Design And Implementation A Job Opportunities Recommended System Based on PHP and SQLi Optimization Statements

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Abstract: *In international methods of our study, we learned about many websites that provide opportunities for the unemployed, such as (Dice) (Bayt.com), (Career Builder), and (Indeed). We finally arrived at this site, that is in your hands. Which is the system (Bootstrap\Web design) designed along the lines of the consists site, that is approved by international universities. As this that, from a database for job holders. Such as the database for the system administrator, who supervises and manages all activities within the system. Besides a database for job seekers after logging in to the site assessors specialized in evaluating experiences, and submitting a report on them to the system administrator to accept the person in the job. We discussed the web and the programming languages used to complete this (bootstrap) PHP. We talked about the uses and features of PHP, the system, which is also one of the languages used in our system, and the HTML editor. The texts dedicated ++Notepad as well as CSS formatting language and Adobe Dream Weaver to writing the source code where we used a Wamp Server program used in building websites. Then, we discussed the most important results of using the job search system for the unemployed, comparing the results with the systems used for this purpose, in addition to reviewing the features that characterize the designed system and reviewing the elements of strength, and the plan for developing the system to be integrated. Compared to the global systems used in this regard.*

Keywords: *Website Design, Job Allocation, Recommendation System, SQL*

I. INTRODUCTION

Communication technology is a revolution that affected all aspects of the life in which we live. And it has a great impact on changing our lives and making our things go faster. Communication technology at the social level led to the creation of a new type of society, called by many different names, including the smart community. Alternatively, the virtual community, convergence, and interaction in this community govern the method of communication and easy communication. The way of rapid information dissemination and the interaction of multimedia. While in the past, convergence and community interaction were governed by political, geographical, and economic factors. Virtual communities were characterized by several changes at all social levels, as technology affected them. In several aspects of our lives, the most important of which is the cultural level, where modern communication technologies have created unprecedented opportunities for cultural exchange between individuals and societies in different parts of the world.

II. The importance of research

The importance of the research lies in providing an open-source electronic system that facilitates work for job seekers and by simply searching through it smoothly. As well as providing an easy management mechanism that does not require going into the details of the system or studying it in advance before use, where we can summarize some important things in this system:

1. Easy and comprehensive electronic management of all proposed Jobs.

2. Develop job management processes and enhance their effectiveness by moving to electronic management that will reduce the effort on those in charge of managing the job site.

3.   Facilitates the work of business owners or jobs by entering the system, participating, and raising their advertisements.

4. Owners of participating businesses or jobs can view the status of their advertisements) acceptance, rejection, and modification (by simply entering the system and from anywhere to prepare for a job interview.

5. Reducing the phenomenon of using papers in applying for jobs or during an interview, the consequent absence of paperwork, limiting paper archiving and preservation, and so on.

6. It helps link all business owners or jobs, system administrators, and assessors through a database.

7. Providing distinguished services to business owners or jobs and breaking the prevailing routine of sharing and managing jobs.

8. Keeping pace with advanced countries in electronic management to provide and advertise a business.

III. THE PROJECT INTERFACE (THE BASIC SYSTEM)

The project interface is a website designed along the lines of the electronic content management system, which provides the presentation of the main information and news of the employment system, and it includes all departments, branches, and information related to the website and includes the following information:

- Ad pictures of the system
- Information about the system and its operation
- About the design technology, the site, and its goals
- Registration and login tabs
- Structure of the system
- The tabs for the electronic system for jobs
- Contact information and contact with the site administration
- Terms of registration on the site
- Website registration form
- User control model
- User login
- Administration entry
- Raising jobs
- Edit user information tabs
- Consent tabs for permissions to use

- Entry information to the database is indexed by time and date
- Member information
- Information to add managers to the system

Where when we run the WAMP SERVER program and enter the site icon, it will appear to us with the following pictures as shown below

Figure (1) shows the basic system definition interface

The idea of the system is summed up by designing an electronic system similar to the highly approved recruitment system, and it is an open-source system based on the global systems for managing jobs, which are: Open-source, as in the following picture.

Figure (2) The main interface of the system with other tabs

The user registration interface contains a set of user information that must be recorded to form and be registered in the system, as it has been approved based on electronic systems.

Figure (3) new user registration interface in the system

Registration Conditions

The registration conditions of users and their participation in the job review. Are set by the rest of the members of the

administration of the click here. The conditions of the link system, when you click on the registration and participation in the site appear, as shown in the following pictures:

Figure (4) shows the general conditions for user registration

Users Login: The user name and password to be able to view the jobs uploaded in to enter the system.

Note: Upon completing the user's registration. The system will not be entered until after the administration's approval by activating his information and approving his joining.

Figure (5) **shows the login interface for users**

Administration entry

This tab includes a link to access the control panel of the electronic job system, as shown in the following picture.

Figure (6) shows the administrators' login interface to control users

After logging in to the administrator's control panel to control users, and agree to join members in the system, as shown in the following picture.

Figure (7) Shows the control of users' information by the administration

Users Control

This panel shows the displays of users' information, that was entered by the user. In step 1, but this panel, the system administrator can get all the users' information as well as delete it, whereas the manager can modify all the fields of this panel starting with the full name and ending with the status, which Through it, the system administrator allows the registered person to join the system and become an active member in it, by making the value of the status field (1) or keeping it (0) meaning that the user's registration in the system has been rejected, and as in the following images.

Figure (8) shows the control over the information of registered users in the system

When you click on the "Modify" option, the following panel appears through which we can modify any information from the user's information, as in the following images. When completing the process of modifying the user information, we click to change the information in the Edit Records option on the database according to the changes, we made in this panel as shown in the following images:

Figure (9) shows the editing and modification of user information by the administration

Logout

The last page in the system manager control panel is to log out. When you click on this option, a panel appears containing a question: Do you want to log out, and there are two options to answer, cancel, which means staying in the system manager control panel, and logging out, which means an exit from the control panel. System Administrator, where it goes to the System Administrator login page, as in the following pictures:
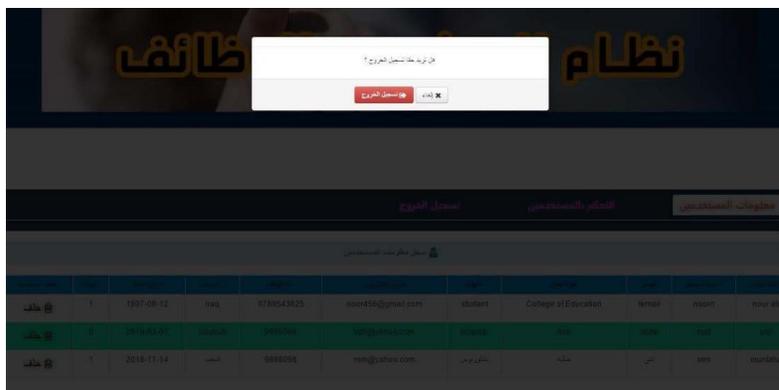

Figure (10) shows the logout by the administration

Adding a new system administrator

The system administrator who: is responsible for the system can add a new system administrator, as only the system administrator is the one who adds a sub-system administrator to become the sub-system administrator with the same powers that the system administrator possesses. This link interface includes adding a new system administrator, when you click on it, the administrator's login page appears, where he logs in, and then moves to the new system administrator registration page, as in the following pictures:

Figure (11) shows the login by the administration

Access to the announced jobs

The system administrator who is responsible for the system can add a new system manager, to move to view the announced jobs in the system and also edit and modify them in proportion to the system by entering the job control panel and filling in the entry information as in the following picture:

Figure (13) shows the login by the administration to control the announced jobs

he system administrator who is responsible for the system can modify the announced jobs through the job control panel, fill in the information and modify information, as in the following picture:

Figure (14) shows a review of the jobs announced by the administration

The system administrator who is responsible for the system can modify the announced jobs through the job control panel, fill in the information and modify information, as shown in the following picture:

Figure (14) modification of the jobs declared in the system shown by the administration

Note: The system administrator can also add a new job by clicking on the Add Job tab, as shown in the following image.

Figure (15) shows the addition of a new job to the system by the administration

Access to the jobs announced by the users

The authorized users can view the jobs announced in the system and also add new jobs to them in accordance with the conditions of the system by entering the registration panel for jobs and filling in the entry information, as in the following picture:

Figure (16) shows where users enter to view jobs

After users register in the login panel, they can view the jobs announced in the system and also add new jobs to them by the conditions of the system by entering the registration panel for jobs and filling in the login information, but we must note that the user has no authority to modify or delete any Function as shown in the following picture:

Figure (17) shows the user interface for browsing functions

From the image above, we must note that the user does not have any authority to modify or delete any job, as shown. We hope that we succeeded in reviewing the characteristics of the system. So, the following two pictures show a review of the additional characteristics of the system, which can be adopted as an integrated functional system.

Figure (17) shows the additional features of the system

Figure (18) shows the additional features of the system

CONCLUSION

- We have found that the use of SQL databases, HTML, and site design languages in the design of the system (website) makes the work easier.

- Ease of searching and dealing with databases and ease of addition, modification, and deletion.

- Programming languages PHP and ASP are the most common for developing websites that deal with databases.

- The database (Mysql (and the programming language) PHP) is free open sources compared to the database (MSSQL) and the programming language asp (c#) LLC provided by Microsoft with paid licenses.

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