

**Cairo Higher Institute
for Engineering,
Computer Science and
Management**



معهد القاهرة العالي
للهندسة وعلوم الحاسب
والاداره

Project (1)

Security Company Management System

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Abstract

Design and construction of a

Security Company Management System :

A customer comes to the company and the supervisor speaks to him about the advantages of the company in security and give him a catalogue.

Then the customer chooses what he wants to secure

After that supervisor takes information (the id, name and address of the place to sign the contract). The supervisor gives the employees the address to secure it. The supervisor makes an update to the employees' file and make inventory to the customers file and makes reports to the manager.

The manager gives salary.

Acknowledgment

I would like to express my special thanks of gratitude to my teacher Eng.Hadeer Ashraf and Eng. Abdelrahman Sami as well as our principal Dr.Osama Fathy who gave me the golden opportunity to do this wonderful project on the topic System Analysis and Design, which also helped me in doing a lot of Research and i came to know about so many new things I am really thankful to them.

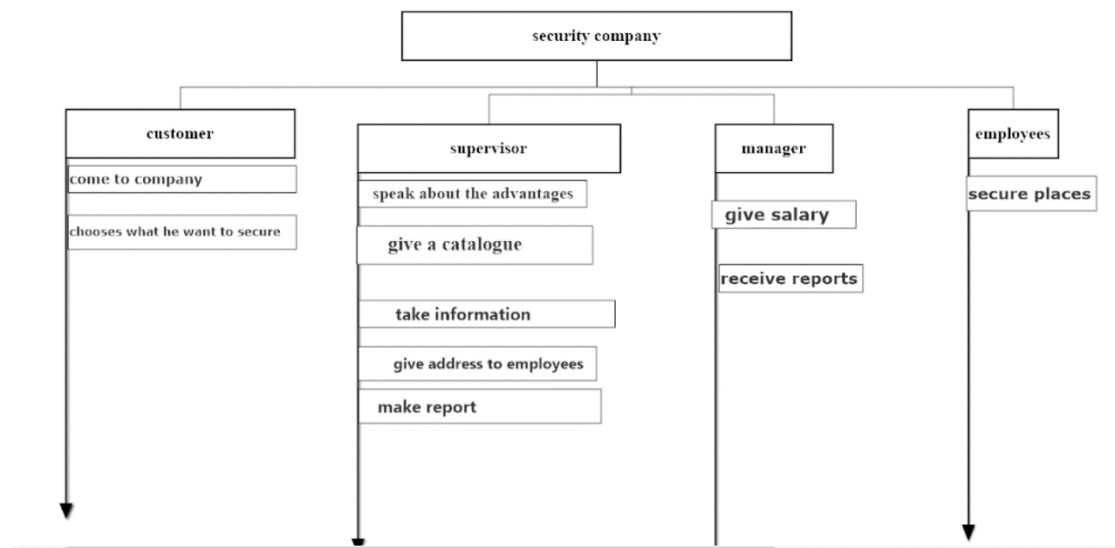
Secondly i would also like to thank my parents and friends who helped me a lot in finalizing this project within the limited time frame.

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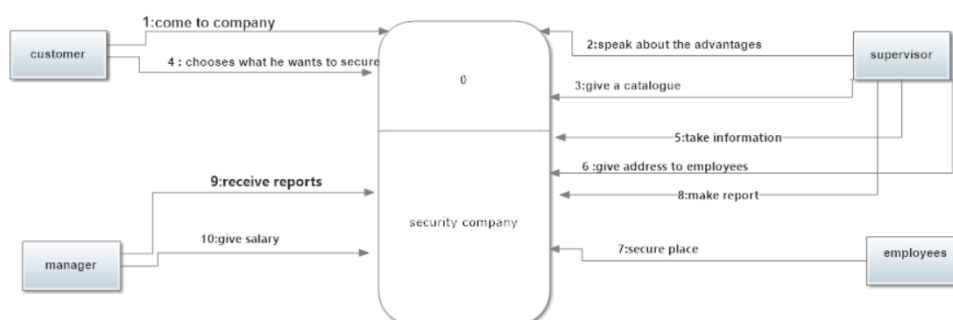
Figures :

1.1

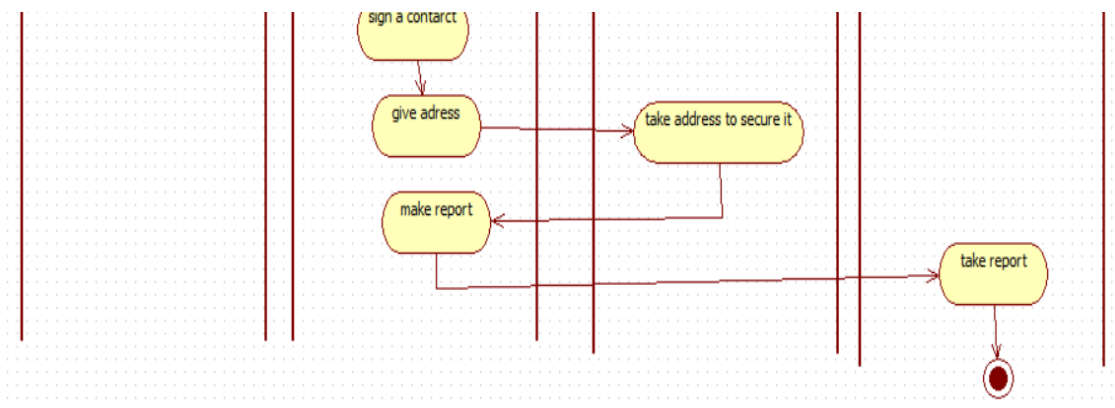
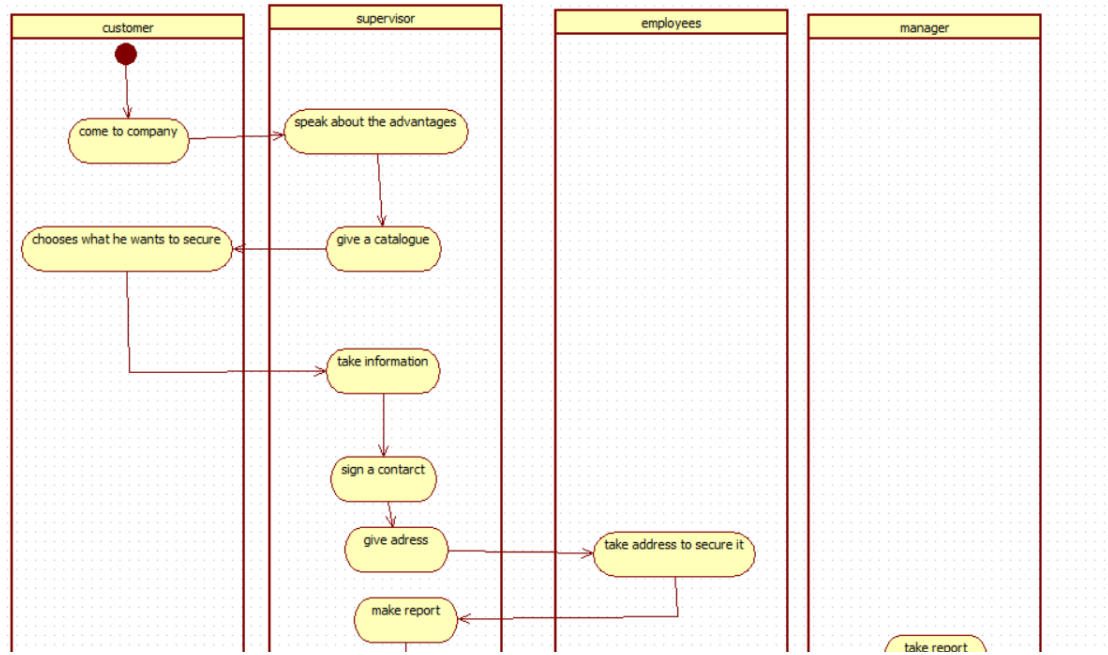


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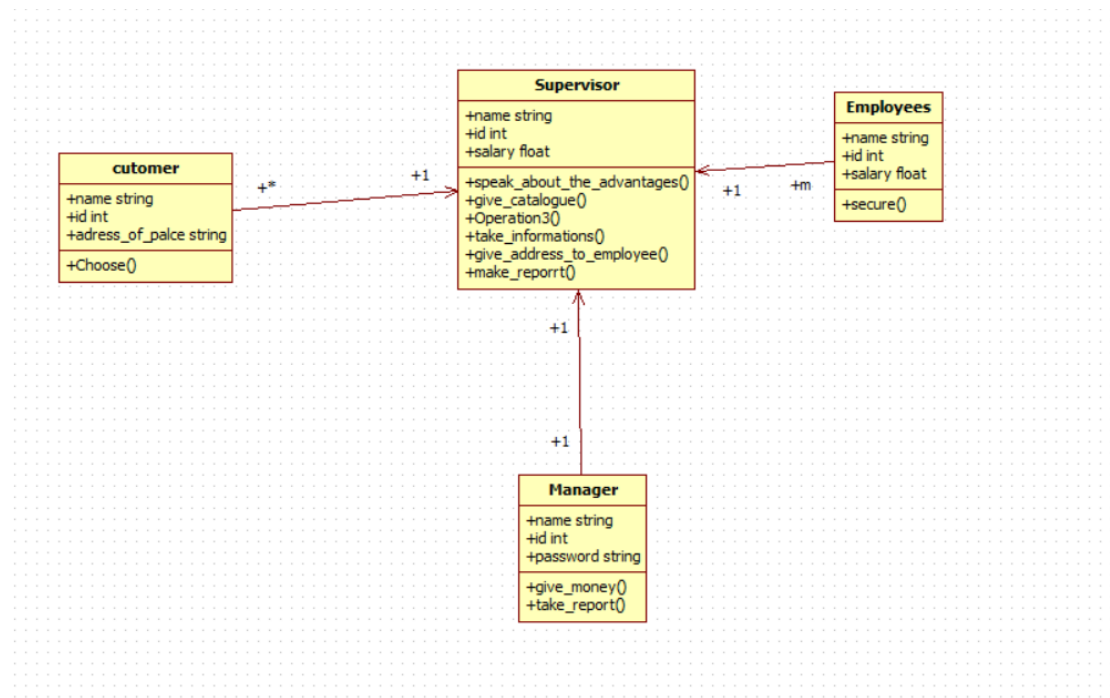
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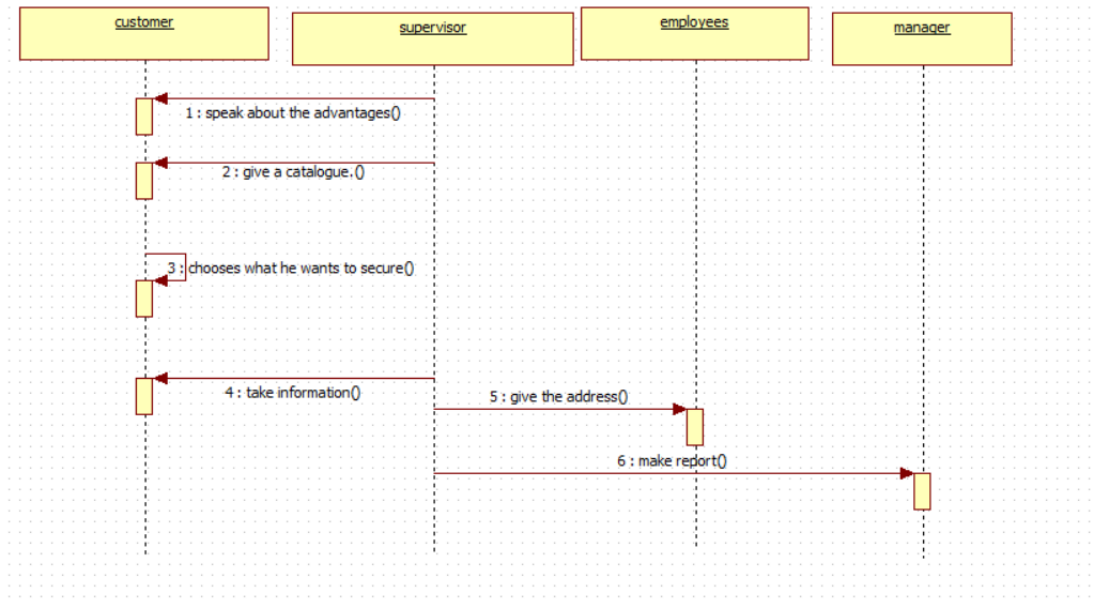
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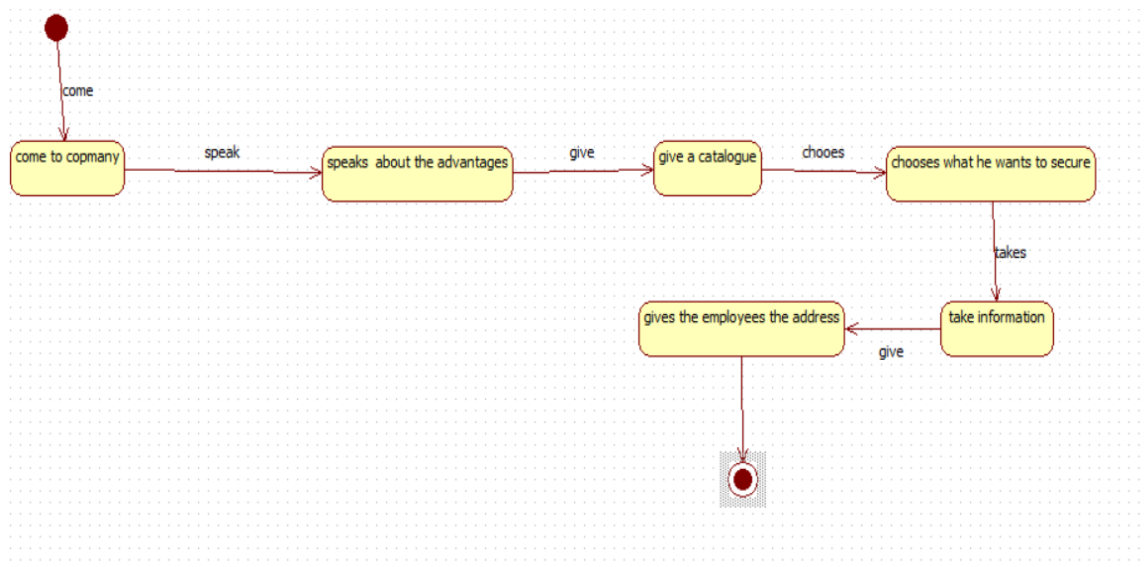
2.2



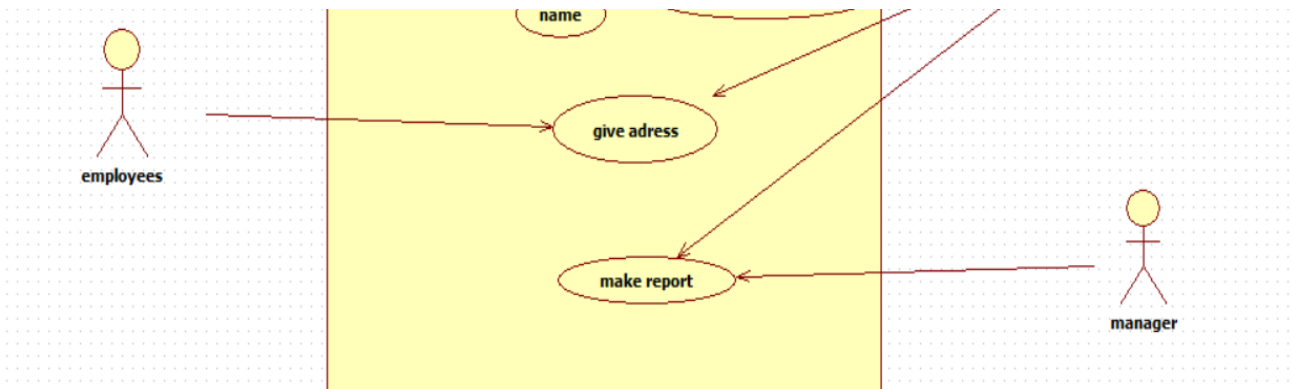
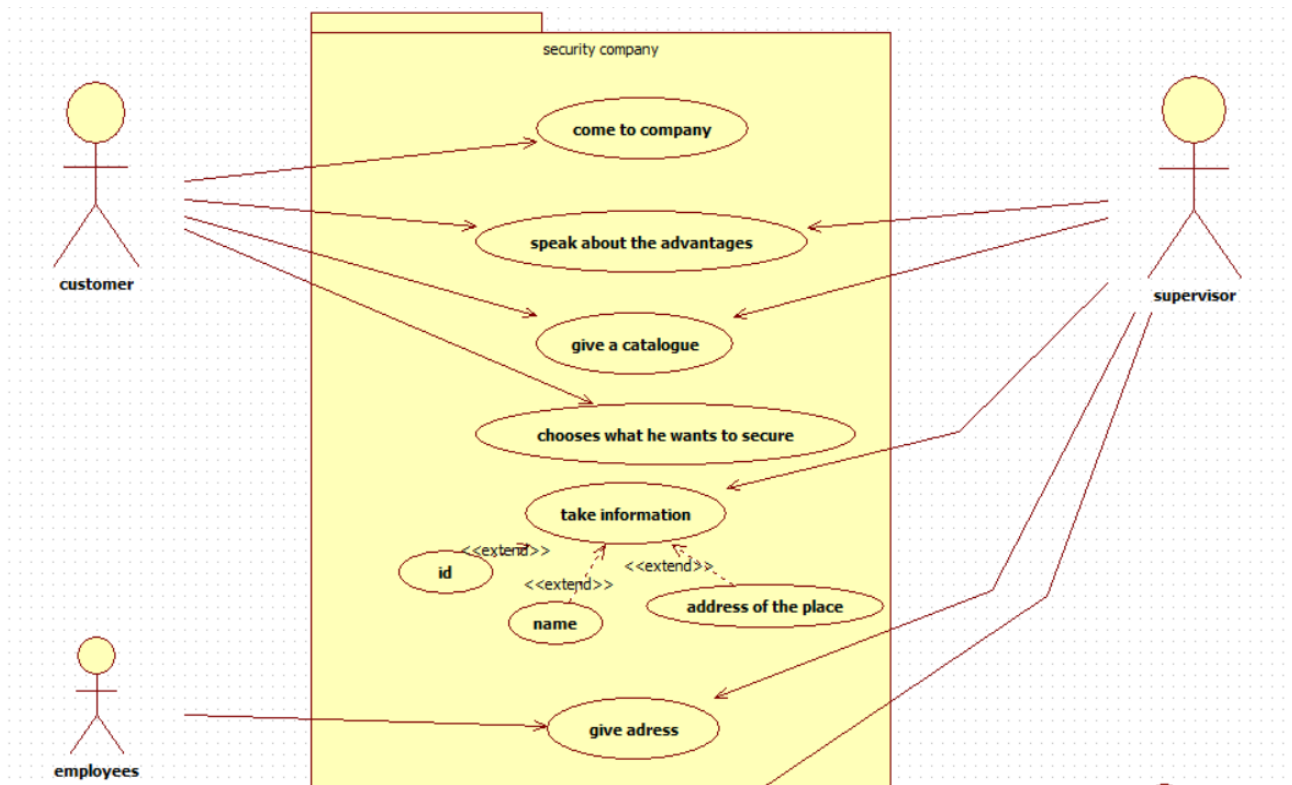
2.3



2.4



2.5



3.1

Company Security

Home About Contact

ContentPlaceHolder1 (Custom)

User name	<input type="text"/>	please enter name
Passowrd	<input type="password"/>	please enter password
		asp:Button#Button1 Login

3.2

Company Security

Home About Contact

Supervisor

id	username	password	salary
1	omar	123	3000
3	worker	123	155

ID

Delete

Update new salary

Insert

Reports

id	msg
1	i will work hard manager
2	000000
3	000000
4	employee 3 need money

ID

Delete

Employees

id	username	salary
1	omar	3000
2	aly	6000
4	ok	1000

ASP project © CHI 2020

3.3

Company Security

Home About Contact

user name cont be empty
 password enter password
 salary enter salary

ASP project © CHI 2020

3.4

Company Security

Home About Contact

Supervisor

id	username	password	salary
1	omar	123	3000
3	worker	123	155

Reports

ID

new salary

3.5

Employees

id	username	salary
1	omar	3000
2	aly	6000
4	ok	1000

ID

new salary

user name: salary:

3.6

Employees

id	username	salary
1	omar	3000
2	aly	6000
4	ok	1000

ID

new salary

user name: salary:

3.7

Company Security

Home

About

Contact

Reports

Send Report

Chapter Five

Implementation

5.1 Introduction:

A customer comes to the company and the supervisor speaks to him about the advantages of the company in security and give him a catalogue.

Then the customer chooses what he wants to secure

After that supervisor takes information (the id, name and address of the place to sign the contract). The supervisor gives the employees the address to secure it. The supervisor makes an update to the employees' file and make inventory to the customers file and makes reports to the manager.

The manager gives salary.

5.2 Analysis Components:

- Scenario: a written outline of a film, novel, or stage work giving details the plot and individual scenes. of
- DFD: is a way of representing a flow of a data of a process or a system (usually an information system)
- FD: A diagram that indicates the functions of the principal parts of a system and also shows the important relationships and total among these parts.interactions

5.3 Design Components:

Class Diagram: is an illustration of the relationships and source code dependencies among classes in the Unified Modeling Language (UML)

Sequence Diagram : shows object interactions arranged in time sequence.

State Diagram: is a type of diagram used in computer science and related fields to describe the behavior of systems

Activity Diagram: graphical representations of workflows of stepwise activities and actions with support for choice

Use Case Diagram: is a graphic depiction of the interactions among the elements of a system

5.4 Database Components:

Sql Server: a relational database management system developed by Microsoft. As a database server

Sql Management Studio : a software application first launched with Microsoft SQL Server 2005 that is used for configuring, managing, and administering all components within Microsoft SQL Server

5.5 software Coding Components:

C# : a programming language developed by Microsoft that runs on the .NET Framework. C# is used to develop web apps, desktop apps, mobile apps, games and much more

Microsoft Visual Studio :an integrated development environment from Microsoft. It is used to develop computer programs, as well as websites, web apps, web services and mobile apps.

Asp.net : **ASP.NET** is an [open-source](#),^[2] [server-side web-application framework](#) designed for [web development](#) to produce [dynamic web pages](#). It was

developed by [Microsoft](#) to allow [programmers](#) to build dynamic [web sites](#), [applications](#) and [services](#).

It was first released in January 2002 with version 1.0 of the [.NET Framework](#) and is the successor to Microsoft's [Active Server Pages](#) (ASP) technology. ASP.NET is built on the [Common Language Runtime](#) (CLR), allowing programmers to write ASP.NET code using any supported [.NET language](#). The ASP.NET [SOAP](#) extension framework allows ASP.NET components to process SOAP messages.

Chapter Six

Conclusion and future work

5.1 Introduction.

5.2 Conclusion:

5.3 Future Work

Appendix

Source Code

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
namespace projectCompany
{
    public partial class login : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {
            if(Request.QueryString["username"]!=null &&
Request.QueryString["password"] != null)
            {
                Label1.Text = Request.QueryString["username"];
                Label2.Text = Request.QueryString["password"];

            }
        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection();
            con.ConnectionString = ("Data Source=DESKTOP-7LKJL60;Initial
Catalog=company;Integrated Security=True");
            con.Open();
            SqlCommand cmd = new SqlCommand();
            cmd.Connection = con;
            cmd.CommandText = "select * from manager where username =' " +
TextBox1.Text + "' and password =' " + TextBox2.Text + "'";
            DataTable dt = new DataTable();
            dt.Load(cmd.ExecuteReader());
            con.Close();
            if (dt.Rows.Count > 0)
            {
                Response.Redirect("Manager.aspx");
            }
            else

```

```

{
    SqlConnection con2 = new SqlConnection();
    con2.ConnectionString = ("Data Source=DESKTOP-7LKJL60;Initial
Catalog=company;Integrated Security=True");
    con2.Open();

    SqlCommand cmd2 = new SqlCommand();
    cmd2.Connection = con2;
    cmd2.CommandText = "select * from supervisor where username ='
+ TextBox1.Text + "' and password =' " + TextBox2.Text + "'";
    DataTable dt2 = new DataTable();
    dt2.Load(cmd2.ExecuteReader());
    if (dt2.Rows.Count > 0)
    {

Response.Redirect("Supervisor.aspx?username='"+TextBox1.Text+"&password="+Text
Box2.Text+"
");
    }
    else
    {
        Label3.Visible = true;
    }

    }
}
}
}

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
namespace projectCompany
{
    public partial class Manager : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }

        protected void Button1_Click(object sender, EventArgs e)
        {
            Response.Redirect("InsertSupervisor.aspx");
        }

        protected void Button2_Click(object sender, EventArgs e)
        {
            SqlConnection con = new SqlConnection();
            con.ConnectionString = ("Data Source=DESKTOP-7LKJL60;Initial
Catalog=company;Integrated Security=True");
            con.Open();
            SqlCommand cmd = new SqlCommand();

```

```

        cmd.Connection = con;
        cmd.CommandText = "update supervisor set salary = " + TextBox3.Text
+ " where id = " + TextBox1.Text + " ";
        cmd.ExecuteNonQuery();
        con.Close();
    }

    protected void TextBox3_TextChanged(object sender, EventArgs e)
    {

    }

    protected void Button3_Click(object sender, EventArgs e)
    {

        SqlConnection con = new SqlConnection();
        con.ConnectionString = ("Data Source=DESKTOP-7LKJL60;Initial
Catalog=company;Integrated Security=True");
        con.Open();
        SqlCommand cmd = new SqlCommand();
        cmd.Connection = con;
        cmd.CommandText = "delete from supervisor where id = " +
TextBox1.Text + " ";
        cmd.ExecuteNonQuery();
        con.Close();
        Response.Redirect("Manager.aspx");
    }

    protected void Button6_Click(object sender, EventArgs e)
    {
        SqlConnection con = new SqlConnection();
        con.ConnectionString = ("Data Source=DESKTOP-7LKJL60;Initial
Catalog=company;Integrated Security=True");
        con.Open();
        SqlCommand cmd = new SqlCommand();
        cmd.Connection = con;
        cmd.CommandText = "delete from reports where id = " + TextBox2.Text
+ " ";
        cmd.ExecuteNonQuery();
        con.Close();
        Response.Redirect("Manager.aspx");
    }
}
}

```

```

using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;
using System.Data;
using System.Data.SqlClient;
namespace projectCompany
{
    public partial class InsertSupervisor : System.Web.UI.Page
    {
        protected void Page_Load(object sender, EventArgs e)

```

```

{
}

protected void Button1_Click(object sender, EventArgs e)
{
    SqlConnection con = new SqlConnection();
    con.ConnectionString = ("Data Source=DESKTOP-7LKJL60;Initial
Catalog=company;Integrated Security=True");
    con.Open();
    SqlCommand cmd = new SqlCommand();
    cmd.Connection = con;
    cmd.CommandText = "insert into supervisor
(username,password,salary) values ('" + TextBox1.Text + "' ,'" + TextBox2.Text
+ "' ,'" + TextBox3.Text + "' ) ";
    cmd.ExecuteNonQuery();
    con.Close();
    Response.Redirect("Manager.aspx");
}
}
}

```

DATABASE CODE

```
create database company
)create table manager
,id int primary key
,(30)username varchar
(30)password varchar
;(
)create table supervisor
,id int primary key identity
,username varchar(30) unique
,(30)password varchar
salary float
;(
)create table employees
,id int primary key identity
,username varchar(30) unique
salary float
;(
)create table customers
,id int primary key identity
,username varchar(30) unique
(30)address varchar
;(
)create table reports
,id int primary key identity
(500)msg varchar
;(
```

```
;insert into manager values(1,'mado','123')  
  
insert into supervisor (username,password,salary)  
;values('omar','123',3000)  
  
;insert into reports (msg) values(' i will work hard manager')  
  
;insert into employees (username,salary) values('omar',3000)  
  
;insert into employees (username,salary) values('aly',2000)
```

References

Books references:

C#

Sql Server

Sites references:

Stackoverflow.com

wikipedia.com

w3school.com

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ملخص

تصميم وبناء نظام إدارة شركة الأمن

يأتي العميل إلى الشركة ويتحدث المشرف معه عن مزايا الشركة في مجال الأمن ويقدم له كتالوجًا.

ثم يختار العميل ما يريد تأمينه بعد ذلك يأخذ المشرف المعلومات (المعرف والاسم وعنوان المكان للتوقيع على العقد). يعطي المشرف الموظفين العنوان لتأمينه. يقوم المشرف بعمل تحديث لملف الموظفين ويقوم بعمل جرد لملف العملاء ويقدم تقارير إلى المدير. المدير يعطي الراتب.



مشروع (1)

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م. هدير : مشرف المشروع

اسماء افراد المشروع:

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● 2017030018

القاهرة 2020