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Federal State Autonomus Educational Institution of High Professional Education South Ural State University (National Research University) Faculty of Computational Mathematics and Informatics Department of System Programming

THESIS IS CHECKED	ACCEPTED FOR THE DEFENSE		
Reviewer, leading web- developer	Head of the department, Dr. Sci., Prof.		
"App B: software Ltd"	L.B. Sokolinsky		
M.A. Dyachenko	··		
··			
SYSTEM "SALAR" GRADUATE Q	AGMEMENT INFORMATION Y" FOR HOSPITALS QUALIFICATION WORK 2017.115-145-2598.GQW		
	Supervisor		
	Senior teacher		
	A.I. Semenov		
	Cand. Sci., Assoc. Prof.		
	V.A. Golodov		
	Author, the student of the group CE-216 H.A. AL Saide		
	Normative control		
	O.N. Ivanova		

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INTRODUCTION

In Iraq, we have many governmental hospitals. Actually, in every Iraqi governorate there is more than one general hospital and one medical center. Each hospital consists of a huge number of different employees (for example: doctors, pharmacists, nurses, officials, technicians, etc.). There are many departments in the hospital which are in charge of specific types.

One of such departments is the Department of Accounting which is in charge of salaries and rises in salaries of the employees who work in the hospital. Considering that the hospital contains large numbers of employees which creates a difficulty to calculate all these salaries by a simple program that uses (access) programming language to manage the process of calculating salaries in this hospital.

We have to design a simple program that facilitates the process of counting salaries. Considering that I live in a remote area away from the governorate's center and that we still use old methods of papers and receipts to calculate our employees' salaries, this program will definitely make our work much easier.

This project can be developed in the future to involve other governmental offices to help improve the level of services offered to people.

This process will help others interested in the work of the hospital itself such as accountants, directors, legal experts and governmental inspectors. This is very useful for these people mentioned above to know for example how much money every employee gets at the end of every month.

We have to design a simple program that facilitates the process of counting salaries in hospitals.

Research Goal and Objectives

The goal of this research is to Development of Management Information System "Salary" for hospitals. The research has the following basic objectives:

- 1) analyze the subject area and create the use case diagram for the hospital;
- 2) create and develop a database structure for the research management system;
- 3) develop and implement a Development of Management Information System "Salary" for Hospitals;
 - 4) perform the testing of the system.

Practical Meaningfulness

Practical value of the work is to store large amounts of data and information, and simplify the receiving salary to employees by the hospital administration.

The thesis consists of five chapters, introduction, conclusion and a list of references.

Chapter one contains a description for the tools that are used in the research. I describe PHP as the programing language that I use in the research, Apache HTTP Server is the web application and MySQL is the database that I use in the research.

In Chapter two we have the overview electronic tests systems, as well as characteristics and disadvantages.

In chapter three I show the user interface of the system, database schema, description of database and use case diagram.

And finally chapter five is devoted to the testing of the application. The thesis has 38 pages; the list of references contains 17 resources.

1. DEVELOPMENT TOOLS

1.1. MySQL

MySQL is the most popular Open Source Relational SQL Database Management System. MySQL is one of the best RDBMS being used for developing various web-based software applications. MySQL is developed, marketed and supported by MySQL AB, which is a Swedish company. This tutorial will give you a quick start to MySQL and make you comfortable with MySQL programming [1].

A database is a structured collection of data. It may be anything from a simple shopping list to a picture gallery or the vast amounts of information in a corporate network. To add, access, and process data stored in a computer database, you need a database management system such as MySQL Server. Since computers are very good at handling large amounts of data, database management systems play a central role in computing, as standalone utilities, or as parts of other applications [2].

Whatever the size of the organization or the type of information and take, for example an elementary school, the database to which they relate will include all the information related to the teachers and put this information in a special table where teachers This table record for each teacher, and also includes this database of all information related to the students and also where this information is classified in Tables Each student has its own record and other information vary from school to school as accomplished in the field of sports and scientific debates and cultural, etc. [3].

MySQL is currently the world's most popular and widely used open source database technology and data storage system. MySQL offers great reliability and ease of use. An unusual advantage that MySQL offers that you can incorporate different database storage engines with it, depending on your need offers great

Reliability and ease of use MySQL.

1.2. PHP

Is a scripting language designed to fill the gap between SSI (Server Side Includes) and Perl, intended for the Web environment its principal application is the implementation of Web pages having dynamic content [5].

PHP has gained quite a following in recent times, and it is one of the frontrunners in the Open Source software movement. Its popularity derives from its C-like syntax, and its simplicity. The newest version of PHP is 5.5 and it is heavily recommended to always use the newest version for better security, performance and of course features [6].

If you've been to a website that prompts you to login, you've probably encountered a server side scripting language. Due to its market saturation, this means you've probably come across PHP.

PHP was designed by Rasmus Lerdorf to display his resume online and to collect data from his visitors.

Basically, PHP allows a static webpage to become dynamic. "PHP" is an acronym that stands for "PHP: Hypertext Preprocessor". The word "Preprocessor" means that PHP makes changes before the HTML page is created. This enables developers to create powerful applications that can publish a blog, remotely control hardware, or run a powerful website such as Wikipedia or Wikibooks. Of course, to accomplish something such as this, you need a database application such as MySQL [7].

PHP Admin is a free software tool written in PHP, intended to handle the administration of MySQL over the web. It supports a wide range of operations on MySQL and other DBMS. Frequently used operations (managing databases, tables, columns, relations, indexes, users, permissions, etc.) can be performed via

the user interface, while the developer will have the ability to directly execute any SQL statement [8]. If you've been to a website that prompts you to login you've Probably encountered a side scripting language.

PHP Admin comes with a wide range of documentation. The developers can use a variety of support channels to get help. To ease usage to a wide range of people, PHP Admin is translated into 72 languages and supports both LTR and RTL languages [9].

1.3. HTML

A markup language that is used to create documents on the world wide Web incorporating text, graphics, sound, video, and hyperlinks. HTML is used to create electronic documents (called pages) that are displayed on the World Wide Web. Each page contains a series of connections to other pages called hyperlinks. Every web page you see on the Internet is written using one version of HTML code or another. HTML code ensures the proper formatting of text and images so that your Internet browser may display them as they are intended to look. Without HTML, a browser would not know how to display text as elements or load images or other elements. HTML also provides a basic structure of the page, upon which Cascading Style Sheets are overlaid to change its appearance. HyperText Markup Language (HTML) is the primary building block of creating a website. HTML is a very basic markup language and requires memorization of a few dozen HTML commands that structure the look and layout of a web page. Before writing any HTML code or designing your first web page, you must decide on an HTML editor or text editor, such as Notepad or WordPad [10]. Once you have obtained an HTML editor and are ready to begin setting up your website, think about how you want the site to look and be set up. Hyper Text Markup Language, commonly referred to as HTML, is the standard markup language used to create web pages [6]. It is written in the form of HTML elements consisting of tags

enclosed in angle brackets (like <html>). HTML tags most commonly come in pairs like <h1> and </h1>, alt-hough some represent empty elements and so are unpaired, for example . The first tag in such a pair is the start tag, and the second is the end tag [11].

2. RELATED SOFTWARE

Comparative Analysis of the Existing Analogical Sites

These programs are widely spread in hospitals and in all of Iraq's institutions, in which they offer the time and effort for both the employee and the manager in receiving the salary we will review some of them.

Program Employee's Salaries in Hospital Baghdad

This program has been designed by using Visual Basic Dot Net programming language as well as using another program which is Microsoft Excel by which a data base can be created. It is one of the simplest and easiest programs and is considered as a very slow program which does not give the precise results of counting the employee's salary.

This program needs to develop the data base in a way that helps the accountant to be accurate in counting the salaries of the employees who work in the hospital and the other offices.

It is also regarded as one of the simplest ways to prepare the employees' salaries' ladder in a balanced manner in companies and governmental institutions by determining a roof of specialization salary occupied by this profession and also by assessing professions by their value.

The latter can be determined by many methods like simple arranging method, degrees method, method of comparisons or by points method according to the nature of the jobs in the establishment, its size, and the number of its professions. It can be used for purposes of employing, raises, annual extras, promotions and other information of the employee.

These programs are used by many governmental and private offices in Iraq and they are very old ones that do not go along with the technological developments. In addition to that, it is difficult for the employee to learn about the new changes in the salary whether there is an increase or decrease in the total salary.

Therefore, it is considered as a bad program and has to be updated from a time to time. Any user can access any information of a particular employee through this program so it is regarded as an incomplete, open source and vulnerable program. See figure 1.

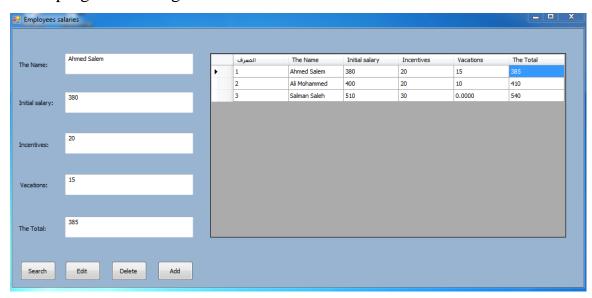


Fig. 1. System Salaries in Hospital Baghdad

The program has the following features:

- 1) easy to use;
- 2) easy to programmed;
- 3) has a system of windows provided to the user by Visual Basic program;
- 4) an open-source program;
- 5) printing monthly salaries and saving records of salaries of previous moths;

6) data base can easily be infringed and its code to be broken which makes the program vulnerable.

Disadvantages of the program:

- 1) The program will stop working if any defect in the data base occurs;
- 2) If Microsoft Excel is not installed on the computer or has been uninstalled the program stops working;
 - 3) Open source program;
- 4) data base can easily be infringed and its code to be broken which makes the program vulnerable;
- 5) when the data base is violated the hacker can change the data as they want which makes the program useless;
- 6) the program needs other supportive programs in order for it to work properly including Microsoft Excel (previously mentioned) and (Adobe Flash Player);
- 7) when the computer is exposed to a malicious virus, the program can possibly stop working and crashes as it saves in (exe) format;
- 8) the program might fail when it is moved to another computer which has another operating system or a Microsoft version.

Monthly Salary Statement

To prepare Monthly Salary Statement use Monthly Salary Statement option under the Employee menu.

A window will be displayed showing the list of employees in the middle, you can categories the list by ticking either of the two checkboxes if you mark the checkbox Permanent list of permanent employees will be displayed, if you mark the check box Casual list of casual employees will be displayed or if both are marked list of all employees will be displayed as by default.

You can select the month of the year from the second frame which consists of list of 12 month. To make the monthly salary statement of selected employees from the list, you can click against the employee name and press the Insert key of the keyboard; by this action you will see the employee name under the selected employee list on the right panel.

The another way to do the same operation is click the button Add All this will cause the whole list of employee name to be copied and from here you can delete unwanted employee names, for this click against name and press the Delete key of the keyboard.

Once the list of employees is ready, select the month for which monthly salary is to make. See figure 2.

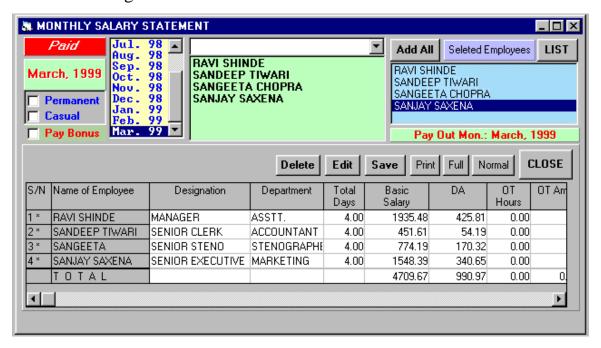


Fig. 2. Monthly Salary Statement

On the left hand side there is a scroll down list, listing month and year, you can reach to the desired month with the help of scroll bar and can easily select the month with a mouse click.

Click the button List of the Selected employee panel, if the monthly salary statement was already made and saved for that month then you will see a * sign

after each employee name and if it was not made then it will do the processing now and select any bottom.

You can select the month of the year from the second frame which consists of list of 12 month To make the monthly salary statement of selected employees from the list, you can click against the employee name and press the Insert key of the keyboard; by this action you will see the employee name under the selected employee list on the right panel. The another way to do the same operation is click the button Add All this will cause the whole list of employee name to be copied and from here you can delete unwanted employee names.

3. DEAIGH SOFTWARE

3.1. Use Case Diagram

A use case describes a sequence of actions that provide something of measurable value to an actor and is drawn as a horizontal ellipse.

An actor is a person, organization, or external system that plays a role in one or more interactions with your system. Actors are drawn as stick figures.

Associations between actors and use cases are indicated in use case diagrams by solid lines [12]. Fig. 3 shows the developed use case diagram.

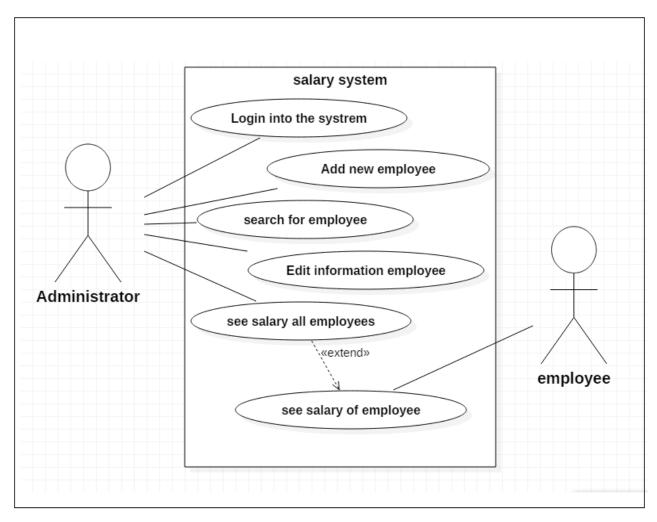


Fig. 3. the Use Case Diagram for hospital

An association exists whenever an actor is involved with an interaction described by a use case. Associations are modeled as lines connecting use cases and actors to one another, with an optional arrowhead on one end of the line. The arrowhead is often used to indicating the direction of the initial invocation of the relationship or to indicate the primary actor within the use case [13].

The arrowheads are typically confused with data flow and as a result I avoid their use. Fig. 3 shows the developed use case diagram.

Developed model contains many typical use cases such as "log into the system", "add new employee", "search for employee", "Edit information employee", "See salary all employees", "See salary of employee",

3.2. User Interface of the System

User interface design (UID) or user interface engineering is the design of user interfaces for machines and software, such as computers, home appliances, mobile devices, and other electronic devices, with the focus on maximizing the user experience. The goal of user interface design is to make the user's interaction as simple and efficient as possible, in terms of accomplishing user goals (user-centered design). In my system there are 12 forms, each form has a certain function, such as it is shown in fig. 4.

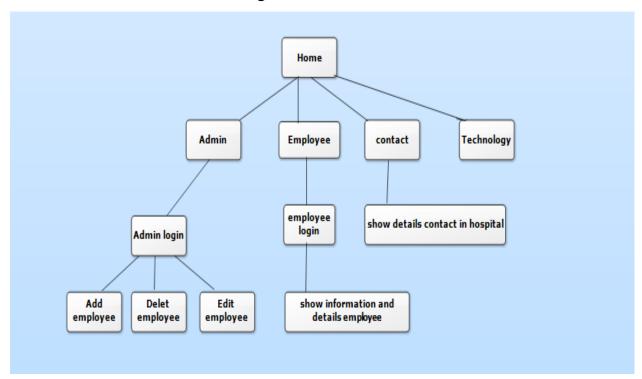


Fig. 4. the User Interface of system

3.3. Description of Database

Databases today are essential to every business. In essence, a database is a collection of information that exists over a long period of time, often many years. In common parlance, the term database refers to a collection of data that is managed by a DBMS.

The DBMS is expected to allow users to create new databases and specify their schemas (logical structure of the data), give users the ability to query and modify the data [14].

A DBMS is a powerful tool for creating and managing large amounts of data efficiently and allowing it to persist over long periods of time, safely. These systems are among the most complex types of software available.

MySQL, launched in 1995, has become the most popular open source DBMS [15]. Another root cause of MySQL's popularity has been the ongoing success of phpMyAdmin (www.phpmyadmin.net), a well-established MySQL web-based interface. Therefore, many websites use MySQL as their back-end data repository.

3.4. Database Scheme

A database system is its structure described in a formal language supported by the database management system (DBMS) and refers to the organization of data as a blueprint of how a database is constructed (divided into database tables in the case of relational databases).

The formal definition of database schema is a set of formulas (sentences) called integrity constraints imposed on a database. These integrity constraints ensure compatibility between parts of the schema. All constraints are expressible in the same language [16].

A database can be considered a structure in realization of the database language. The states of a created conceptual schema are transformed into an explicit mapping, the data base schema. This describes how real world entities are modeled in the database.

A database schema specifies, based on the database administrator's knowledge of possible applications, the facts that can enter the database, or those of interest to the possible end users. The notion of a database schema plays the same role as the notion of theory in predicate calculus [17].

A model of this "theory" closely corresponds to a database, which can be seen at any instant of time as a mathematical object. In my database scheme I have tenth tables and each table contains detailed information. Fig. 5 shows my database.

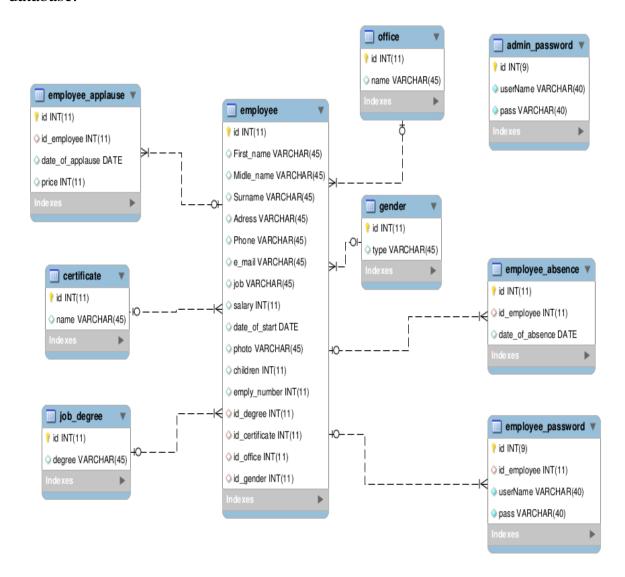


Fig. 5. Database schema in my project

3.4.1. The employee applause table is shown in figure 6.



Fig. 6. The employee applause table

- 1) Id INT the primary key for employee table;
- 2) Id_employee INT the foreign key for employee table;
- 3) date_of_applause Date the;
- 4) price INT the applause in salary employee.
- 3.4.2. The employees table is shown in figure 7.

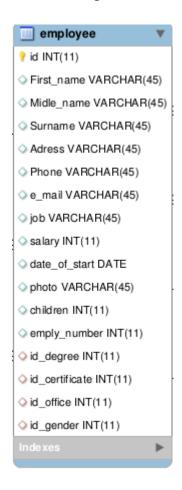


Fig. 7. The employee table

- 1) Id INT the primary key for employee table;
- 2) First_name the first name for employee who works in hospital;
- 3) Middle_name the second name (father name) for the employee;
- 4) Surname the family name for employee;
- 5) Address the address for employee;
- 6) Phone the number phone for employee;

- 7) E_mail the email for employee;
- 8) Id _ job the foreign key for job table;
- 9) Salary the salary for employee;
- 10) Photo to insert picture of employee;
- 11) Children INT the number of children of employee;
- 12) emply_number INT the serial number of employee;
- 13) Id_degree the job degree of employee;
- 14) Id_certificate the certificate of employee;
- 15) Id_office the foreign key for office table;
- 16) Id_gender the foreign key for gender table.
- 3.4.2. The employee password table is shown in figure 8.



Fig. 8. The employee password table

- 1) Id INT the primary key for employee;
- 2) Id_employee the foreign key for employee table;
- 3) Username the username for employee;
- 4) Password the password for employee.
- 3.4.3. The gender table is shown in figure 9



Fig. 9. The gender table

- 1) Id INT the primary key for gender;
- 2) Type the type.
- 3.4.4. The employee absence table is shown in figure 10.



Fig. 10. The employee absence table

- 1) Id INT the primary key for employee;
- 2) Id_employee the foreign key for employee table;
- 3) Date_of_absence Date the absence date employee.
- 3.4.5. The office table is shown in figure 11.

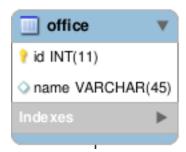


Fig. 11. The office table

- 1) Id INT the primary key for office;
- 2) Name the name of Employee office.

3.4.6. The office table is shown in figure 12.

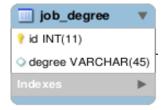


Fig. 12. The job degree table

- 1) Id INT the primary key for Job degree table;
- 2) Degree the type of job degree for every employee in hospital.
- 3.4.7. The office table is shown in figure 13.



Fig. 13. The certificate table

- 1) Id INT the primary key for certificate;
- 2) Name the name of certificate.
- 3.4.8. The admin password table is shown in figure 14.



Fig. 14. The admin password table

- 1) Id INT the primary key for table admin password;
- 2) User Name the name of user;
- 3) Password the password for every user.

3.5 Development of the interface

User interface design is the design of websites and software applications with the focus on the user's experience and interaction.

The goal of user interface design is to make the user's interaction as simple and efficient as possible, in terms of accomplishing user goals. The home page is the login page such as it is shown in fig. 15.

The main interface includes the following commands: (Home, Admin, Employees, Technology, Record and Contact).

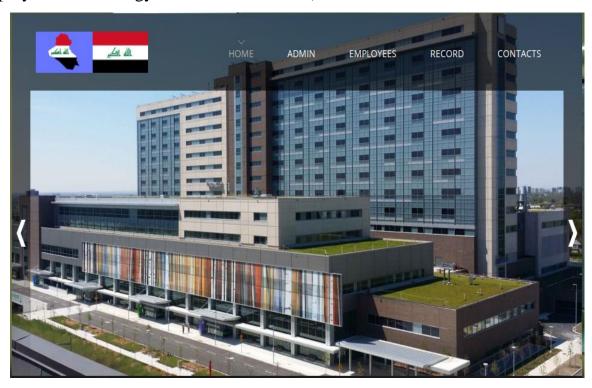


Fig. 15. Home page

Home: When pressing this button it will return us to the main interface from any place.

Admin: This command enables the manager to login to the program. When pressing this button it will display another window called: "Admin Login Page" which includes the following fields and buttons: (User, Password, Login and Back).

After typing the "Username" and "Password" and then pressing "Login", the manager will be able to login to the program. See figure 16.

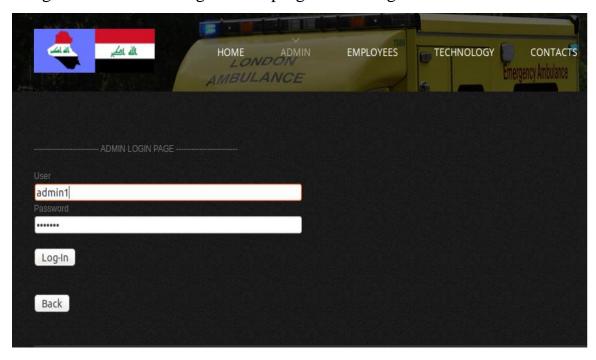


Fig. 16. Admin login page

After pressing "Login" in the previous interface another window will be displayed. It contains the following options: Search Employees, Add Employees and Logout), See figure 17.

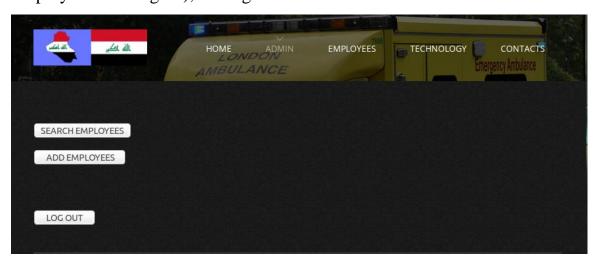


Fig. 17. Search employee, Add employee page.

When pressing on "Search Employees" option it will direct us to another window.

This window enables the manager to search for any employee by typing the required information of that employee such as: (First Name, Middle Name, Last Name, and Salary), See figure 18.

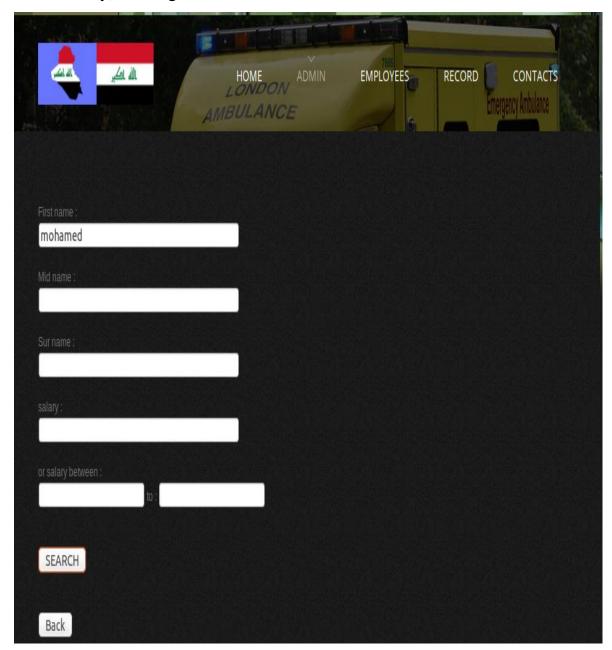


Fig. 18. search employee page.

When pressing the "Search" button as in the above photo a new window appears called "Result of Search". This window contains the search results and

the following buttons: (Edit, Remove, Reload and Back), these buttons enable us to edit or remove a specific employee's information.

The button "Back" is used to go back to the previous window, See figure 19.

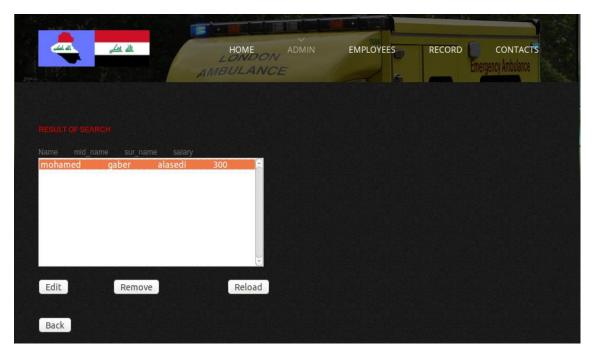


Fig .19. Result of search page.

For example, if we want to edit the information of an employee we press on the name of the targeted employee and then we press "Edit". The following window appears that is called "Edit Employee Information", See figure 20.

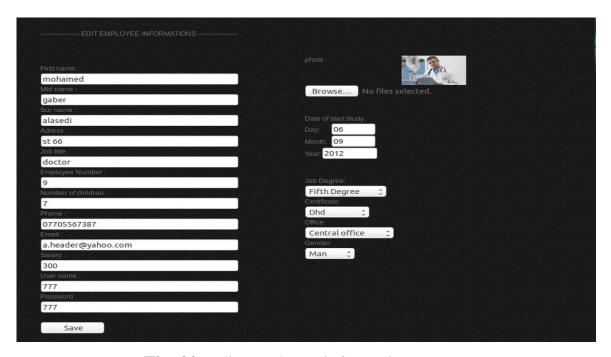


Fig .20. Edit Employee information page.

When back to the command "Admin" in the main page we will find the second option "Add Employee". When pressing on this option the following window appears that is called "Add New Employee" which contains a number of the following fields and buttons: (First Name, Middle Name, Surname, Address, Phone, Email, Username, Password, Date of Work Start, and Salary). They enable the admin to add the information of a new employee, See figure 21.

THE RESERVE TO SERVE THE RESERVE THE RESERVE TO SERVE THE RESERVE	ADD A NEW EMPLOYEE
1	First name 1:
	mohamed
	Mid name*:
	ali Sur name * :
	alasedi
	WW22
	Job tile *: doctor
	Number of children ? :
	4 Employee Number *:
	887
	Phone : 07705795477
	Email:
	a.header@yahoo.com Username *:
	666
	666
	Browse images.jpeg
	Date of start work: Day: 6
	Month 3
	Year 2013
	666
	Password *: 666
	Browse images.jpeg
	Date of start work : Day : 6
	Month: 3
	Year 2013
	salary:
	400
	Job Degree :
	First Degree Certificate:
	Dhd Coffice :
	Central office
	Gender: Man \$\displaystyle{\pi}\$
	SAVE

Fig. 21. Add New Employee page.

If we press the "Save" button adding results will be displayed, See figure 22.

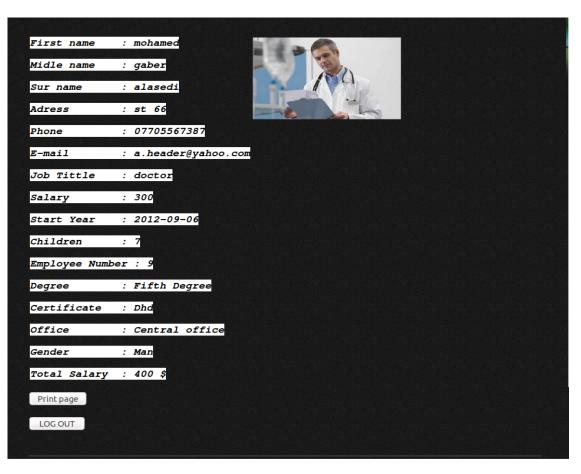


Fig. 22. Information Employee page.

Employee: When pressing on this command it will display the following window which is called "Employee Login Page" that contains the "Username" and "Password" fields, See figure 23.

STU	DENT LOGIN PAGE		
header1988			
Password			
•••••			
Log-In			

Fig. 23. Employee Login page.

When you click the "Login" option, it will be redirected to another window which contains all the information about the employee, See figure 24.

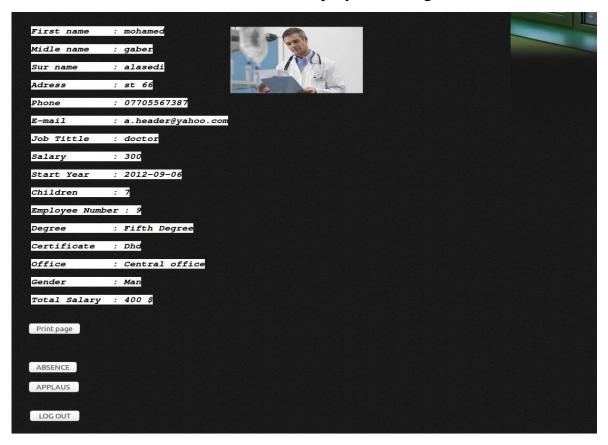


Fig. 24. Information Employee page.

When pressing "Raise" button, the following page will appear, See figure 25.

First name : mohamed	
Midle name : gaber	
Sur name : alasedi	
price of raise : 100 \$	
Date	raise
2015-04-03	100 \$
Go Back	

Fig. 25. Absence of Employee page.

Through it the employee can learn the days of their absence.

4. TESTING

Functional system tests should be based around coverage of the functionality described in the requirements, but it is common for the design document to be used as the baseline for testing because the requirements cannot be related to the product.

Each test of my system contains input and output information. Therefore, we compare the actual results and the expected results.

The main page testing

Table 1. The main page testing

No	Test case	Test steps	Expected Result	actual
				results
1.	To show main	1. The user opens	Any employee	The
	Page	the internet	can only watch	function
		explorer.	this With the list	works
		2. The user	of the main	correctly
		writes local	sections.	
		host/hospital.		
2.	To give all	The user press	Any employee	The
	employees	"contact" button.	can	function
	the permission		See the page	works
	to see the page		"Contact"	correctly
	"Contact"			

3.	To give all	Any employee	Any employee	The
	employees the	can	can	function
	permission to	See the page	See the page	works
	see the page	"Technology"	"Technology"	correctly
	"Technology"			

Admin interface testing

Table 2. Admin interface testing

No	Test case	Test steps	Expected Result	actual
				results
1.	When the	1. Enter	open the Admin	The
	admin enters	"Haider_Admin" in	page	function
	the user	name		works
	name and	2. Enter "1234"In		correctly
	Password	password		
	properly.			
2.	When the	1. Enter	System should	The
	admin Enters	"Haider_Admin" in	prompt the user	function
	username and	name	to enter valid	works
	password	2. Enter not correct	values.	correctly
	improperly	password		
3.	If the admin	1. Enter not Correct	System should	The
	enters	Name	prompt the user	function
	incorrect	2. Enter "123" In	to enter valid	works
	username and	password	values.	correctly
	password			

4.	If the admin	1. Enter not Correct	System should	The
	enters	Name	prompt the user	function
	incorrect	2. Enter "123" In	to enter valid	works
	username and	password	values.	correctly
	password			

Continuation of table 2

5.	When the	1. Enter incorrect	System should	The
	admin enters	name does not exist	prompt the user	function
	incorrect	in database.	to enter valid	works
	username and	2. Enter "188" In	values.	correctly
	incorrect	password		
	password			
6.	The admin	1. The admin press	The system	The
	search in the	search.	shows employee	function
	database of	2. The admin	name.	works
	the employee	choose employee		correctly
	name or the	name.		
	job.			
7.	Add a new	The Admin can	The system	The
	employee in	insert name	saves the	function
	the database	employee, job	employee	works
	of the admin	Degree, e-mail,	information.	correctly
	page.	phone, employee		
		number, etc. and		
		register them in		
		database		
8.	The admin	1. The admin press	The system will	The
	wants delete	"search employee"	delete employee	function
	some	button.	information.	works
	employee.	2. The admin select		correctly
		employee name.		

9.	The admin	1. The admin press	The system will	The
	wants edit	"search employee"	edit employee	function
	some	button.	information.	works
	employee.	2. The admin select		correctly
		employee name.		
		3. The admin press		
		"Edit".		

End of table 2

Employee interface testing

Table 3. The employee interface testing

No	Test case	Test steps	Expected Result	actual
				results
1	IF the user	1. Enter "Ahmed	Should open the	The
	enters valid	it" in name	page for	function
	username and	2. Enter "1988"In	Ahmed's	works
	valid	password	employee.	correctly
	password			
2	If the user	1. Enter not	Should don't open	The
	enters	correct name	the	function
	Incorrect user	2. Enter "123"	Page for	works
	name and	password	employee.	correctly
	password			
3	IF the user	1. Enter not	Should don't open	The
	enters valid	correct name	the	function
	username and	2. Enter "123"	Page information	works
	correct	password	employee.	correctly
	password			

3	The user	The user press	He will see the	The
	wants see his	"employees"	total salary and his	function
	salary and his	button.	information.	works
	information	1. Enter		correctly
	(number	"Ahmed" in		
	telephone,	name.		
	E-mail,	2. Enter "1988"		
	number of	in password.		
	children etc.)			
4	The user will	1. Enter	He will see	The
	see increase	"Ahmed_	increase of his	function
	of his	Employee" in	monthly salary.	works
	Salary.	name.		correctly
		2. Enter "1988"		
		in password. He		
		will		
		see a plus of in		
		his		
		monthly salary		
	IF the user	1. Enter not	Should don't open	The
	enters valid	correct name	the	function
	username and	2. Enter "123"	Page information	works
	correct	password	employee.	correctly
	password			

End of table 2

CONCLUSION

In the Republic of Iraq there are systems of calculating salaries. However, these systems are old and outdated as they cause many problems when working on them. To solve these problems, it is an important task to design a new program to calculate salaries and make this process much easier.

This program is different from the older ones in which it presents new options such as calculating the salaries of the employees, their days of absence and a lot of other information about them.

This process will help others interested in the work of the hospital itself such as accountants, directors, legal experts and governmental inspectors. This is very useful for these people mentioned above to know for example how much money every employee gets at the end of every month.

During the process of developing this program, we managed to solve the following tasks:

- 1. the system of salaries' calculation in hospitals has been described;
- 2. the required database of the salaries' calculation system has been described;
- 3. the system of salaries' calculation in hospitals has been implemented and tested.

I think this program can offer a lot to help ease the process of salaries' calculation not only in the hospital where I work but in other hospitals as well.

Therefore, based on this assumption, I believe that this program can be developed in the future to cover other governmental offices and establishments making the process of calculating salaries easier and more practical. It could also be developed to perform other useful tasks in the near future.

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