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This basic WebApplication has been submitted as a task for applying to the Post of "Web Development Teaching Assistant (virtual) internship at Internshala".

The technologies that have been used in making this project are :

1) HTML5(Negligible)

2) CSS3(Negligible)

3) Bootstrap3(Extensive)

4) PHP7(Extensive)

5) MySQLi(Extensive)

The development was done on a local server created using XAMPP v3.2.2 .

The website was tested upon

1. GoogleChrome Version 57.0.2987.133 (64-bit) ; MozillaFirefox 53.0 on a 64-bit Windows 10 Laptop.

***Problem Statement:***

Design and develop a web application in PHP which will be an internship portal similar to that of Internshala, but on a much smaller scale. PHP for back-end and Bootstrap for UI is mandatory for this assignment.

- The application will have 2 kinds of users, student and employer.

- Functionalities for students are:

- There should be a page which should display all the internships being posted by the employers. This page should be accessible to everyone if the user is not logged in and if logged in, then this page should be accessible only by students.

- If not logged in, applying on any internship should take the user to login page.

- Expired internships should not be visible on this page.

- The student should be able to apply to any internship.

- If the student has already applied for an internship, he should be restricted from applying again.

- Functionalities for employers are:

- The employer should be able to post internships, with bare minimum details (title, description, stipend, start date, apply by etc).

- The employer should be able to see all the applications he has received for his internships.

- You can implement more functionalities for students and employers, but it is advised to focus and implement above mentioned functionalities only.

Mainly, we want you to concentrate on the following things:

- Database design

- Good coding practices

- Very basic decent design

**Checkpoints**

Here is list of the measures taken to achieve the checkpoints :

***Checkpoint1:***

There should be a page which should display all the internships being posted by the employers. This page should be accessible to everyone if the user is not logged in and if logged in, then this page should be accessible only by students.

***Solution1***:

A Session variable named ‘sta’ was taken. If ‘sta’ was not set, the user was redirected to General Dashboard – ‘dashG.php’ from the ‘index.php’ file. For ‘sta’ = 1 the visitor was redirected to Students’ Dashboard – ‘dashS.php’. Otherwise, for ‘sta’ = 2, the visitor was redirected to Employers’ Dashboard – ‘dashE.php’.

Display of all internships was done by executing a select query on the database Table ‘intinfo’ and then converting the result into an Associative array and accessing its entries one by one.

***Checkpoint2***:

If not logged in, applying on any internship should take the user to login page.

***Solution2***:

The link to the application page for the internship was replaced by a link to login page on the ‘dashG.php’ page.

***Checkpoint3***:

Expired internships should not be visible on this page.

***Solution3***:

Employers were asked to enter an ApplyBy date for the internships that was stored in the database in the date format. While executing the page, php function date(‘Y-m-d’) was used to retrieve the current system date in yyyy-mm-dd format. Since PHP supports direct comparison of dates using the comparison operator, a comparison was made and if the date for the currently fetched internship is less than the current date, it was ignored while echoing to screen.

***Checkpoint4:***

The student should be able to apply to any internship.

***Solution4:***

The students were directed from the ‘dashS.php’ page to an application page upon clicking the title of the internship. The apply button on the page enabled them to enlist themselves for the internships.

***Checkpoint5:***

If the student has already applied for an internship, he should be restricted from applying again.

***Solution5:***

If the combination of the StudentID and the InternshipID exist in the the table ‘stuint’ , the insertion query will throw an error as we have a composite primary key here. Thus we redirect the student back to student dashboard.

***Checkpoint6:***

The employer should be able to post internships, with bare minimum details (title, description, stipend, start date, apply by etc).

***Solution6:***

The page ‘createInt.php’ has been created. It presents the employer with a form to enter details regarding the internship. This detail is added to the database.

***Checkpoint7:***

The employer should be able to see all the applications he has received for his internships.

***Solution7:***

A separate page for viewing applications has been created. It enlists all the internships being offered by the employer. Upon clicking the title of the internship, the employer is redirected to a page that displays a table with details of all the students who have applied.

***DATABASE DESIGN***

Following are the tables in the database:

|  |  |
| --- | --- |
| Table Name | Significance |
| empinfo | Store Registration information for all Employers. |
| empint | Store pairwise, EmployerID and the InternshipID released by him(her). |
| intinfo | Store Information regarding the internships registered by Employers |
| stuinfo | Store Registration Information for Students |
| stuint | Store pairwise, StudentID and the InternshipID applied by him(her). |
| userbase | Store Login information along with the category of the user |