Design Website for Job Opportunities for the Unemployed

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Abstract

In our study we have seen a lot of the methods of global sites in providing opportunities for the unemployed, other sites until we finally get to this site which is in your hands and designed in the style of (web design) and accredited in international universities, as this site consists From a database of job owners, as well as a database of the system administrator who supervises and manages all events within the system and also a database of job seekers after logging in to the site for specialists who evaluate the experiences and report them to the system administrator for the purpose of accepting the person in the job or not. You now deal with four Parts where we discussed the following:

Part 1: discussed the problem of research and what are the problems that led to the design of such a system.

Part 2: though this chapter, it is disscussed the introduction to the web as well as to the bootstrap and also to the programming languages used in the implementation of this system, including the PHP language.

Part 3: explained the system step by step starting from the registration stage in the system to the stage of review of the final results.

Part 4: discussion the most important results from the use of the job search system for the unemployed and the comparison of the results with the systems used for this purpose. In addition, this chapter includes a summary review of the main recommendations after using the system.

sdrowyeK:*web design, job seekers, database*

I. Chapter One: Introduction and literature Review

1.1 Introduction

Information Technology (IT) is closely related to computers and networks. Many people come to computers, networks, or both when IT is mentioned, because computers and networks (such as the Internet) are the primary means of saving, publishing, and applying information. Get it very simply and very quickly.

The world today is like a small village thanks to information technology. The process of communicating and disseminating information has become very fast all over the world, which has greatly affected human life and brought about a radical change. The world is now totally dependent on technology, knowing that this technology carries a significant enough risk to destroy a society if it does not behave well.

Modern technology has contributed to the development of science and its technological applications very quickly and made it different from yesterday, and will make the world of tomorrow completely different from today's world.

It is noticeable that information technology has radically changed human life, not necessarily that all changes are positive. Some may be negative and have a detrimental effect on the individual and society. For example, traffickers use the Internet to offer and promote their products for sale or use modern communication means to annoy or exploit people.

1.2 Problem Statement

In the past years, the electronic registration mechanism, for example, looking for a job, is filled with a paper form, a query about a commercial or personal transaction, etc. There is a great difficulty where the person concerned or the organization concerned has to go to the company's website or company, Newspapers to search for the information that belongs to them, or for example to search for the appropriate job must go to the workplace for an interview and precedes it to go to take an appointment, it requires a lot of effort and time, as electronic transactions such as electronic models removed a lot of complexity of traditional methods and useless because The electronic presentation is sometimes associated with personal information, such as telephone or e-mail, while the methods of manual require procedures and procedures that are complex, archiving or archiving is very difficult, as is the case in some Iraqi institutions that are still operating in this context. The following figure (1-1) shows some companies and some organizations that used traditional ways for recording information.

Fig. 1-1: Traditional Way for Information Recording [1]

1.3 Project Goals

- Inserting various documents in the system electronically

- It is seen as one of the contemporary trends in business and documentation because it accomplishes work with ease, flexibility and speed required.

- Identify the extent to which each document is monitored through the system.

- Provide recommendations with sophisticated and improved models that encourage administrators to continue applications that document forms electronically [2].

1.4 Project Significant

The importance of research is to provide an open source electronic system that makes it easy for employees to electronically disclose information and search through it smoothly and provide an easy management mechanism that does not require going into the details of the system or study in advance before the use. We can summarize some important things in this system:

1- Easy and comprehensive electronic administration of all recorded information.

2. Develop content management processes and enhance their effectiveness through the transition to electronic management, which will reduce the effort on the information management in the documents [3].

3. facilitate the work of employers or auditors through entering the system and participation and inquire about their transactions.

4. Visitors can view the status of their advertisements (acceptance, rejection, modification) as soon as they enter the system and from anywhere to prepare for the review date.

5. Reduce the phenomenon of the use of papers in the presentation of transactions, and the consequent non-accumulation of papers, and reduce the work of archiving paper and conservation and so on.

6. Helps to link all business owners, system administrators and database administrators.

7. Providing excellent services to business owners and breaking the prevailing routine of sharing and managing information.

8. Keeping pace with developed countries in electronic management [3].

1.5 Project Idea

Web sites have become one of the most popular means of information archiving, and there are already hundreds of websites and software that offer these services through their own search engines based on fast, easy search tools. These search results are usually based on the type and content of the document.

What distinguishes these programs in general from others is that you may have to pay any costs or fees, and it lists you the contents that do not suit you according to the information you entered.

So we decided to design an electronic system that uses the electronic form in the information entry and input. We also design the system of entering electronic information through which we can design an electronic form to record the required information according to a paper form prepared in advance to facilitate the introduction of information to employees in any department, whether governmental or private sector and smoothly Flexible and adjustable as desired by the user.

II.   Chapter Two: Theoretical Background

2.1 Introduction

Technology means the optimal use of scientific knowledge and its application and adaptation to the service of human well-being. In the area of communications, the transfer of data and information from one place to another (or from one person to another) used in telecommunication systems depends directly and directly on

technology, and this has a great impact on human life, communications have many uses, including the sharing of ideas and emotions, in addition to the communication of information. People use communication devices such as telephones, computers, e-mail, etc. to stay in touch with friends and relatives around them, use computer software to design buildings in 3D, and use many other techniques to complete construction, install facilities, and so on. Information technology is a set of hardware and software that is used to store information; information technology is a means of communicating information to specific individuals in a timely manner and is used to complete many tasks that involve the transfer of information that facilitates decision-making within the company or institution, Consumer services and others. [8] In this chapter we can address one of the most important of these techniques used in the design of websites from programming languages as well as rules Data, software and applications helped us to complete and design this system.

2.2 Web Environment

The web wide web is a system of hypertext documents associated with each other. The user can browse these documents using a web browser and can navigate between these pages via text access. These documents contain text, pictures, and media Multiple.

Was created in 1989. Its aim was to facilitate communication between the European organizations assembled in Switzerland and the Internet. A system of interconnection between texts in the Internet This hyperlinking between texts in the Internet allows the transfer between pages using an Internet browser and web pages that can contain texts, images, sounds and visuals (Video) and interactive programs and so on and provides these pages in the Internet server Web server and this server to send pages and their content on demand from the Internet browser [3].

2.3 PHP (HYPERTEXT PREPROCESSOR)

A set of applications written using Perl language called Rasmus called Personal Home Page Tools is a scripting language designed primarily for use in the development and programming of web applications [2]. It can also be used to produce stand-alone programs that are not only web-related, PHP Open source language developed by a team of volunteers under the PHP license, and supports programming object oriented and syntax is very similar to the syntax of the programming language (C) In addition to working on multiple operating systems such as Linux and Windows, and the language of PHP flexibility, the first to come across this flexibility it You do not need to define Variables, but only assigning value to the variable. The language interpreter will automatically recognize the value contained in the variable. In fact, PHP is designed for server use and interactive web applications [4].

The building of Lamb has become very popular in the web industry as a safe, Dependency PHP is referred to as a P in LAMP as a programming language, next to Linux (L) as an operating system, Apache (A) as a Web server, and MySQL as a database management system. Other structures have also been introduced, such as the Linux replacement with Windows, WMP and MAMP, replacing Linux with Mac OS M, PHP can be used with a large number of database management systems, and since it is available on a number of operating systems, [5].

2.4 PHP Features

This language has many features that make it the best choice for web application developers [3, 5]:

a - Simplicity:

This language has a very clear structure and rules. Most of the rules are derived from C, Java and Perl languages to make programming language easy and smooth without losing any language power [4].

b- Speed Of Execution:

This language is one of the languages known for its high speed in the implementation of programs, especially in the fourth version of the translator, where the translator was written PHP from scratch to give a very impressive performance [5].

c. Portability of Renewal

For future growth, programmers may sometimes need to expand the program so that developers can easily add support for new language technologies through plugins [3].

d. Protection

PHP provides many advanced features, but provides you with the appropriate ways to set limits on these features. You can control the number of connections allowed in the database, for example, the maximum size of files that can be sent via the browser, or allow or disable some features. The path of the PHP configuration file controlled by Site Manager [2].

e. Extensibility

You can expand the PHP compiler easily and add the features you want to in C language. As the compiler code is open, you can change what you want directly to get the version that suits you from the translator. You can also make additional modules installed on the translator to increase its features and functions. PHP compiler has already done this task and converted a huge amount of libraries written in C to custom libraries to be added to the compiler. We got all the features we talked about, such as accessing databases and processing XML files [4].

2.5HTML (Hyper Text Markup Language)

I have certainly heard about HTML, or as some people call it "HTML." In fact, the popularity of this language - which some do not like to see as a real language - is not surprising, as this language has seen the beginnings of the Internet where it was and still is to write pages that can be browsed through a web browser such as CHROME MOZILLA, the beginning was very simple. The HTML language was initially able to display rigid texts that fit the demands of the network's users at the time, mostly military or physicists, the 1990s had to be developed This language evolves with Internet sites, where we note the evolution of the way that displays the information from the text rigid way to the visual animated way [6].

2.6 CSS (Cascading Style Sheets)

CSS is not a programming language, as some believe, but it is a technique that deals with the layout and layout of the site pages, from colors, fonts, backgrounds, images, etc. to the aesthetic addition of the site. This technique helps you to create and manage web pages uniquely. The design on HTML that causes a problem is that the site is inseparable from its contents. This technique makes it easier and simpler to separate the content of the page, ie, separating the Html code from the Css code. The Css style file can be embedded in Multiple pages

so that when you want to change the shape you are editing the file and Rather than just have a greater ease and speed in the work of the required modifications [6].

2.7Adobe Dream Weaver

Is one of the important programs used in the work of the qualities of electronic sites, both php pages and the work of HTML codes and also codes for the files of the css and Web development program, produced by Macromedia and then moved to the ownership of Adobe after it bought Adobe Macro Media in 2005, a specialized program to create and manage applications and websites This program allows us to create very powerful Web sites and applications using any of the famous languages currently available such as ASP, net, PHP and many other languages. The program also offers an advanced set of tools that help to improve the level of news We can add interactive features and animations to create excellent web pages and websites, and perfect mastery of how to create, modify and manage web sites and web pages. [5] The following figure (2-1) shows the main interface of DreamWorks Dreamweaver platform [7].
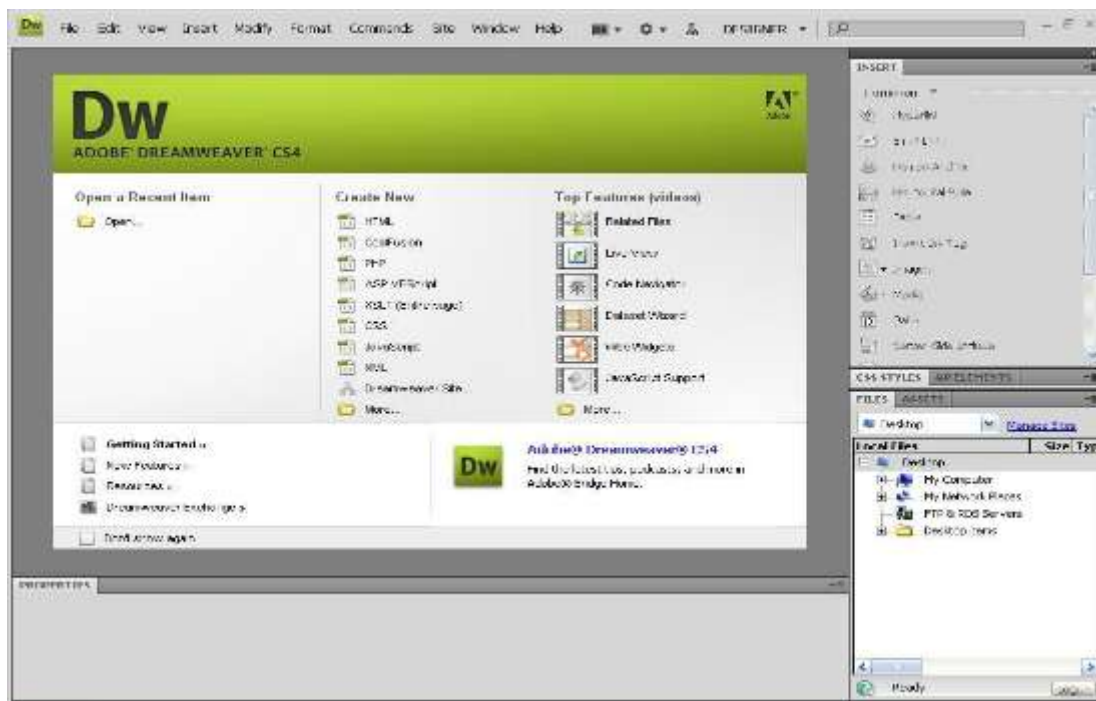
Fig.(2-1): Shows the basic interface of Dreamweaver [7]

Adobe Dream Weaver is an easy-to-use and easy-to-use program that is rich in easy-to-access tools, more manageable panels, and one of the best editing tools for WYSIWYG web pages (what you see is what you get).

2.8 Data Bases

The computer is the safest and most successful way to save data in our time, and it is no secret that the use of computer and computer software has saved us a lot of effort and the effort we were faced in the storage, storage and handling manually, and at the moment almost cannot an organization or a company that dispenses

with computers and various computational programs to deal with its various data and its physical and financial records [8].

There are many programs that deal with databases of different types. These programs have spread widely since the beginning of the nineties. Programs began to be used in various state facilities in addition to that even some shops began using computers in their work [8].

2.9 MYSQL

My sql is the language of the database and is an ideal language for both small and large applications. My sql supports the sql language and responds to a number of languages. This is a free and downloadable language. If official statistics reveal that more than five million sites create, use and publish MYSQL- From these sites, Facebook, Yahoo, and Wikipedia, MYSQL is a relational database management system that is based on the SQL language [1].

MYSQL is characterized by a focus on several distinct features including [8, 9]:

a. Speed: The speed and time it takes to execute a query and return the results to the user is everything, MySQL has high scores of these qualities, with the best performance that distinguishes it from all competitors [10].

b. Reliability: When it comes to reliability, MySQL is flawless and is usually used in large-scale, mission-critical projects by some of the world's largest organizations, including NASA and Yahoo [10].

c. Security: Security is a major concern when dealing with multi-user databases, and MYSQL developers have taken a great deal of care to ensure better security as MYSQL gives the ability to prevent unauthorized users from accessing the system.

2.10 JavaScript

Javascript is used in millions of web pages to improve design, design input models, or otherwise. Javascript was developed by Netscape, one of the most popular text languages on the Internet. Javascript works on most major browsers today, such as Navigator from Netscape and Internet Explorer from Microsoft. [8]

What is Javascript:

• Javascript is designed to add interactivity to HTML pages

• Javascript is a textual programming language - the textual programming language is a soft language.

• Javascript is executable lines.

• Javascript is usually included in HTML pages

• Javascript is an interpreted language.

• Anyone can use Javascript without purchasing a license.

III.   Chapter Three: Proposed Works

3.1 Introduction

Communication technology has revolutionized all aspects of our lives and has had a major impact on changing our lives, making things go faster, and social communication technologies have created a new kind of society, called many different names, or virtual society, the rapprochement and interaction in this society governs easy communication and communication, the rapid dissemination of information, and the interaction of multimedia. In the past, rapprochement and social interaction governed political, geographic and economic factors.

Virtual societies were marked by a change at the social level, and technology has affected many levels of our lives, the most important of which is the cultural level. Modern communication technologies have created unprecedented opportunities for cultural exchange between individuals and communities in different parts of the world., Such as e-mail, communication networks, large databases and cellular networks. At the scientific level, the exchange of information, scientific experiences, remote studies and the search for resources in all the world-class libraries and websites.

All the students, researchers and postgraduates have access to everything they need. In the economic realm: with the information revolution and communication technology, the developed world has entered the digital economy, which depends on the flow of information and data, the term e-government has become a common expression in many countries of the world. It is a sign of ease of transactions and speed of delivery, shortening of effort and time, and a sign of skill at work.

3.2 Project Interface (Basic System)

The project interface is a website designed in the style of the electronic content management system. It provides the main information and information about the recruitment system. It includes all sections, sections and information related to the website and includes the following information:

• Ad pictures about the system.

• Information about the system and its operation.

• About the design technique, location and objectives.

• Registration and entry tabs.

• Structural system.

• Tabs for the electronic job system.

• Contact information and communication with site management.

• Conditions of registration on the site.

• Registration form on site.

• User control model.

• Users Login.

• Management access.

- Lift jobs.

- Edit user information tabs.

- Approval permission tabs for use.

- Database access information is provided by time and date.

- Member Control Information.

- Add manager's information in the system.

Where when you run the WAMP SERVER program and access the site icon will show us the following pictures as shown below:

Fig.(3-1) illustrates the basic system interface definition

The idea of the system is the design of an electronic system similar to the approved recruitment system is high and is an open source system based on the global systems for managing functions, which are also open source as in the following picture:

Fig.(3-2) the main interface of the system with other tabs

3.3 User Registration Interface

The electronic user registration form contains a set of user information that must be recorded in order to be registered in the system as it was adopted based on the electronic systems and when clicking on the link click here show us the registration form for users as shown in the following pictures:

تسجيل مستخدم جديد

الاسم الكامل
الاسم الكامل/ full name

اسم المستخدم
اسم المستخدم/ username

كلمة المرور
كلمة المرور/ password

تاكيد كلمة المرور
أعادة كلمة المرور/Reset password

الجنس
الجنس/ gender

جهة العمل الحالية
جهة العمل/ organization

التحصيل الدراسي
التحصيل الدراسي/ affiliation

البريد الالكتروني
البريد الالكتروني/ email

رقم الهاتف
رقم الهاتف/ phone number

المدينة
المدينة/ contry

تاريخ التولد
mm/dd/yyyy

تسجيل / register

هل أنت مسجل مسبقأ؟/ Already a member?
تسجيل الدخول/ Sign in

الخروج ـ والرجوع القائمة الرئيسية

Fig.(3.3) New user registration interface in the system

3.4 Registrations Rules

Terms and Conditions for registering users and their participation in the review of posts by the rest of the members or administration of the system and click on the link Click here to show us the registration requirements and participation in the site as shown in the following pictures:

Fig. (3-4) shows the general conditions for registering users

3.5 Users Entrance

Users who are already registered in the system through the electronic user registration form can access the electronic system where the user is required to enter the user name and password to be able to view the functions displayed in the system.

Note: - Upon completion of the registration of the user is not to enter the system only after the approval of the administration by activating its information and consent to join.

Fig. (3-5) shows the login interface for users

3.6 Administrator Entrance

This tab includes a link to the control panel of the e-mail system as shown in the following image:

Fig.(3.6) shows the administrator login interface to control users

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

Fig. (3-7) illustrates the control of user information by management

User Control: - This panel also displays user information entered by the user in step 1, but in this panel the administrator can have all the user information as well as the deletion, where the administrator can modify all the fields of the board started with the full name and ending with the case, Through which the system administrator allows the registered person to join the system to become an active member by making the value of the status field (1) or keeping it (0) in the sense that the registration of the user was rejected in the system, as in the following pictures:

Fig. (3-8) shows the control of user information recorded in the system

When you click the Edit option, the following panel appears, allowing you to edit any information from users, as in the following images:

Fig.(3.9) illustrates user-edited user information and management

When editing the user information, click the Edit Records option in order to change the information in the database according to the changes we have made in this panel as in the following pictures:

Log out: - Last page in the system administrator control panel is Logoff where when you click this option a panel appears containing a question Do you really want to log out There are two options to answer, cancel and mean stay in the system administrator control panel, log off and meaning out of control panel System Administrator where it goes to the system administrator login page, as in the following images:
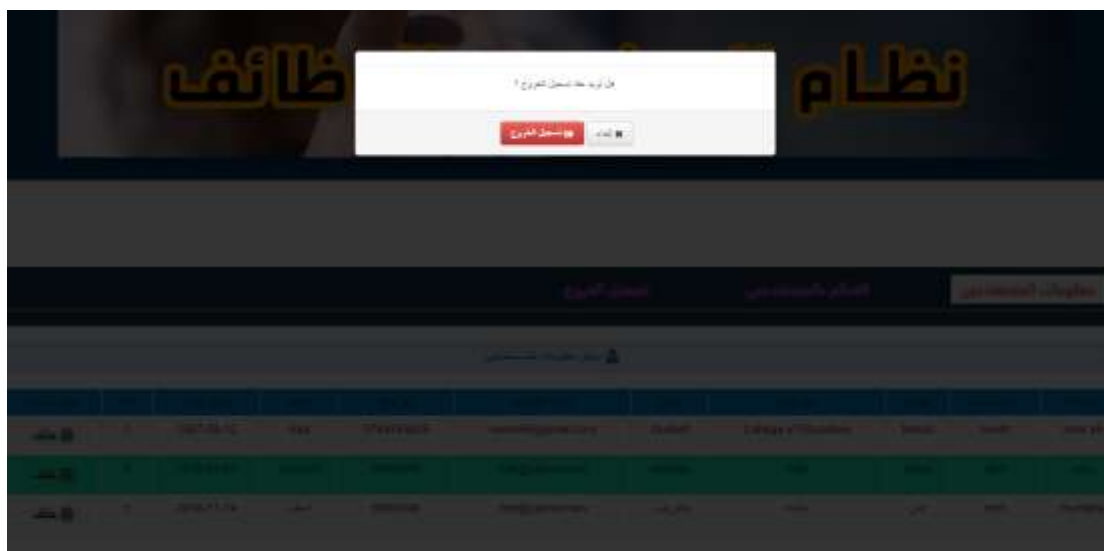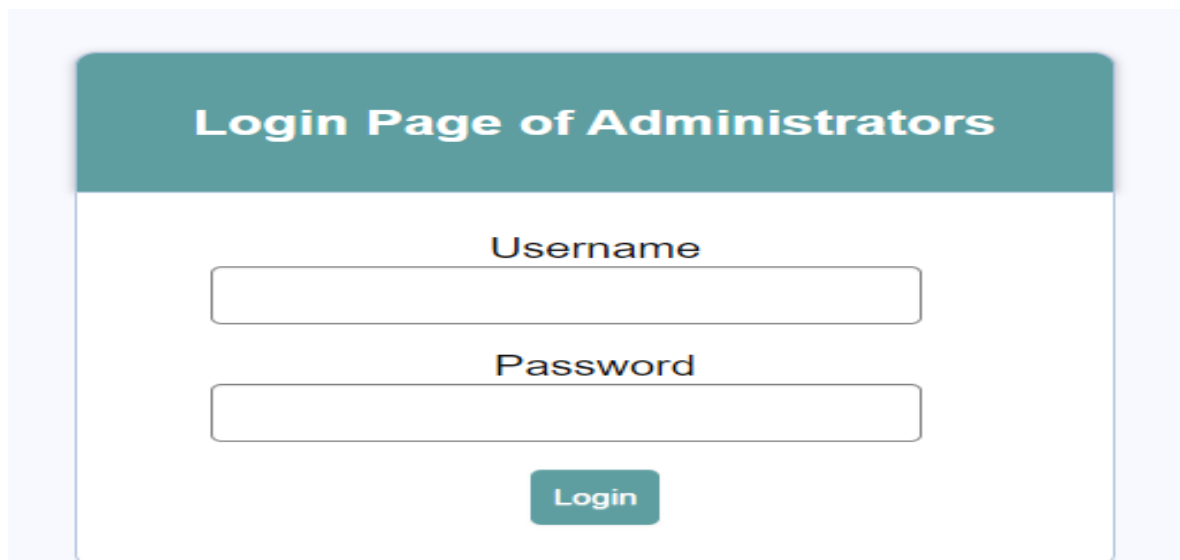
Fig. 3-10 shows the logout by admin

Adding a new system administrator: The system administrator who is responsible for the system can add a new system administrator, since only the system administrator who adds a sub-system administrator to become the administrator of the subsystem has the same privileges as the system administrator. When you click on it, the login page of the administrator appears, and then logs on to the new system administrator registration page, as shown in the following pictures:

Fig. 3-11 shows the recording of a new manager by admin

Fig. 3-12 shows the new administrator login

3.7 Entry to advertised positions:

The administrator of the system who is responsible for the system can add a new system administrator, to go to view the functions advertised in the system and also edit and modify them commensurate with the system through access to the control panel for jobs and full of login information as in Next image:

Fig. 3-13 shows login by the administration to control declared jobs

The administrator of the system who is responsible for the system can modify the functions advertised through the control panel for jobs and full of information and modify information as in the following picture:

Fig. 3.14 illustrates the review of posts announced by the Administration

The administrator of the system who is responsible for the system can modify the functions advertised through the control panel for jobs and full of information and modify information as in the following picture:

Fig. 3-14 illustrates the modification of posts declared in the system by the administration

Note: The system administrator can also add a new function by clicking the Add Function tab and as shown in the following image

Fig. 3-15 illustrates the addition of a new function in the system by the administration

3.8 Access to the functions declared by users:

authorized users can view the functions advertised in the system and also add new functions to them in accordance with the terms of the system by entering the registration board for special functions and full of login information as in the following picture:

Figure 3-16 shows where users enter to review jobs

After registering the users in the login panel, they can view the posts advertised in the system and add new posts to them in accordance with the terms of the system by entering the registration board for the functions and full of login information, but we must note that the user has no authority to modify or delete any Function As the following picture shown:

Fig. 3-17 illustrates the user interface for job review

From the above image you should note that the user has no authority to modify or delete any function as shown.

We may have overlooked the review of some of the characteristics of the system. However, we hope that we are successful in reviewing the characteristics of the system, so the following two pictures show the review of the additional features of the system, which can be adopted as an integrated system of jobs. May God help us in the service of science and great Iraq.

Fig. 3-18 shows the additional properties of the system

Fig. 3-19 shows the additional characteristics of the system

IV. Conclusions

• We have found that using the rules of the SQL databases and the languages of HTML and PHP design in the system design (site) make the work easier.

• Easyin searching and dealing with databases and ease of addition, modification and deletion.

• Programming languages (PHP) are the most common for developing websites that deal with databases.

• The MySQL database and the programming language (PHP) are considered open sources free of charge compared to the database and in the same more secure and can scram it easily.

V. Recommendations

- Anyone can develop the scope of the present work by uploading the website to be accessible through local networks and the web.

- To get more effective and familiar site, another scripts can be used.

- To get more special reports, you can use more functions of SQL.

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