mobno`, `email`, `dob`, `addr1`, `empd`, `empd2`, `im_board`, `im_clg`, `im_div`, `im_agg`, `im_passDate`, `be_board`, `be_clg`, `be_div`, `be_agg`, `be_passDate`, `status`).

This project is present in the folder named pg.

When we run this file using localhost at first Demo.html file runs in the browser. This file which is nothing but the homepage of our website which directs to the registration ,Admin login,Generate Hallticket services.

Registration service directs the browser into the file named newuser.php. This page is the applcation form need to be submitted by the applicant.

This form is userfriendly which validates email, date of birth, mobile number and other details.On Submission of this form the details entered in the form are stored in the database which we can verify using our localhost PhpMyAdmin tool.

Applicants only work is to fill the form with the correct details. The data of applicant can only be accessed by the admin.

Chapter 4

Coding

Front End Of the website

The Front End Of The Website Is Developed By Using The Languages Like Html,Css And Bootstrap.

Html:

In Order To Develop The Frontend Of The Website Html,Css And Bootstrap Have Been Used.

In Html , We Have Used The General Tags Like <P> ,<A> ,<Img> Etc., To Display The Content In The Browser And The Table Has Been Used To Display The "Important News" Category In The Website.<Div> Tag Has Been Used To Define A Division Or A Section In An Html Document And Is Often Used As A Container For Other Elements To Style Them With Css Or To Perform Certain Tasks With Java Script.

The Class Attribute Is Mostly Used To Point To A Class In A Stylesheet.It Specifies One Or More Names For An Element.

The Style Attribue Specifies An Inline Style For An Element.

<A> Tag Has Been Used To Include An Hyperlink And <Href=" "> Tag Refers To The Link Pointed By The Hyperlink.

<Img> Tag Has Been Used To Insert An Image And The

<Src=" "> Refers To The The Image Location.

<Tr> Tag Has Been Used For The Table Rows And <Td> Has Been Used For The Table Cells.

Bootstrap:

The Main Use Of The Bootstrap Is For The Styling Purpose.

The Bootstrap Link Used In The Html Document For The Styling Purpose Is

<Link Href="Https://Stackpath.Bootstrapcdn.Com/Bootswatch/3.4.1/Cosmo/Bootstrap.Min.Css" Rel="Stylesheet" Integrity="Sha384-6sqbkr6/V7qgeofg1os3kf4ujmfxp6vxm6vlcsbbwwhlljdb4fqkwmiylthwggn4" Crossorigin="Anonymous">

The Above Has Been Taken From The Website
"Https://Www.Bootstrapcdn.Com/Bootswatch/ "

The "Container" Is The Class Attribute Usedin The Div Tag For The Styling Purpose And For Tables "Table   Table-Hover" Is The Class Attribute For The Styling Purpose And

For The Image "Img-Thumbnail" Is Used As The Class Attribute And For All The Rows The Value Of The Class Used Is "Warning".

The Code Used To Develop The Front End

```html
<!DOCTYPE html>
<html>
<head>
  <title>website </title>
  <link
href="https://stackpath.bootstrapcdn.com/bootswatch/3.4.1/cosmo/bootstrap.min.css"
rel="stylesheet" integrity="sha384-
6SQbkR6/v7QGEoFg1os3KF4uJMFxP6vxm6vLCSbbwwHllJdb4FqkWMiYLtHWGGN4"
crossorigin="anonymous">

  </head>
<body>
  <div class="container">

  <p style="font-family: Calibri; color: #0f0f0f; margin-top:0; margin-bottom:0"><font
size="10">Controller Of Examinations</font></p>
  <p><font size="6">Vasavi College of Engineering,Hyderabad</font></p>
  <p><a href="http://localhost/pg/PG/newuser.php"><font size="4">REGISTRATION FOR B.E
MAIN EXAMINATION</font></a></p>
  <p><a href="http://localhost/pg/PG/form/form.html"><font size="4">HALL TICKET FOR
B.E MAIN EXAMINATION</font></a></p>
```

Back End Of The Website

The Following Is The Code For The Registration Form For The Student.

Code:"Newuser.Php"

```php
<?php

/**
 * Use an HTML form to create a new entry in the
 * users table.
 *
 */



if (isset($_POST['submit'])) {
    require "config.php";
    require "common.php";

    try {
        $connection = new PDO($dsn, $username, $password, $options);




    $new_user = array(
        "department" => $_POST['department'],
//      "caste"  => $_POST['caste'],
//   "cat"    => $_POST['cat'],
    "cname"    => $_POST['cname'],
    "fname"    => $_POST['fname'],
    "focc"    => $_POST['focc'],
    "mname"    => $_POST['mname'],
    "addr"    => $_POST['addr'],
```

```php
  "mobno"     => $_POST['mobno'],
  "email"     => $_POST['email'],
  "dob"     => $_POST['dob'],
  "addr1"     => $_POST['addr1'],
  "empd"     =>"sfglknsf",
  "empd2"     => "nfbvfn",
// "ssc_board"    => $_POST['ssc_board'],
  //"ssc_inst"    => $_POST['ssc_inst'],
  //"ssc_div"    => $_POST['ssc_div'],
// "ssc_agg"    => $_POST['ssc_agg'],
  //"ssc_passDate"    => $_POST['ssc_passDate'],
  "im_board"    => $_POST['im_board'],
  "im_clg"    => $_POST['im_clg'],
  "im_div"    => $_POST['im_div'],
  "im_agg"     => $_POST['im_agg'],
  "im_passDate"    => $_POST['im_passDate'],
  "be_board"    => $_POST['be_board'],
  "be_clg"    => $_POST['be_clg'],
  "be_div"    => $_POST['be_div'],
  "be_agg"     => $_POST['be_agg'],
  "be_passDate"     => $_POST['be_passDate'],
  //"msc_board"    => $_POST['msc_board'],
  //"msc_clg"    => $_POST['msc_clg'],
  // "msc_div"    => $_POST['msc_div'],
   // "msc_agg"     => $_POST['msc_agg'],
     //"msc_passDate" => $_POST['msc_passDate'],
  "status"  =>"pending"


  );



  $sql = sprintf(
      "INSERT INTO %s (%s) values (%s)",
      "users",
      implode(", ", array_keys($new_user)),
```

```php
            ":" . implode(", :", array_keys($new_user))
    );

    $statement = $connection->prepare($sql);
    $statement->execute($new_user);

    $message = "User Inserted successfully";
    echo "<script type='text/javascript'>alert('$message');</script>";

  } catch(PDOException $error) {
    echo $sql . "<br>" . $error->getMessage();
  }
}
?>
```

This is php part code of "newuser.php" file this show what variables are created and inputted from the form filled by the application.

```php
    $sql = sprintf(

        "INSERT INTO %s (%s) values (%s)",

        "users",

        implode(", ", array_keys($new_user)),

        ":" . implode(", :", array_keys($new_user))

    );
```

```php
$statement = $connection->prepare($sql);

$statement->execute($new_user);

} catch(PDOException $error) {

echo $sql . "<br>" . $error->getMessage();

}

}

?>
```

This is the code to connect to the pg database .This stores the contents of

Array newuser created in php into the respective rows of the table named user in the database.

Phpmyadmin Is Used To Insert The Tables In The Database.When The Sqlquery Is Written In That It Creates The Database.

Chapter 5

Outputs

Controller Of Examinations

Vasavi College of Engineering,Hyderabad

REGISTRATION FOR B.E MAIN EXAMINATION

HALL TICKET FOR B.E MAIN EXAMINATION

Vasavi College of Engineering

<u>Application Form for B.E Main Exam</u>

Please select the proper options.(* required fields)

Department to which Candidate belongs to:*
○CSE ○ECE ○MECH ○EEE ○CIVIL

1.Full name of the candidate *   [   ]

2. a) Father's / Guardian's Name*   [   ]

Welcome

Username

Password 👁

LOGIN

Don't have an account? Sign Up

Generate Hall Ticket

Chapter 6

Conclusion and Future Scope

Conclusion

By our project "online Exam registration and hall ticket generation" one can apply for the B.E Main exam online and if the applicaton is accepted they can generate the hall ticket

This project has helped us improve our knowledge on languages like php,html etc. Online resources for these languages contributed much for the success of our project. Also we got to know on how to work with database.

Future Scope

This project may be really implemented in future as our college do not have this type of online registration for B.E main exam and can be further developed as per the requirement or by altering the languages used in this.

References

https://www.w3schools.com/

https://www.bootstrapcdn.com/bootswatch/