

ONLINE EXAMINATION PORTAL

Submitted as a part of PHP
Course Requirement
By

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DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

I, Arul Saxena RA1711003010971 and Muskaan Dhadwal RA1711003011037 studying in III year B.Tech, Computer Science and Engineering at SRM Institute of Science and Technology, Kattankulathur, Chennai, hereby declare that this Mini project is an original work of ours and we have not verbatim copied / duplicated any material from sources like internet or from print media, excepting some vital company information / statistics and data that is provided by the technical organizations itself.

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ACKNOWLEDGEMENT

We would like to express our sincere gratitude to Mrs. M. Meenakshi for her continuous encouragement and supervision throughout the completion of this mini project.

The interactive sessions provided on the same were highly enlightening and helped to expand and broaden our knowledge of the subject of Php.

ABSTRACT

With Educational institutions evolving over the years, due to the rapid technological advancements, it is now easier for teachers to conduct interactive learning sessions, map students' knowledge, and create progress reports. One of the most popular examples of technological growth in education is the shift from traditional classroom/paper-based exams to online examination modes.

Online examination is conducted on web-enabled devices like laptops and desktop computers. These exams or tests help to accurately assess a student's knowledge in a wide range of subjects. The main advantage of this examination system is that it can be used to administer paper-less tests and also get instant test results.

This project is an accumulation of various programming languages like PHP, CSS, HTML , SQL and various software like XAMP to build an interactive platform for both students and teachers. It helps in easy registration and Keeps a track of various subject list for the ease of the user.

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CHAPTER 1

SCREEN SHOTS

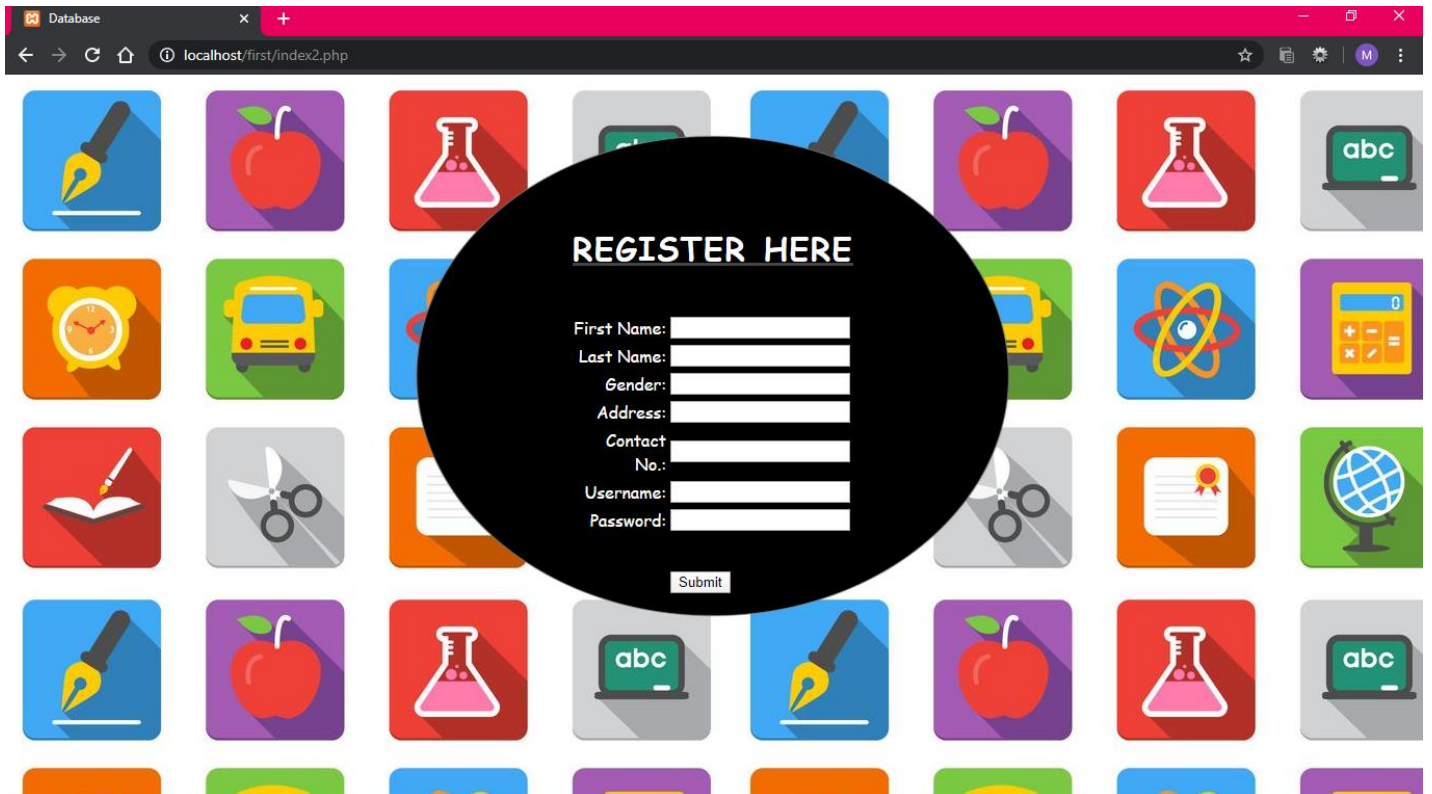
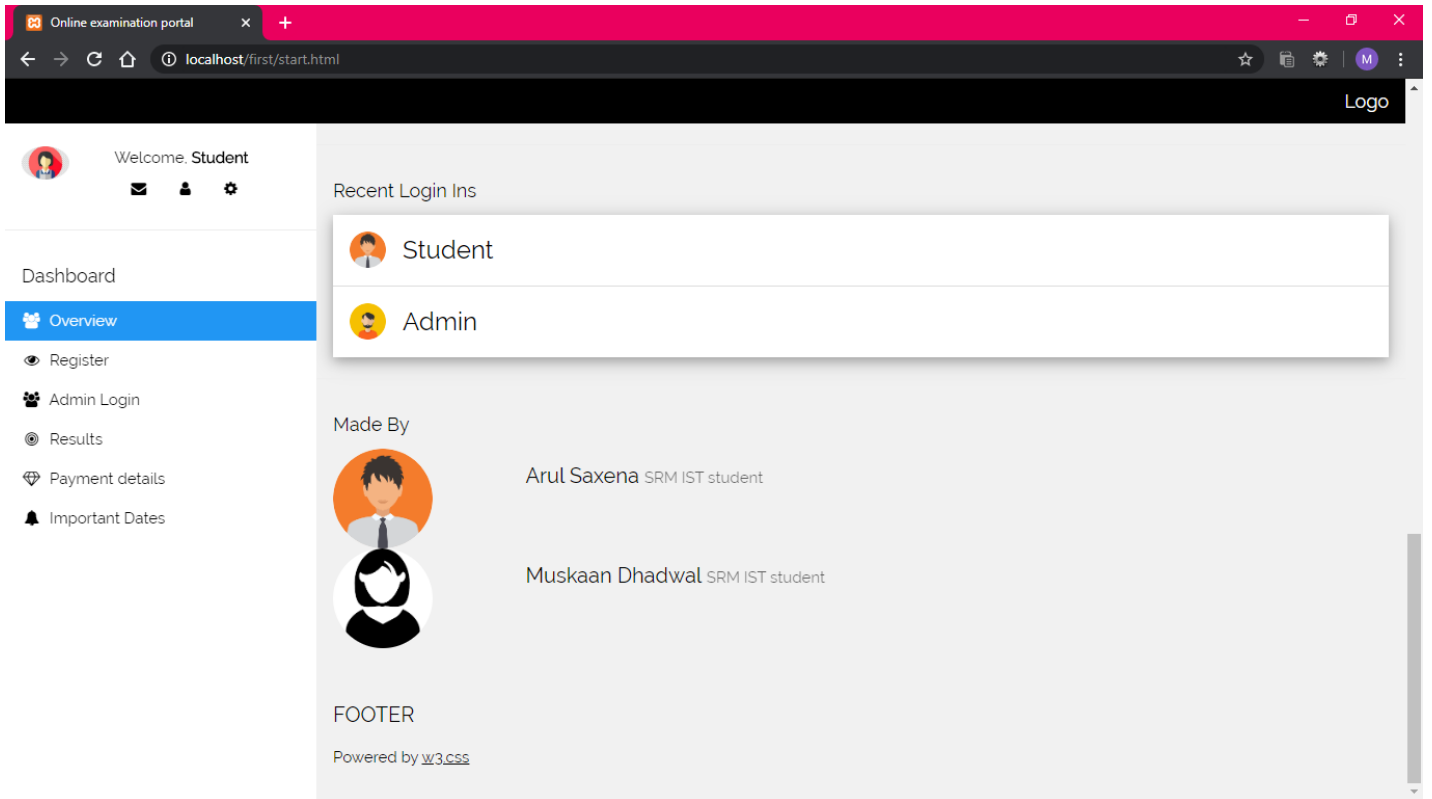
The screenshot shows the 'My Dashboard' section of the online examination portal. It features four main action buttons: Register (red), Login (blue), Result (teal), and Payment (orange). Below these, there is an 'Exams' section with a clock and test paper icon, and a 'Subject List' table.

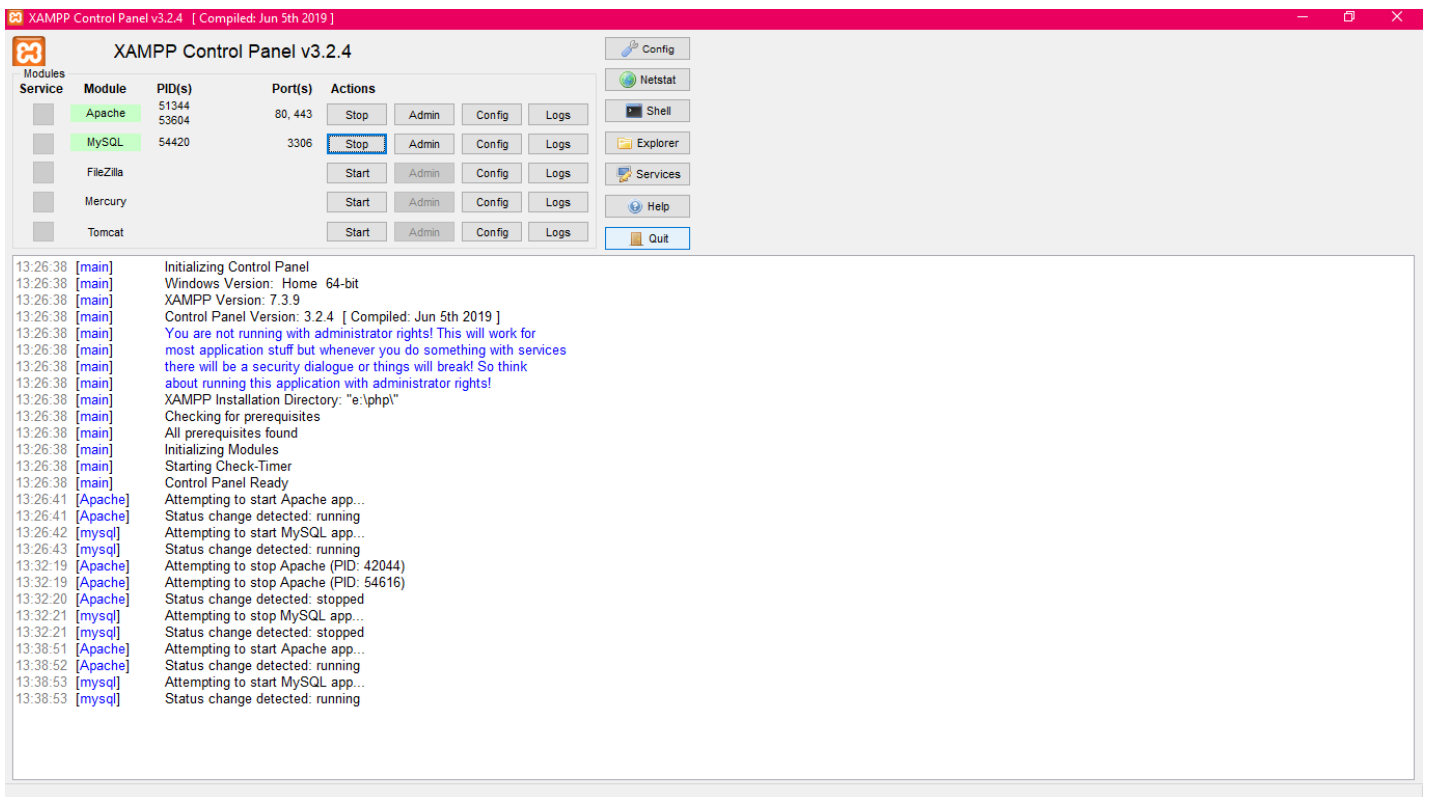
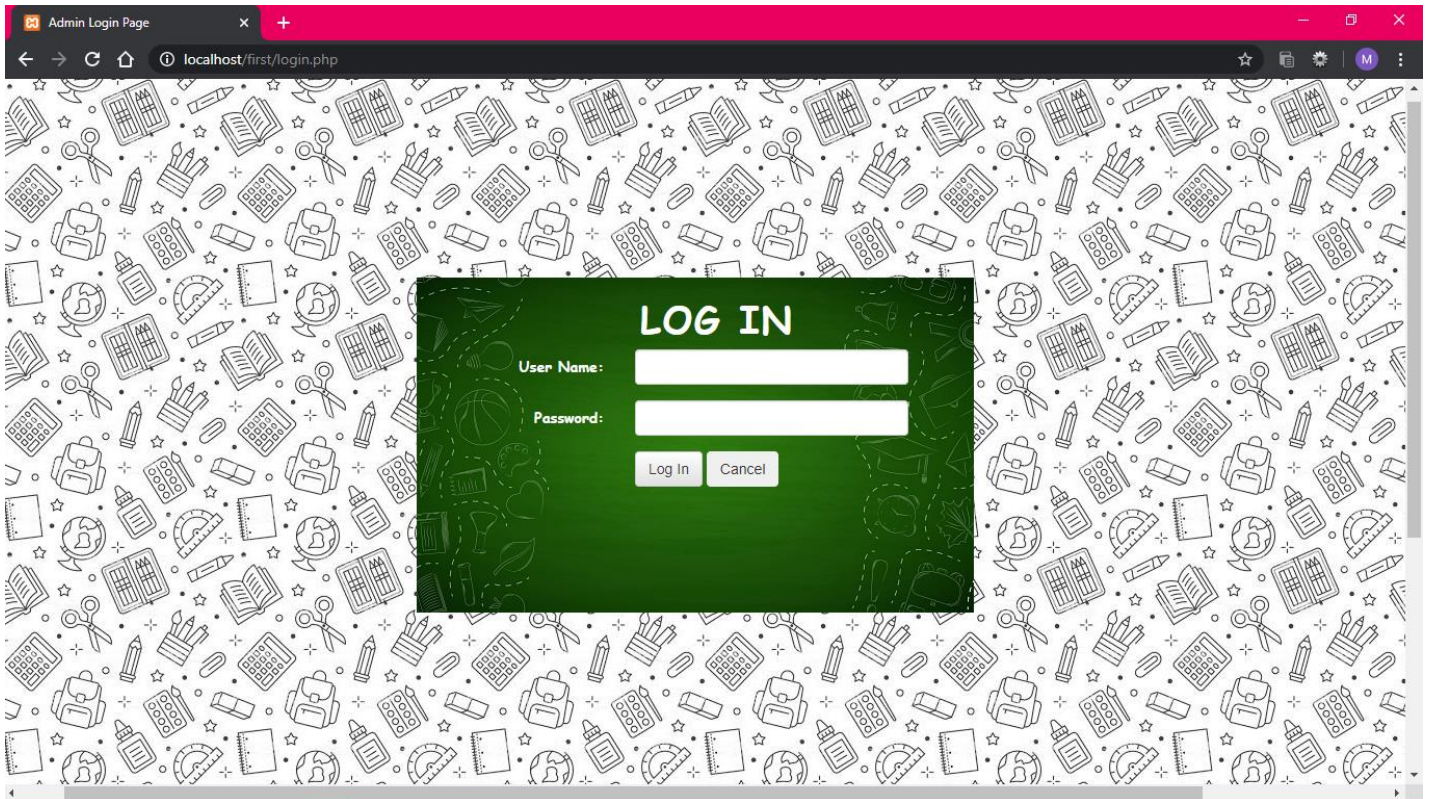
Subject	ID
Python.	id: 101
TOC.	id: 102
Computer Networks.	id: 103
DBMS.	id: 104
Maths.	id: 105
Aptitude.	id: 106
PHP.	id: 106

General Stats
New Students

The screenshot shows the 'New Students' and 'Subject Pass Percentile' sections of the online examination portal. The 'New Students' section includes a progress bar for '+10%' and a bar chart for 'Avg. Test performance' at 80%. The 'Improvement' section shows a bar chart at 55%. The 'Subject Pass Percentile' table lists the pass percentages for various subjects.

Subject	Pass Percentile
Python	65%
TOC	80%
Computer Networks	55%
DBMS	50%
Maths	85%
Aptitude	79%





CHAPTER 2

INTRODUCTION

1.1 General Introduction

PHP is an acronym for "PHP: Hypertext PHP Pre-processor". It is a server scripting language, and a powerful tool for making dynamic and interactive Web pages. PHP is a widely-used, free, and efficient alternative. It is free to download and use. PHP files can contain text, HTML, CSS, JavaScript, and PHP code. PHP code is executed on the server, and the result is returned to the browser as plain HTML. The files have extension ".php". PHP runs on various platforms (Windows, Linux, Unix, Mac OS X, etc.). It is compatible with almost all servers used today (Apache, IIS, etc.) and supports a wide range of databases.

Online Examination Portal is a complete system where you can find information about online examination for the particular institutes, organizations, coaching centers, etc. It is dedicated to provide a safe and stable platform for examiners to create and organize internal and external exams. It assists the students and educational institutes transcend geographical boundaries and time restraints in the chore of constant evaluation of pupil functioning. The online Exam Portal provides intensive tools to administer, monitor and grade exams on-line. Online Exam portal is primary want for colleges, universities, teachers, professors, Employees, Partners, Technicians, web site Members, the overall Public, or anyone you would like to allow secure access to their content.

In this project we have limited ourselves in building a small database .The database has been normalized to remove any redundancy and hence improve the overall user experience.Php acts as main scripting language throughout the implementation of the project along with occasional usage of CSS along with HTML as basic styling languages. XAMP helps to link the SQL database with frontend and hence create a website that is interactive and engaging with emphasis laid on the overall user experience.

CHAPTER 3 DATABASE

2.1 Tables

TABLE 1: Student

ID	First Name	Last Name	Gender	Contact	Address	Username	Password
1	Muskaan	Dhadwal	Female	9418458460, 8219189236	Shimla	muskaan	Mj#@199
2	Arul	Saxena	Male	9418464387	Delhi	arul	Ar_23#12
3	Gaurav	Rai	Male	7432567980 8954673321	Indore, Chennai	gaurav	gav@187
4	Tashya	Saxena	Female	9876756543	Pune	tashya	Tsah#*123

TABLE 2: Coordinators

COR_ID	NAME	VENUE	TIME SLOT	DATE
101	ARUSHI	TP-808	FORENOON	22-NOV-2019 27-NOV-2019
102	ANKUSH	UB-1204	FORENOON	11-NOV-2019
103	RAJAT	TP-304	FORENOON	10-NOV-2019 10-NOV-2019
104	SONAL	TP-909	AFTERNOON	22-NOV-2019

TABLE 3: Exam details

SUBJECT CODE	DATE	TIME SLOT	VENUE	SUBJECT NAME
15MA909	23-NOV-2019	FORENOON	TECHPARK	Maths
15LA298J	27-NOV-2019	FORENOON	UB	Language-II
15IT504	11-NOV-2019	AFTERNOON	TECHPARK	PHP
15CS303	11-NOV-2019	FORENOON	TECHPARK	Python
15DS222J	12-NOV-2019	AFTERNOON	TECHPARK	DBMS
15MA909	22-NOV-2019	FORENOON	UB	Maths-II

TABLE 4: Result Details

SUBJECT CODE	REG NO.	STATUS
15MA909	037	pass
15LA298J		
15IT504	971	pass
15CS303	977	fail
15DS222J		
15MA909	088	pass

4.1 CODE:
START PAGE:

```
start.html — C:\xampp\htdocs\first — Atom
File Edit View Selection Find Packages Help

start.html
106 <h5>Exams</h5>
107 
108 </div>
109 <div class="w3-twothird">
110 <h5>Subject List</h5>
111 <table class="w3-table w3-striped w3-white">
112 <tr>
113 <td><i class="fa fa-user w3-text-blue w3-large"></i></td>
114 <td>Python.</td>
115 <td><i>101 </i></td>
116 </tr>
117 <tr>
118 <td><i class="fa fa-bell w3-text-red w3-large"></i></td>
119 <td>TOC.</td>
120 <td><i>102</i></td>
121 </tr>
122 <tr>
123 <td><i class="fa fa-users w3-text-yellow w3-large"></i></td>
124 <td>Computer Networks.</td>
125 <td><i>103</i></td>
126 </tr>
127 <tr>
128 <td><i class="fa fa-comment w3-text-red w3-large"></i></td>
129 <td>DBMS.</td>
130 <td><i>104</i></td>
131 </tr>
132 <tr>
133 <td><i class="fa fa-bookmark w3-text-blue w3-large"></i></td>
134 <td>Maths.</td>
135 <td><i>105</i></td>
136 </tr>
137 <tr>
138 <td><i class="fa fa-laptop w3-text-red w3-large"></i></td>
139 <td>Aptitude.</td>
140 <td><i>106</i></td>
141 </tr>
142 <tr>
143 <td><i class="fa fa-share-alt w3-text-green w3-large"></i></td>
144 <td>WP.</td>
145 <td><i>106</i></td>
146 </tr>
147 </table>
148 </div>
149 </div>
150 <div>
151 <div class="w3-container">
152 <h5>General Static</h5>
153 <p>New Students</p>
154 <div class="w3-grey">
155
```

The image shows a code editor window with a dark theme. The title bar at the top reads "start.html — C:\xampp\htdocs\first — Atom". The menu bar includes "File", "Edit", "View", "Selection", "Find", "Packages", and "Help". The editor is split into two panes. The left pane, titled "start.html", contains HTML code with line numbers 150 through 200. It features several Bootstrap 3 containers with different background colors (green, orange, red, grey) and widths, and a table with 3 columns and 5 rows. The right pane, titled "result.php", is currently empty. The status bar at the bottom shows "start.html 127:15", "CRLF", "UTF-8", "HTML", "GitHub", and "Git (0)".

Login Page:

The screenshot shows a Windows desktop environment. At the top, a taskbar displays various application icons including File Explorer, Edge, and several instances of a code editor. The code editor is open to a file named `login.php`, which contains a PHP script for a login page. The script includes logic for handling a 'cancel' button, redirecting to `game.php`, and validating user credentials against a stored hash. It also includes HTML output for the login form and error messages.

```

1  <?php
2  if ( isset($_POST['cancel']) ) )
3  {
4      // Redirect the browser to game.php
5      header("Location: index.php");
6      return;
7  }
8  $salt = "XyZy1234";
9  $stored_hash = "1a52e17fa809cf40fb04cfc42e6352f1"; // Po is php123
10 $failure = false;
11 if ( isset($_POST['admin']) && isset($_POST['pass']) )
12 {
13     if ( strlen($_POST['admin']) < 1 || strlen($_POST['pass']) < 1 )
14     {
15         $failure = "User name and password are required";
16     }
17     else
18     {
19         $check = hash('md5', $salt.$_POST['pass']);
20         if ( $check == $stored_hash )
21         {
22             header("Location: exam1.php?name=".urlencode($_POST['admin']));
23             return;
24         }
25     }
26     else
27     {
28         $failure = "Incorrect password";
29     }
30 }
31 }
32 // Fall through into the View
33 }
34 <!DOCTYPE html>
35 <html>
36 <head>
37 <?php require_once "bootstrap.php"; ?>
38 <title> Admin Login Page</title>
39 </head>
40 <div class="example">
41 <body id="space" >
42 <div class="container" >
43 <div id="demoFont">
44 <h1 style="font-family:Comic Sans MS;color:white;padding-left:200px;"><strong>Log In </strong></h1>
45 </div>
46 <?php
47 if ( $failure != false )
48 {
49     echo('<p style="color: red;">'.htmlentities($failure)."</p>");
50 }
51

```

Below the code editor, a terminal window is open, displaying the command `php -f login.php` and its output, which shows the login process being executed. The terminal output includes the command, the file path, and the result of the execution.

The screenshot shows a Windows desktop environment. In the foreground, a web browser window displays a login page titled "Admin Login Page". The page has a dark background with a light blue header and a white login form. The form contains a text input for "Name" and a password input for "Password", both with blue borders and rounded corners. Below the inputs are two buttons: "Log In" (blue) and "Cancel" (white with a blue border). A red error message "Invalid username or password" is displayed above the password input. At the bottom of the page, there is a footer with a copyright notice and a hint to view the source code.

In the background, a code editor window (Atom) is open, showing the source code of the login.php file. The code is written in PHP and HTML, using Bootstrap for styling. It includes a header with a title and a main content area with a login form. The form uses Bootstrap classes for layout and styling. The code also includes a PHP script to handle the login logic, which checks the username and password against a database and displays an error message if the credentials are invalid.

Registration Page:

```
index2.php — C:\xampp\htdocs\first — Atom
File Edit View Selection Find Packages Help

start.html index2.php

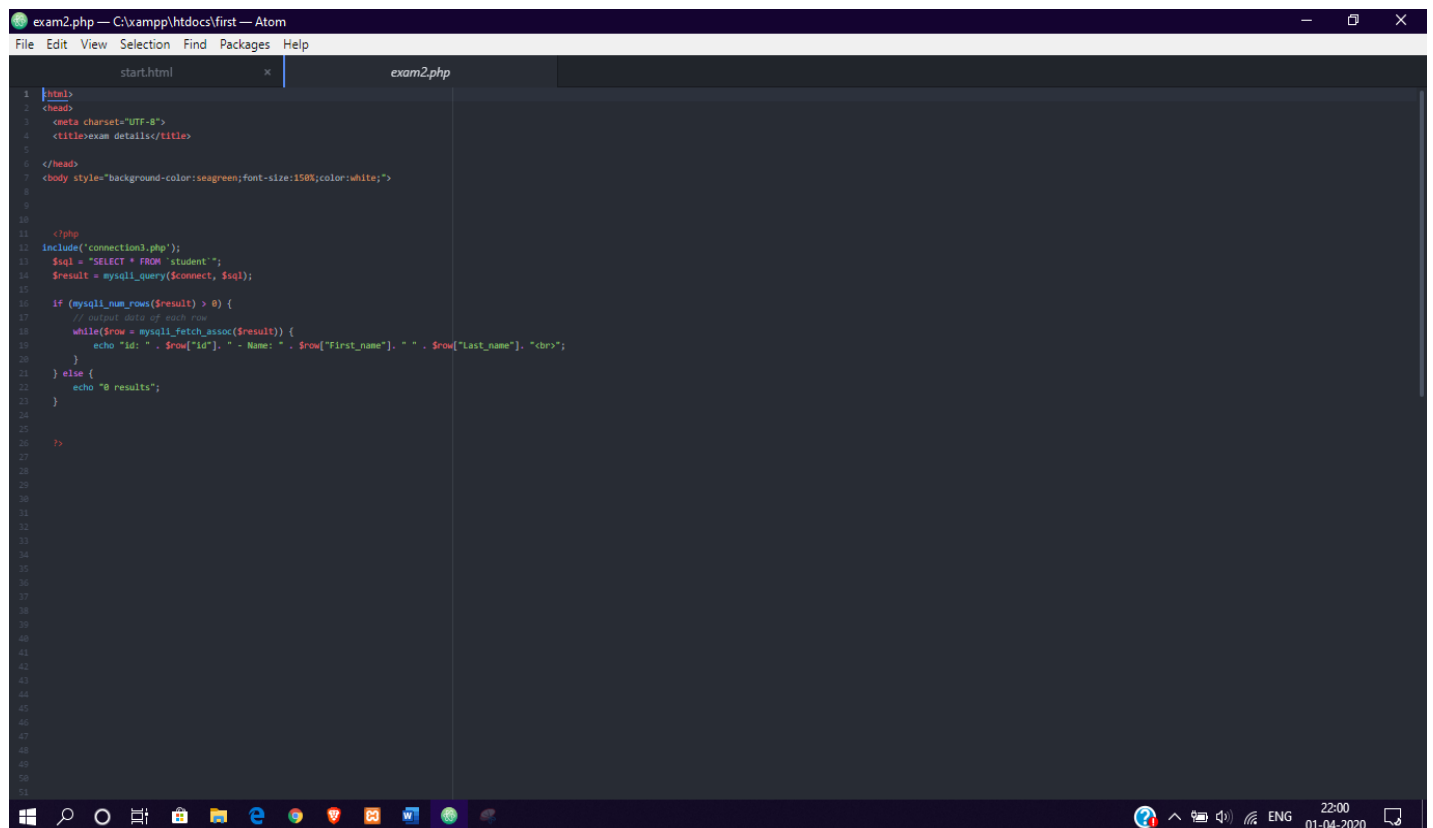
1 <!doctype html>
2
3 <html>
4 <head>
5
6 <meta charset="UTF-8">
7 <title>Database</title>
8 <script type="text/javascript">
9 function validateForm()
10 {
11     var a=document.forms["reg"]["fname"].value;
12     var b=document.forms["reg"]["lname"].value;
13     var c=document.forms["reg"]["gender"].value;
14     var d=document.forms["reg"]["address"].value;
15     var e=document.forms["reg"]["contact"].value;
16     var f=document.forms["reg"]["username"].value;
17     var g=document.forms["reg"]["password"].value;
18     if ((a==null || a=="") && (b==null || b=="") && (c==null || c=="") && (d==null || d=="") && (e==null || e==""))
19     {
20         alert("All Field must be filled out");
21         return false;
22     }
23     if (a==null || a=="")
24     {
25         alert("First name must be filled out");
26         return false;
27     }
28     if (b==null || b=="")
29     {
30         alert("Last name must be filled out");
31         return false;
32     }
33     if (c==null || c=="")
34     {
35         alert("Gender name must be filled out");
36         return false;
37     }
38     if (d==null || d=="")
39     {
40         alert("address must be filled out");
41         return false;
42     }
43     if (e==null || e=="")
44     {
45         alert("contact must be filled out");
46         return false;
47     }
48     if (f==null || f=="")
49     {
50         alert("username must be filled out");
51     }
52 }
```

```
index2.php — C:\xampp\htdocs\first — Atom
File Edit View Selection Find Packages Help

start.html index2.php

53 </script>
54 </head>
55
56 <style>
57 body {
58     background-image: url("https://static.brusheezy.com/system/resources/previews/800/850/636/non_2x/flat-education-psd-icons-pack-photoshop-psds.jpg");
59     background-repeat: repeat;
60     scroll-behavior: 0 0;
61 }
62 </style>
63 <br>
64 <br>
65
66 <form name="reg" action="code_exec.php" onsubmit="return validateForm()" method="post" style=" background-image: url('https://upload.wikimedia.org/wikipedia/commons/thumb/c/c0/location_dot_black.svg/1024px-location_dot_black.svg.png');background-position:center;backgr
67 <table width="274" border="0" align="center" cellpadding="2" cellspacing="0">
68 <tr>
69 <td colspan="2">
70 <div align="center" style="font-family: Comic Sans MS, Geneva, sans-serif;
71 font-size: 30px;
72 letter-spacing: 1.5px;
73 word-spacing: 2px;
74 color: #000000;
75 font-weight: 700;
76 text-decoration: underline solid rgb(68, 68, 68);
77 font-style: normal;
78 font-variant: normal;
79 text-transform: uppercase;color:white;padding-bottom:40px;">
80 <php
81 // Remarks:$ _GET['remarks'];
82 if (!isset($_GET['remarks']))
83 {
84     echo 'Register Here';
85 }
86 if (isset($_GET['remarks'])) && $_GET['remarks']=="success"
87 {
88     echo 'Registration Success';
89 }
90 }
91 </div></td>
92 </tr>
93 <tr>
94 <td width="200"><div align="right" style="font-family:Comic Sans MS;color:white;">First Name:</div></td>
95 <td width="200"><input type="text" name="fname" /></td>
96 </tr>
97 <tr>
98 <td><div align="right" style="font-family:Comic Sans MS;color:white;">Last Name:</div></td>
99 <td><input type="text" name="lname" /></td>
100 </tr>
```

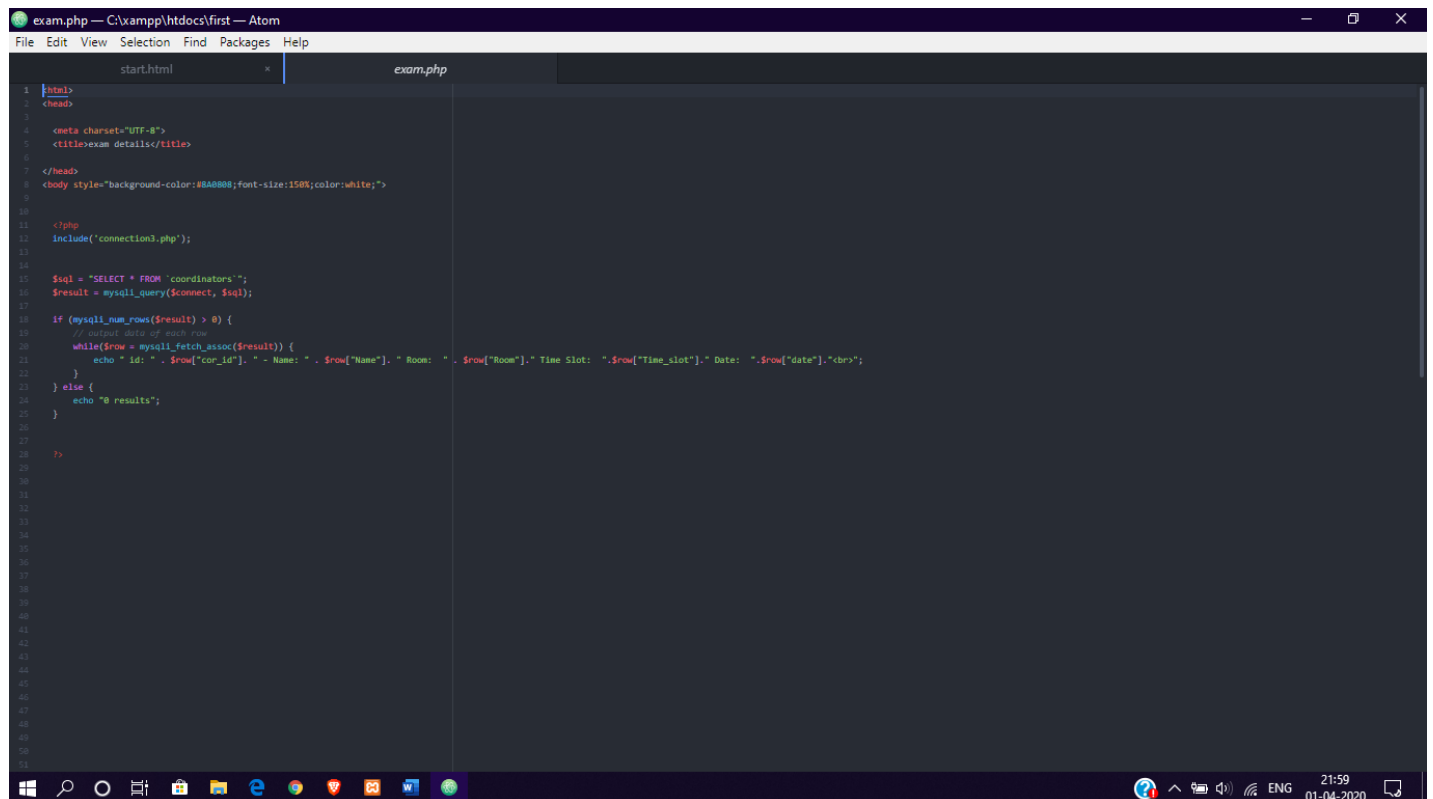
Student Info:



The screenshot shows the Atom editor with a file named `exam2.php` open. The code is a PHP script that connects to a MySQL database, queries the `student` table, and displays the results in an HTML table. The table has columns for `id`, `name`, `first_name`, and `last_name`. The code is as follows:

```
1 <html>
2 <head>
3   <meta charset="UTF-8">
4   <title>exam details</title>
5
6 </head>
7 <body style="background-color:#e6e6e6;font-size:150%;color:white;">
8
9
10
11 <php
12 include('connection3.php');
13 $sql = "SELECT * FROM 'student'";
14 $result = mysqli_query($connect, $sql);
15
16 if (mysqli_num_rows($result) > 0) {
17   // output data of each row
18   while($row = mysqli_fetch_assoc($result)) {
19     echo "id: " . $row["id"]. " - Name: " . $row["first_name"]. " " . $row["last_name"]. "<br>";
20   }
21 } else {
22   echo "0 results";
23 }
24
25
26 ?>
27
28
29
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```

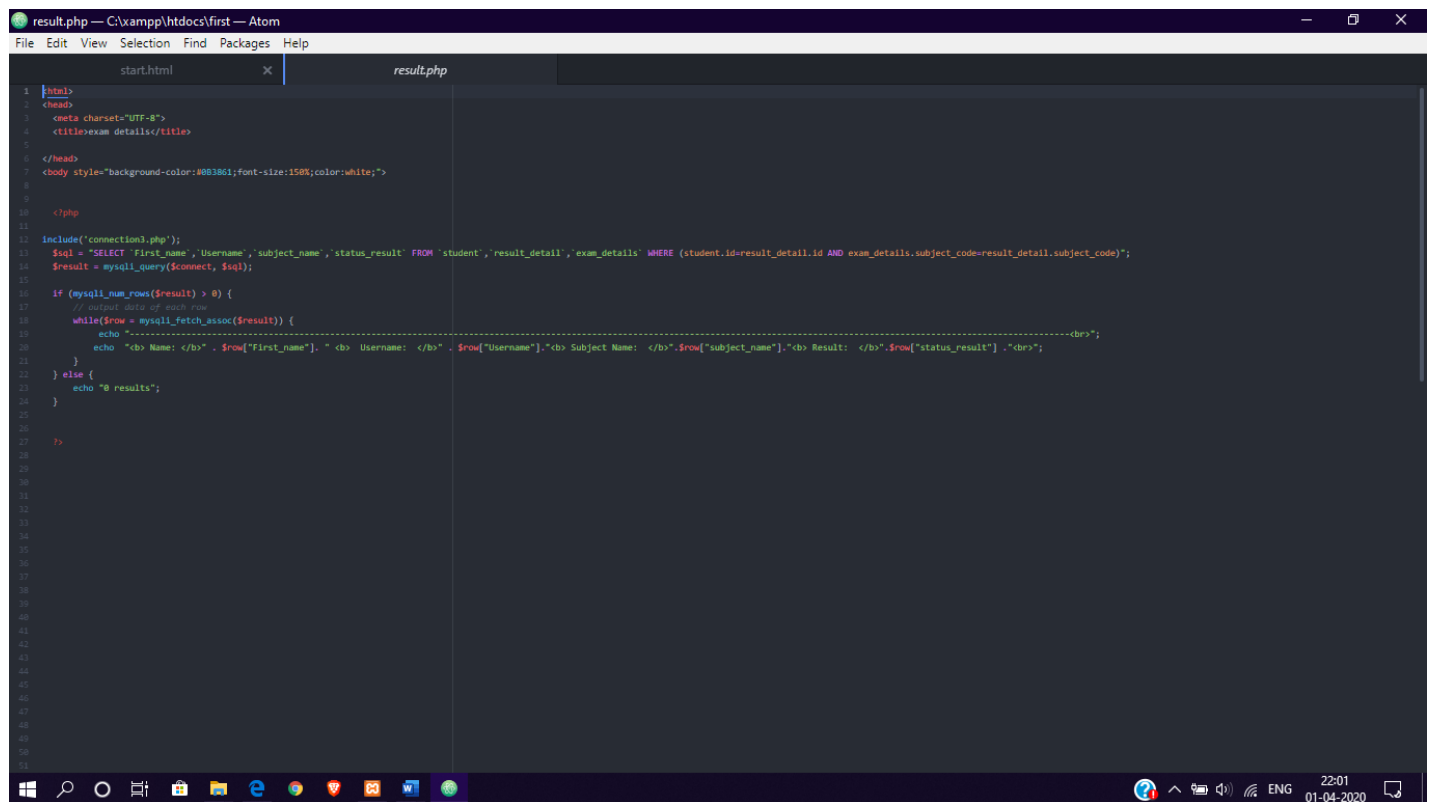
Coordinator Info:



The screenshot shows the Atom editor with a file named `exam.php` open. The code is a PHP script that connects to a MySQL database, queries the `coordinators` table, and displays the results in an HTML table. The table has columns for `id`, `name`, `room`, `time_slot`, and `date`. The code is as follows:

```
1 <html>
2 <head>
3
4   <meta charset="UTF-8">
5   <title>exam details</title>
6
7 </head>
8 <body style="background-color:#B0B0B0;font-size:150%;color:white;">
9
10
11
12 <php
13 include('connection3.php');
14
15 $sql = "SELECT * FROM 'coordinators'";
16 $result = mysqli_query($connect, $sql);
17
18 if (mysqli_num_rows($result) > 0) {
19   // output data of each row
20   while($row = mysqli_fetch_assoc($result)) {
21     echo "id: " . $row["cor_id"]. " - Name: " . $row["Name"]. " Room: " . $row["Room"]. " Time Slot: " . $row["Time_slot"]. " Date: " . $row["date"]. "<br>";
22   }
23 } else {
24   echo "0 results";
25 }
26
27
28 ?>
29
30
31
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```


Result Page:



```
1 <html>
2 <head>
3 <meta charset="UTF-8">
4 <title>exam details</title>
5
6 </head>
7 <body style="background-color:#001861;font-size:150%;color:white;">
8
9
10 </body>
11 </html>
12
13 <?php
14 include('connection3.php');
15 $sql = "SELECT 'First_name',Username,'subject_name','status_result' FROM 'student','result_detail','exam_details' WHERE (student.id=result_detail.id AND exam_details.subject_code=result_detail.subject_code)";
16 $result = mysqli_query($connect, $sql);
17
18 if (mysqli_num_rows($result) > 0) {
19 // output data of each row
20 while($row = mysqli_fetch_assoc($result)) {
21 echo "-----<br>";
22 echo "<b>Name: </b>" . $row["First_name"] . " <b> Username: </b>" . $row["Username"] . "<b> Subject Name: </b>" . $row["subject_name"] . "<b> Result: </b>" . $row["status_result"] . "<br>";
23 }
24 } else {
25 echo "0 results";
26 }
27
28
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