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Online Examination System (PHP & MySQL) Documentation

This Online Test Preparation System was developed for an Educational Institute of Nepal as a GRE/GMAT test preparation tool.

Later, published for the public for FREE so that the **educational institutions all around the world can conduct online examinations** during COVID lockdown.

Follow this link for Demo 👉 https://www.youtube.com/watch?v=3cuPiKmuz0I

Technologies Used

1. Front-End (HTML5, CSS3, JS)
2. Backend (PHP - OOP)
3. Database (MySQLi)

Features of this Project

A. Users (Students) Can

1. Take Exams (Username & Password provided by Admin)
2. After login, Student will see the "Rules for Taking Exam"
3. After the exam is completed, you will get the results immediately and can also check the detailed result view (*You can see the answers you've selected to the questions and can also see the reason for that answer to be right.*).

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Rules for Students while taking an Exam

1. Once you click on "**Take Exam**" button, the exam will begin and count down begins (**Timer Clock is activated**)

2. **Questions are selected randomly** (*If a student gets a question on no.1, another student might get the same question in a different position or might not get the question at all. This prevents cheating in a way.*)

3. You'll have to select an Answer and click on the "**Next**" button to get another question.

4. **You cannot go back** to the previous question, Once 'Next' button is clicked.

5. If you close the window or click on the "Quit" button, the session (**Exam**) will be completed and you will be logged out. Then you won't have permission to log in again and take the exam. (*You'll have to contact administrators to grant you permission to take the exam again*).

B. Admins Can

1. Manage Admin Credentials
2. Manage Students (Create New, Update and Delete Existing Ones)
3. Manage Questions
4. Manage Faculties
5. Manage the Results of the Students.
6. Display the Right and Wrong Answers with Detail Reasons.

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How to Install and Run this project?

Pre-Requisites:

1. Download and Install XAMPP

Click Here to Download

2. Install any Text Editor (Sublime Text or Visual Studio Code or Atom or Brackets)

If you are new to XAMPP (local development environment), then follow this tutorial.

https://www.youtube.com/watch?v=46N2reffxdw&list=PLBLPjjQlnVXW5zy7SBF-Uch6xj8ZHESN9

Installation

1. Download as as Zip or Clone this project
2. Extract and Move this project to Root Directory

```
Local Disc C: -> xampp -> htdocs -> 'this project'
```

Local Disk C is the location where xampp was installed

3. Open XAMPP Control Panel and Start 'Apache' and 'MySQL'
4. Extract and Import Database
● Open 'phpmyadmin' in your browser
● Create a Database ('quizapp')
● Import the SQL file provided with this project ('quizapp')

Note: Database folder name is "quizapp.zip". Please extract the folder and import the database.

If you want to host this project on any hosting (not local development) and make it live (accessible in internet), then follow this tutorial

https://www.youtube.com/watch?v=yNqQRbH3QVI

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5. **Make following Changes (in constants.php file)**

Go to **'admin'** folder then **'config'** folder and Open **'constants.php'** file. Then make changes on following constants

```php
<?php

//Create Constants to save Database Credentials
define('LOCALHOST', 'localhost');
define('USERNAME', 'root'); //Your Database username instead of 'root'
define('PASSWORD', ''); //Your Database Password instead of null/empty
define('DBNAME', 'quizapp'); //Your Database Name if it's not 'quizapp'

define('SITEURL', 'http://localhost/name_of_project_folder/'); //Update the
home URL of the project if you have changed port number or it's live on server

?>
```

6. Now, Open the project in your browser. It should run perfectly.

    Home page is Your SITEURL or your domain name.

    E.g. `http://localhost/name_of_project_folder/`

Note: You cannot login and start taking texts.

First you should log in as an Admin and then create a User to take a Test.

Follow the next step👇 to login as an Admin.

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Accessing CMS (Admin Panel)

This is a very simple Content Management System (No advanced stuff).

Instructions to use

1. Go to the link -> yourhomeurl/**admin**

e.g. *http://localhost:81/name-of-project-folder/**admin***

2. Login with the Username and Password

[Username: admin, Password: admin]

3. Hola! You're logged in. Now you can manage categories, posts and users.

For Sponsor or Projects Enquiry

1. Email - hi@vijaythapa.com

Access FREE Software Development Courses at

http://bit.ly/VijayThapaYouTube

Demo and Instructions Video of this Online Examination System

Follow the link below 👇
https://www.youtube.com/watch?v=3cuPiKmuz0I

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