תיכון על שם אילן רמון

Crypto

פרויקט גמר
"מבוא לתכנות בסביבת האינטרנט"

שם :	טל פלדמן
ת.ז. :	328441670
כיתה :	י'2
שם המורה :	רחלי זוסימן

תוכן עניינים

מבוא

תיאור האתר

האתר עוסק במטבעות דיגיטליים(Crypto currency). הוא מספק מידע עליהם – כיצד הם עובדים, ההיסטוריה שלהם ואיזה עתיד צופן להם.

האתר ואני

בחרתי לבנות את האתר דווקא בנושא הזה כי הוא מאוד מעניין אותי ואני עוסק בו הרבה. בנוסף, אין הרבה מידע על הנושא שנגיש באופן מובן למתחילים ולכאלו שלא יודעים מה זה.
נתקלתי במספר קשיים בעיקר בהשלמת החומר כשלא הגעתי לבית הספר ותיקון של באגים ובעיות כלליות בcss.
למדתי רבות על השפה html, על השימוש בdata-base וכמובן debugging.
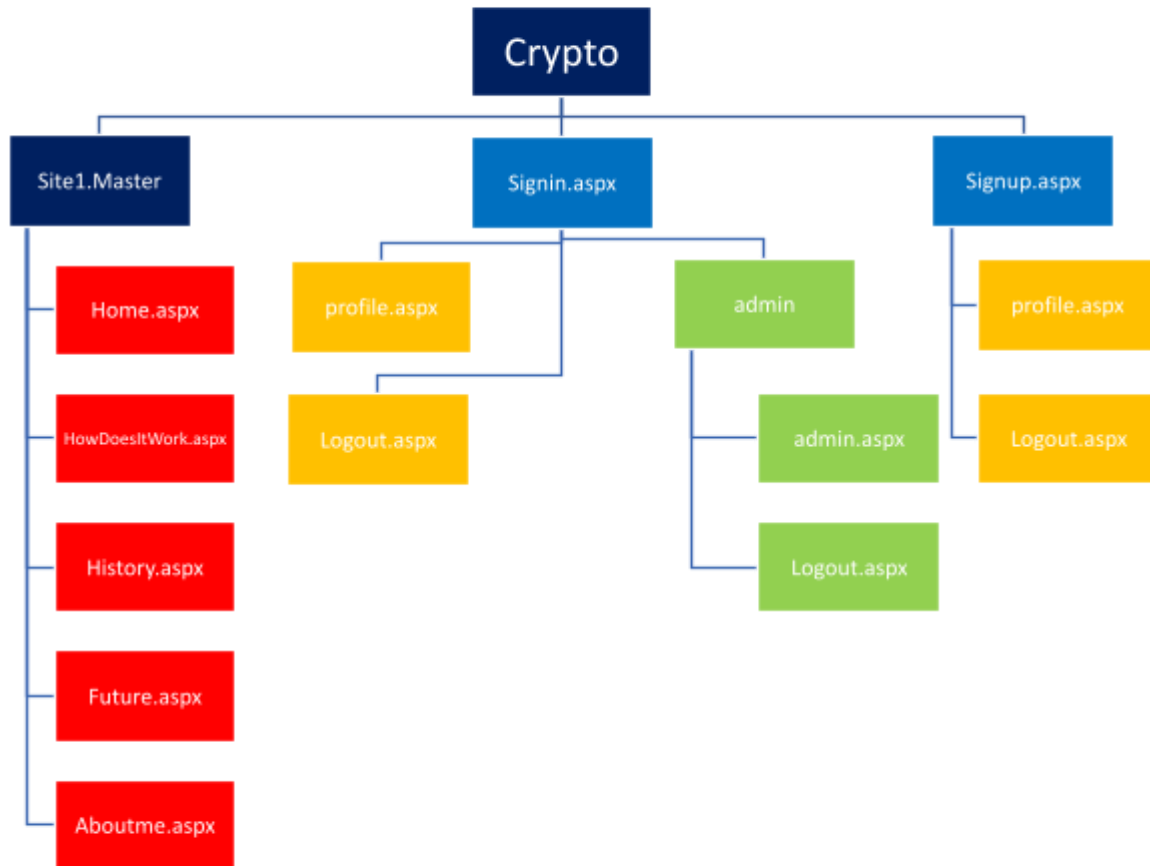
הפעלת האתר

לצורך כניסה בתור משתמש/ת (רגיל/ה) רשום/ה באתר יש למלא את הפרטים הבאים ב Login :
שם משתמש/ת: user
סיסמה: user123

לצורך כניסה בתור מנהל/ת האתר יש למלא את הפרטים הבאים ב Login :
שם משתמש/ת: admin
סיסמה: 111

מפת האתר

תרשים זרימה של דפי האתר:

כחול: גישה לכולם חוץ מלרשומים
אדום: גישה לכולם
צהוב: גישה למשתמשים רשומים שהם לא מנהל
ירוק: גישה למנהל בלבד

מבנה בסיס הנתונים

שם מסד הנתונים:
cryptodb.accdb

שם הטבלה:
Users

שדות הטבלה:

שם השדה	סוג נתונים	תיאור
Username	טקסט קצר	שם המשתמש
Password	טקסט קצר	הסיסמה
FullName	טקסט קצר	שם מלא
Gmail	טקסט קצר	מייל
FavoriteCrypto	טקסט קצר	המטבע הדיגיטלי האהוב)Bitcoin, (Etherium, Cardano or other
ReceiptOfMails	כן/לא	אישור לקבלת מיילים
YearOfBirth	מספר	שנת לידה

Username	Password	FullName	Gmail	FacvoriteCrypto	ReceiptOfMails	YearOfBirth
admin	111	Tal Feldman	tal.feldman22@gmail.com	Etherium	☐	2006
IdoFeld	ido123feld	Ido Feldman	feldman.ido@gmail.com	Etherium	☑	1976
LinaF	1234	Lina Feldman	lina.feldman@gmail.com	Bitcoin	☐	1976
NivKarasenty	nivniv06	Niv Karasenty	nivnav2006@gmail.com	Cardano	☑	2006
omerkalmi69	omer123	omerkalmi	omerkalmi252gmail.com	Other	☑	1939
user	user123	israel israeli	example@gmail.com	Bitcoin	☑	2000
Yoavadir	adiri123	Yoav Adiri	adiri.yoav@gmail.com	Bitcoin	☑	2006

<div dir="rtl">

קוד האתר

MasterPage

קוד קובץ ה-MasterPage

</div>

```aspx
1.  <%@ Master Language="C#" AutoEventWireup="true" CodeBehind="Site1.master.cs"
    Inherits="bitcointry.Site1" %>
2.
3.  <!DOCTYPE html>
4.
5.  <html>
6.  <head runat="server">
7.      <asp:ContentPlaceHolder ID="head"
    runat="server"></asp:ContentPlaceHolder>
8.      <meta name="viewport" content="width=device-width, initial-scale=1">
9.      <title>cryptocurrency</title>
10.     <style>
11.         body {
12.             margin: 0;
13.             font-family: Arial, Helvetica, sans-serif;
14.             background-color: black;
15.             background-image: url('images/Background.jpg');
16.             background-repeat: no-repeat;
17.             background-attachment: fixed;
18.             background-size: 100% 100%;
19.         }
20.         .topnav{
21.             text-align: center;
22.             margin-left:auto;
23.             margin-right:auto;
24.             overflow: hidden;
25.             background-color: black;
26.         }
27.         .topnav a {
28.             float: left;
29.             color: #f2f2f2;
30.             text-align: center;
31.             padding: 14px 16px;
32.             text-decoration: none;
33.             font-size: 17px;
34.         }
35.         .topnav a:hover{
36.             transform: scale(1.1);
37.             background-image: linear-gradient(
38.                 to bottom right,
39.                 #4affde 0%, #5b9dff 40%, #0000cc 60%, #0099ff 100%
40.             );
41.             background-size: 200% 200%;
42.             animation: movingGradiant 5s linear infinite alternate;
43.             border-radius: 10px;
44.         }
45.         @keyframes movingGradiant{
46.             from {background-position: 0 0;}
47.             to{background-position: 100% 100%;}
48.         }
```

```
49.        .topnav a:active {
50.            background-color: blue;
51.            transition: all ease-in-out 400ms;
52.        }
53.    </style>
54. </head>
55. <body>
56.     <div style="top: 400px; height:62px; background-color: #FFFFFF;
    overflow:hidden; box-sizing: border-box; border: 1px solid #56667F;
    border-radius: 4px; text-align: right; line-height:14px; block-size:38px;
    font-size: 12px; font-feature-settings: normal; text-size-adjust: 100%;
    box-shadow: inset 0 -20px 0 0 #56667F;padding:1px;padding: 0px; margin: 0px;
    width: 100%;">
57.         <div style="height:40px; padding:0px; margin:0px; width: 100%;">
58.             <iframe
    src="https://widget.coinlib.io/widget?type=horizontal_v2&theme=light&pref_co
    in_id=1505&invert_hover=" width="100%" height="36px" scrolling="auto"
    marginwidth="0" marginheight="0" frameborder="0" border="0"
    style="border:0;margin:0;padding:0;"></iframe>
59.         </div>
60.     </div>
61.     <div class="topnav">
62.         <a id="hom" style="margin-left: 20%;" href="Home.aspx">Home</a>
63.         <a id="how" href="HowDoesItWork.aspx">How it Works</a>
64.         <a id="his" href="History.aspx">History</a>
65.         <a id="fut" href="Future.aspx">Future</a>
66.         <a id="abo" href="Aboutme.aspx">About Me</a>
67.         <%if (Session["username"] != null)
68.            {%>   <a id="out" style="float:right; margin-right:20%;"
    href="Logout.aspx">Log out</a>
69.                <%if (Session["username"].ToString() == "admin")
70.                   {%><a id="adm" style="float:right;"
    href="admin.aspx">admin</a><%}
71.            }
72.             else{ %>
73.         <a id="sin" style="float:right; margin-right:20%;"
    href="Signin.aspx">Sign in</a>
74.         <a id="sup" style="float:right;" href="Signup.aspx">Sign up</a>
75.         <%} %>
76.         <%if (Session["username"] != null)
77.            {
78.                if (Session["username"].ToString() != "admin")
79.                {
80.                    %>
81.         <a id="pro" href="Profile.aspx">Profile</a>
82.         <%}
83.            }%>
84.
85.     </div>
86.     <asp:ContentPlaceHolder ID="ContentPlaceHolder1" runat="server">
87.     </asp:ContentPlaceHolder>
88.     <asp:ContentPlaceHolder ID="ContentPlaceHolder2" runat="server">
89.     </asp:ContentPlaceHolder>
90. </body>
91. </html>
```

ההיסטווריה של המטבעות הדיגיטליים

History.aspx

2016 Ethereum and ICOs

One cryptocurrency came close to stealing Bitcoin's thunder this year, as enthusiasm grew around the Ethereum platform. This platform uses cryptocurrency known as Ether to facilitate blockchain-based smart contracts and apps. Ethereum's arrival was marked by the emergence of Initial Coin Offerings (ICOs). These are fundraising platforms which offer investors the chance to trade what are often essentially stocks or shares in startup ventures, in the same manner that they can invest and trade cryptocurrencies. In the US the SEC warned investors that due to the lack of oversight ICOs could easily be scams or ponzi schemes disguised as legitimate investments. The Chinese government went one further, by banning them outright.

2017 Bitcoin reaches $10,000 and continues to grow

A gradual increase in the places where Bitcoin could be spent contributed to its continued growth in popularity, during a period where it's value remained below previous peaks. Gradually as more and more uses emerged, it became clear that more money was flowing into the Bitcoin and cryptocoin ecosystem. During this period the market cap of all cryptocoins rose from $11bn to its current height of over $300bn. Banks including Barclays, Citi Bank, Deutsche Bankand BNP Paribas have said they are investigating ways they might be able to work with Bitcoin. Meanwhile the technology behind Bitcoin – blockchain – has sparked a revolution in the fintech industry (and beyond) which is only just getting started.

2020-2021 The Cryptocurrency golden years

at March 16th 2020 Bitcoin started growing, but like no other growth we saw yet. its value was aprox. 5000 and in the next 1.5 years (and hopefully more) it skyrokketed, it has gained more than 1000% on value and surly, the whole world knows about it now. but not only bitcoin value stated climbing, also all of its comptetitors. from a market cap of 150 billion dollars to a market cap of almost 3000 billion dollars. Ethereum, the main Bitcoin comptetitor right now has grown from 110$ to 4800$ a few days ago (8/11/21) – more than 4300% growth on value. these two years were amazing for the major investors in this technolegy and also to the few lucky ones that got rich by an accident.

The lucky ones

1998 - 2009 The pre-Bitcoin years

Although Bitcoin was the first established cryptocurrency, there had been previous attempts at creating online currencies with ledgers secured by encryption. Two examples of these were B-Money and Bit Gold, which were formulated but never fully developed.

2008 Mr. Nakamoto

A paper called Bitcoin – A Peer to Peer Electronic Cash System was posted to a mailing list discussion on cryptography. It was posted by someone calling themselves Satoshi Nakamoto, whose real identity remains a mystery to this day.

2008 Bitcoin begins

The Bitcoin software is made available to the public for the first time and mining begins. It's told that Mr. Nakamoto started mining on his own laptop to start Bitcoin.

2010 Bitcoin is valued for the first time

As it had never been traded, only mined, it was impossible to assign a monetary value to the units of the emerging cryptocurrency. In 2010, someone decided to sell theirs for the first time – swapping 10,000 of them for two pizzas. If the buyer had hung onto those Bitcoins, at today's prices they would be worth more than $100 million.

2011 Rival cryptocurrencies emerge

As Bitcoin increases in popularity and the idea of decentralized and encrypted currencies catch on, the first alternative cryptocurrencies appear. These are sometimes known as altcoin and generally try to improve on the original Bitcoin design by offering greater speed, anonymity or some other advantage. Among the first to emerge were Namecoin and Litecoin. Currently there are over 1,000 cryptocurrencies in circulation with new ones frequently appearing.

2013 Bitcoin price crashes

Shortly after the price of one Bitcoin reaches $1,000 for the first time, the price quickly begins to decline. Many who invested money at this point will have suffered losses as the price plummeted to around $300 – it would be more than two years before it reached $1,000 again.

2014 Scams and theft

Perhaps unsurprisingly for a currency designed with anonymity and lack of control in mind, Bitcoin has proven to be an attractive and lucrative target for criminals. In January 2014, the world's largest Bitcoin exchange Mt.Gox went offline, and the owners of 850,000Bitcoins never saw them again. Investigations are still trying to get to the bottom of exactly what happened but whatever the story, someone dishonestly got their hands on a haul which at the time was valued at $450 million dollars. At today's prices, those missing coins would be worth $4.4 billion.

העתיד של המטבעות הדיגיטליים

Future.aspx

Do Bitcoin and Other Cryptocurrencies Have a Future?

As Bitcoin continues to elicit both enthusiastic and fearful responses, does the cryptocurrency have a future? The answer is complicated. Bitcoin will hardly topple the dollar or other major central bank-issued currencies, but its technology will change how we conduct payments, banking and other financial transactions. These changes will bring many benefits although there are significant downsides as well. Governments will have to play a key role in getting this balance right.

The Positive Side

Bitcoin's main attraction was that it would enable users to conduct financial transactions using only their digital identities, and to complete those transactions without using fiat currency issued by a national central bank or relying on a trusted intermediary such as a commercial bank or credit card provider. The technology that enables Bitcoin is safer than any bank and much more efficent, you can control your balance and make transactions with only a username and a password. another positive thing currency is used world-wide, an universal coin.

The Negative Side

for all its technological razzle dazzle, however, Bitcoin suffers from fundamental weaknesses that stand in its way of becoming a viable medium of exchange for financial transactions. Bitcoin transactions are slow and expensive, and its network cannot process large transaction volumes.
A bigger problem for an aspiring medium of exchange is unstable value. Bitcoin's wild price fluctuations, from month to month and even from day to day, make it unreliable for day-to-day transactions. In its early days, Bitcoin acquired an unsavory reputation for facilitating illicit commerce. It has been used recently by hackers who demanded ransomware payments in bitcoins but criminals have mostly moved on to other cryptocurrencies that offer stronger anonymity than Bitcoin.
Still, governments look askance at all such cryptocurrencies for fear that they can facilitate illegal activities such as money laundering, drug trafficking and terrorism financing. That is not all. Because there is no centralized authority that manages Bitcoin, transactions cannot be reversed and mistakes cannot be rectified. Bitcoin balances that are stored in digital wallets can be lost forever if users forget or misplace their passwords.

עלי
Aboutme.aspx

About Me

Hi, my name is Tal and im 15 y.o.
When I was ~6 my dad opened to me an "investing account" that was actually an Excel sheet. Every night we checked the stockes together and he updated the Excel sheet according to the profits and losses I've made.
I dont think I've understood a thing but I made around 300$ from this.
When the pandemic kicked in I started to be intersted in bulding computers, stocks and investing again.
I started by replacing my CPU fan and ram but soon after, it became a whole pc build.
Around that time a lot of Nice-hash ads were appearing on youtube - make money when you're asleep! with only your pc!....
I decided to try and mine with my pc for the first time. I left my pc working for the night and I made a whopping 5 shekels!
I convienced my dad to buy a mining rig and start mining with a lot of money invested. The first GPU arrived and I managed to burn it and the motherboard.
I delayed the project by a month - until we fixed the motherboard. then we bought 3 new GPUs and started mining for real.
We were actually making money! and a lot! It was so satisfying, making money by doing nothing. But then, when things were looking great they also started to deteriorate.
Elon mask decided to sell a lot of bitcoins and it shocked the market. its value dropped from more then 60000$ to less than 30000$.
Our profitable buisness started making less and less money and we got tired of operating the rig.
We decided to sell all of the gear in Yad2. At the end we actually made some profit, but the experience and knowledge we got was far more valuable.

דף רישום

Signup.aspx

```
1.  <%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
    AutoEventWireup="true" CodeBehind="Signup.aspx.cs"
    Inherits="bitcointry.Signup" %>
2.  <asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
3.      <style>
4.          .sign {
5.              padding-top: 40px;
6.              color: white;
7.              font-family: 'Ubuntu', sans-serif;
8.              font-weight: bold;
9.              font-size: 23px;
10.         }
11.         .main {
12.             background-color: #19334d;
13.             width: 400px;
14.             height: 700px;
15.             margin: 7em auto;
16.             border-radius: 1.5em;
17.             box-shadow: 0px 11px 35px 2px rgba(0, 0, 0, 0.14);
18.         }
19.         .text{
20.             vertical-align: middle;
21.             padding-top: 10px;
22.             color: white;
23.             font-family: 'Ubuntu', sans-serif;
24.             font-weight: bold;
25.             font-size: 15px;
26.         }
27.         .tb{
28.             width: 76%;
29.             color: rgb(38, 50, 56);
30.             font-weight: 700;
31.             font-size: 14px;
32.             letter-spacing: 1px;
33.             background: white;
34.             padding: 10px 20px;
35.             border: none;
36.             border-radius: 20px;
37.             outline: none;
38.             box-sizing: border-box;
39.             border: 2px solid rgba(0, 0, 0, 0.02);
40.             margin-bottom: 50px;
41.             text-align: center;
42.             margin-bottom: 27px;
43.             font-family: 'Ubuntu', sans-serif;
44.         }
45.         form.form1 {
46.             padding-top: 40px;
47.             align-content: center;
48.         }
49.         .un:focus, .pass:focus {
50.             border: 2px solid rgba(0, 0, 0, 0.18) !important;
51.         }
52.         .un:focus, .pass:focus {
53.             border: 2px solid rgba(0, 0, 0, 0.18) !important;
54.         }
55.         .reset{
56.             font-family: 'Ubuntu', sans-serif;
57.             font-size: 13px;
58.             color: white;
59.             background-color: #19334d;
60.             border: 0;
```

```
61.              padding-left: 0px;
62.              padding-right: 0px;
63.              padding-bottom: 0px;
64.              padding-top: 0px;
65.          }
66.        .reset:hover{
67.              color: dimgray;
68.          }
69.        .reset:active{
70.              color: blue;
71.          }
72.        .submit {
73.              cursor: pointer;
74.              border-radius: 5em;
75.              color: white;
76.              background: linear-gradient(to right, #00ffff, #0026ff);
77.              border: 0;
78.              padding-left: 40px;
79.              padding-right: 40px;
80.              padding-bottom: 10px;
81.              padding-top: 10px;
82.              font-family: 'Ubuntu', sans-serif;
83.              font-size: 13px;
84.              box-shadow: 0 0 20px 1px rgba(0, 0, 0, 0.04);
85.          }
86.        a {
87.              text-shadow: 0px 0px 3px rgba(117, 117, 117, 0.12);
88.              color: #E1BEE7;
89.              text-decoration: none
90.          }
91.
92.        @media (max-width: 600px) {
93.            .main {
94.                border-radius: 0px;
95.            }
96.          }
97.    </style>
98. </asp:Content>
99. <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    runat="server">
100.       <div class="main">
101.           <h1 class="sign" align="center">Sign Up</h1>
102.           <form name="signup" class="form1" method="post">
103.               <div align="center">
104.                   <input class="tb" align="center" type="text"
    name="Username" placeholder="Username"><br />
105.                   <input class="tb" type="password" name="Password"
    placeholder="Password"><br />
106.                   <input class="tb" type="text" name="fullname"
    placeholder="Full name"><br />
107.                   <input class="tb" type="text" name="mail"
    placeholder="Email">
108.                   <h3 class="text">Your favorite crypto</h3>
109.                   <input type="radio" id="btc" name="favCrypto"
    value="Bitcoin">
110.                       <label for="btc" class="text">Bitcoin</label>
111.                       <input type="radio" id="eth" name="favCrypto"
    value="Etherium">
112.                       <label for="eth" class="text">Etherium</label>
113.                       <input type="radio" id="sol" name="favCrypto"
    value="Solana">
114.                       <label for="sol" class="text">Solana</label>
```

```
115.                              <input type="radio" id="other" name="favCrypto"
      value="Other">
116.                              <label for="ada" class="text">Other</label>
117.                     <br /><br />
118.                     <select class="tb" name="year" placeholder="Year of
      birth"><%for(int i = 2020; i > 1920; i--){ %>
119.                                                           <option
      value = <%=i%>><% =i %></option>
120.                                                     <%} %>
121.                     </select>
122.                     <div style="display: flex; align-items: center;
      margin-left: 20px;">
123.                         <input type="checkbox" style="vertical-align:middle;"
      name="allowmail" value="Allow">
124.                         <h3 class="text" style="margin-left:5px;">I confirm
      receipt of emails</h3><br />
125.                     </div>
126.                     <button class="submit" action="func" name="Signup"
      align="center">Sign up</button>
127.                     <input class="reset" type="reset" value="Reset">
128.                 </div>
129.             </form>
130.             <br /><br />
131.
132.         </div>
133.
134.     </asp:Content>
135.     <asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder2"
      runat="server">
136.     </asp:Content>
```

Signup.aspx.cs

```
1.  using System;
2.  using System.Collections.Generic;
3.  using System.Linq;
4.  using System.Web;
5.  using System.Web.UI;
6.  using System.Web.UI.WebControls;
7.
8.  namespace bitcointry
9.  {
10.     public partial class Signup : System.Web.UI.Page
11.     {
12.         public string message;
13.         protected void Page_Load(object sender, EventArgs e)
14.         {
15.             if (Request["Signup"] != null)
16.             {
17.                 string username = Request["Username"];
18.                 string sqlCheck = "SELECT * FROM Users WHERE Username='" + username +
    "'";
19.                 if (MyAdoHelper.IsExist("cryptodb.accdb", sqlCheck))
20.                 {
21.                     message = "username already exists in the db";
22.                     Response.Write("<script>alert('" + message + "');</script>");
23.                 }
24.                 else
25.                 {
26.                     username = Request["Username"];
27.                     string password = Request["Password"];
28.                     string fullname = Request["fullname"];
29.                     string mail = Request["mail"];
30.                     string favCrypto = Request["favCrypto"];
31.                     string stryear = Request["year"];
32.                     int year = int.Parse(stryear);
```

```
33.                    bool allowmail = false;
34.                    if (Request["allowmail"] != null)
35.                    {
36.                        if (Request["allowmail"].Equals("Allow"))
37.                        {
38.                            allowmail = true;
39.                        }
40.                        else
41.                        {
42.                            allowmail = false;
43.                        }
44.                    }
45.                    else
46.                    {
47.                        allowmail = false;
48.                    }
49.                    string sqlInsert = "INSERT INTO Users VALUES('" + username + "','" +
    password + "','" + fullname + "','"
50.                        + mail + "','" + favCrypto + "'," + allowmail + "," + year + ")";
51.                    Session["username"] = username;
52.                    MyAdoHelper.DoQuery("cryptodb.accdb", sqlInsert);
53.                    Response.Redirect("Home.aspx");
54.                }
55.            }
56.        }
57.    }
58. }
```
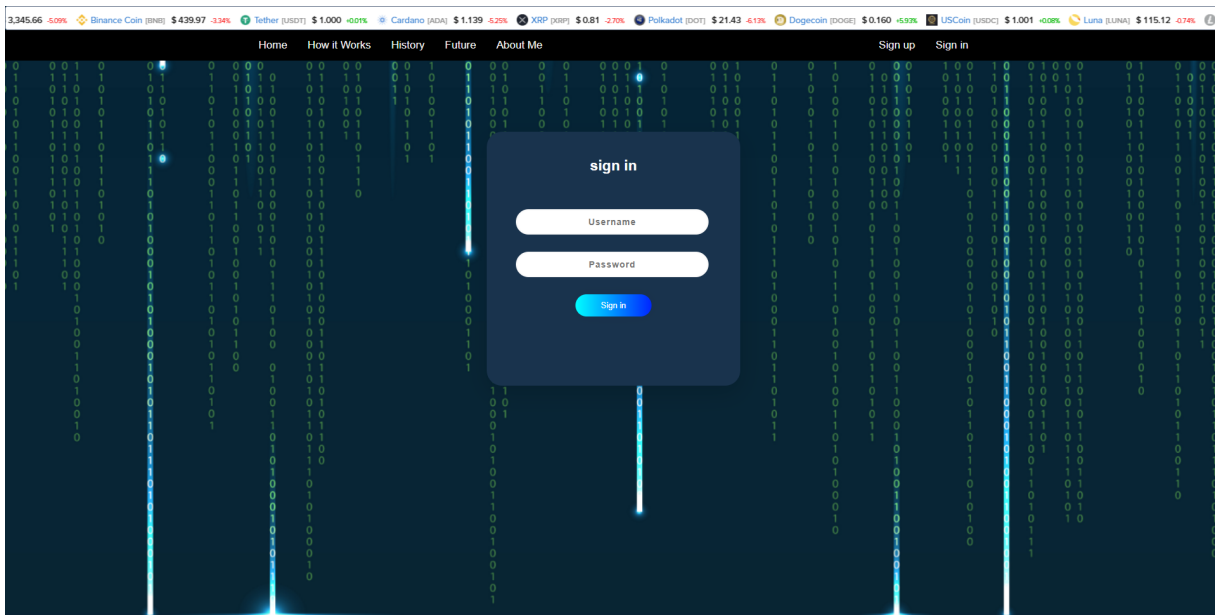
דף התחברות

Signin.aspx

```
1. <%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
   AutoEventWireup="true" CodeBehind="Signin.aspx.cs"
   Inherits="bitcointry.Signinaspx" %>
2. <asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
3.     <style>
4.         .main {
5.         background-color: #19334d;
6.         width: 400px;
7.         height: 400px;
8.         margin: 7em auto;
9.         border-radius: 1.5em;
10.        box-shadow: 0px 11px 35px 2px rgba(0, 0, 0, 0.14);
11.        }
12.
```

```css
13.         .sign {
14.             padding-top: 40px;
15.             color: white;
16.             font-family: 'Ubuntu', sans-serif;
17.             font-weight: bold;
18.             font-size: 23px;
19.         }
20.
21.         .tb {
22.         width: 76%;
23.         color: rgb(38, 50, 56);
24.         font-weight: 700;
25.         font-size: 14px;
26.         letter-spacing: 1px;
27.         background: white;
28.         padding: 10px 20px;
29.         border: none;
30.         border-radius: 20px;
31.         outline: none;
32.         box-sizing: border-box;
33.         border: 2px solid rgba(0, 0, 0, 0.02);
34.         margin-bottom: 50px;
35.         margin-left: 46px;
36.         text-align: center;
37.         margin-bottom: 27px;
38.         font-family: 'Ubuntu', sans-serif;
39.         }
40.
41.         form.form1 {
42.             padding-top: 40px;
43.         }
44.         .un:focus, .pass:focus {
45.             border: 2px solid rgba(0, 0, 0, 0.18) !important;
46.
47.         }
48.
49.         .submit {
50.           cursor: pointer;
51.             border-radius: 5em;
52.             color: white;
53.             background: linear-gradient(to right, #00ffff, #0026ff);
54.             border: 0;
55.             padding-left: 40px;
56.             padding-right: 40px;
57.             padding-bottom: 10px;
58.             padding-top: 10px;
59.             font-family: 'Ubuntu', sans-serif;
60.             margin-left: 35%;
61.             font-size: 13px;
62.             box-shadow: 0 0 20px 1px rgba(0, 0, 0, 0.04);
63.         }
64.         a {
65.             text-shadow: 0px 0px 3px rgba(117, 117, 117, 0.12);
66.             color: #E1BEE7;
67.             text-decoration: none
68.         }
69.
70.         @media (max-width: 600px) {
71.             .main {
72.                 border-radius: 0px;
73.             }
74.         }
```

```
75.      </style>
76. </asp:Content>
77. <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    runat="server">
78.      <div class="main">
79.          <h1 class="sign" align="center">sign in</h1>
80.          <form class="form1" method="post">
81.              <input class="tb" name="username" type="text" align="center"
    placeholder="Username">
82.              <input class="tb" name="password" type="password" align="center"
    placeholder="Password">
83.              <button class="submit" action="func" name="Sign in"
    align="center">Sign in</button>
84.          </form>
85.      </div>
86. </asp:Content>
87. <asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder2"
    runat="server">
88. </asp:Content>
```

Signin.aspx.cs

```csharp
1.   using System;
2.   using System.Collections.Generic;
3.   using System.Linq;
4.   using System.Web;
5.   using System.Web.UI;
6.   using System.Web.UI.WebControls;
7.
8.   namespace bitcointry
9.   {
10.      public partial class Signinaspx : System.Web.UI.Page
11.      {
12.          public string username;
13.          public string password;
14.
15.          protected void Page_Load(object sender, EventArgs e)
16.          {
17.              if(Request["Sign in"] != null)
18.              {
19.                  username = Request["username"];
20.                  password = Request["password"];
21.
22.                  if (username == "admin")
23.                  {
24.                      string sqlcheckpass = "SELECT * FROM Users WHERE Username='" +
    username + "' AND password= '" + password + "'";
25.                      if (MyAdoHelper.IsExist("cryptodb.accdb", sqlcheckpass))
26.                      {
27.                          Session["username"] = "admin";
28.                          Response.Redirect("admin.aspx");
29.                      }
30.                      else
31.                      {
32.                          string sReturn = "incorrect password";
33.                          Response.Write("<script>alert('" + sReturn + "');</script>");
34.                      }
35.                  }
36.                  else
37.                  {
38.                      string sqlLogin = "SELECT * FROM Users WHERE Username='" + username +
    "' AND password= '" + password + "'";
39.                      if(MyAdoHelper.IsExist("cryptodb.accdb", sqlLogin))
40.                      {
41.                          Session["username"] = username;
42.                          Response.Redirect("Home.aspx");
43.                      }
44.                      else
```
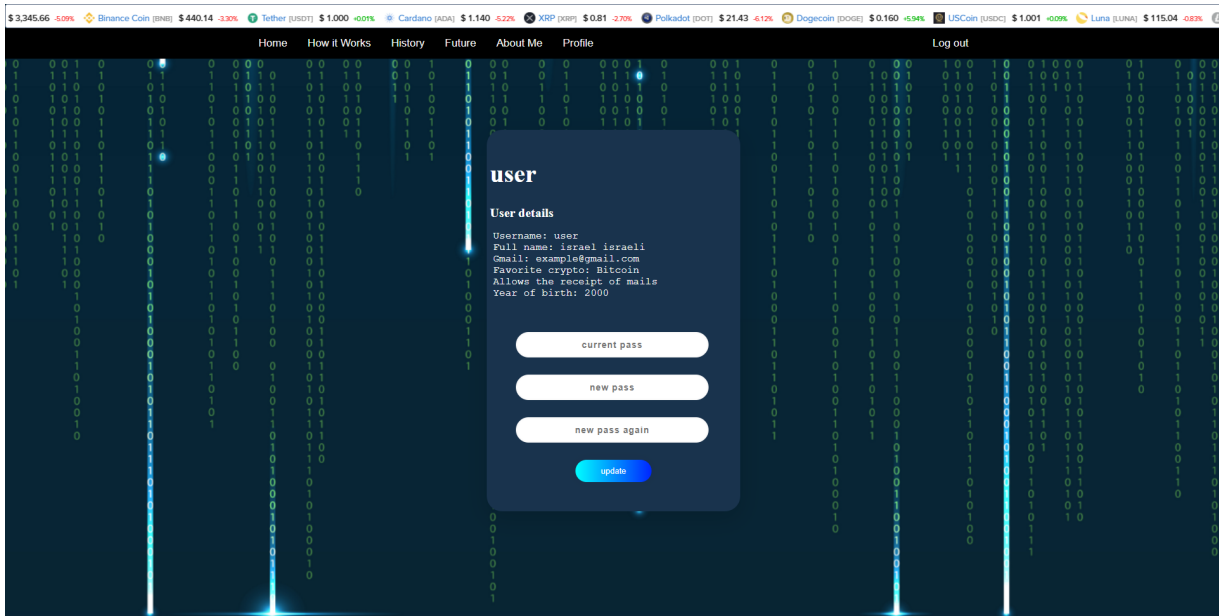
```
45.                    {
46.                        string message = "log in failed, inccorct username or password";
47.                        Response.Write("<script>alert('" + message + "');</script>");
48.                    }
49.                }
50.            }
51.        }
52.    }
53. }
```

דף פרופיל אישי

profile.aspx

```
1.  <%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
    AutoEventWireup="true" CodeBehind="profile.aspx.cs"
    Inherits="bitcointry.pages.profile" %>
2.  <asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
3.      <style>
4.          .header{
5.              padding-left: 5px;
6.              font-family: Monaco;
7.              font-size: 40px;
8.              color: white;
9.          }
10.         .text{
11.             padding-left: 10px;
12.             font-family: 'Courier New', monospace;
13.             color: white;
14.         }
15.         .main {
16.             background-color: #19334d;
17.             width: 400px;
18.             height: 600px;
19.             margin: 7em auto;
20.             border-radius: 1.5em;
21.             box-shadow: 0px 11px 35px 2px rgba(0, 0, 0, 0.14);
22.         }
23.         .tb {
24.             width: 76%;
25.             color: rgb(38, 50, 56);
26.             font-weight: 700;
```

```
27.            font-size: 14px;
28.            letter-spacing: 1px;
29.            background: white;
30.            padding: 10px 20px;
31.            border: none;
32.            border-radius: 20px;
33.            outline: none;
34.            box-sizing: border-box;
35.            border: 2px solid rgba(0, 0, 0, 0.02);
36.            margin-bottom: 50px;
37.            margin-left: 46px;
38.            text-align: center;
39.            margin-bottom: 27px;
40.            font-family: 'Ubuntu', sans-serif;
41.        }
42.        .submit {
43.            cursor: pointer;
44.            border-radius: 5em;
45.            color: white;
46.            background: linear-gradient(to right, #00ffff, #0026ff);
47.            border: 0;
48.            padding-left: 40px;
49.            padding-right: 40px;
50.            padding-bottom: 10px;
51.            padding-top: 10px;
52.            font-family: 'Ubuntu', sans-serif;
53.            margin-left: 35%;
54.            font-size: 13px;
55.            box-shadow: 0 0 20px 1px rgba(0, 0, 0, 0.04);
56.        }
57.    </style>
58. </asp:Content>
59. <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    runat="server">
60.    <div class="main">
61.        <br />
62.        <h1 class="header"><%=username%></h1>
63.        <h1 class="header" style="font-size:20px;">User details</h1>
64.        <p class ="text">
65.            Username: <%=username %><br />
66.            Full name: <%=fname %><br />
67.            Gmail: <%=gmail %><br />
68.            Favorite crypto: <%=favcrypto %><br />
69.            <%=receiptmail %><br />
70.            Year of birth: <%=year%>
71.        </p>
72.        <form method="post">
73.            <br /><br />
74.            <input class="tb" type="password" name="pass"
    placeholder="current pass"/><br />
75.            <input class="tb" type="password" name="newpass"
    placeholder="new pass" /><br />
76.            <input class="tb" type="password" name="newpass2"
    placeholder="new pass again"/><br />
77.            <input class="submit" type="submit" name="updatepass"
    value="update" /><br />
78.        </form>
79.
80.    </div>
81.
82.
83. </asp:Content>
```

```
84. <asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder2"
    runat="server">
85. </asp:Content>
```

profile.aspx.cs

```
1.  using System;
2.  using System.Collections.Generic;
3.  using System.Linq;
4.  using System.Web;
5.  using System.Web.UI;
6.  using System.Web.UI.WebControls;
7.  using System.Data;
8.
9.  namespace bitcointry.pages
10. {
11.     public partial class profile : System.Web.UI.Page
12.     {
13.         public string username, pass, msg = "", fname, gmail, favcrypto,
    receiptmail, year ;
14.         protected void Page_Load(object sender, EventArgs e)
15.         {
16.             if(Session["username"] == null)
17.             {
18.                 Response.Redirect("Signin.aspx");
19.             }
20.             else if(Session["username"].ToString() == "admin")
21.             {
22.                 Response.Redirect("Home.aspx");
23.             }
24.
25.             string sqldetails = "SELECT * FROM Users WHERE username= '" +
    Session["username"].ToString() + "' ";
26.             DataTable dt = MyAdoHelper.ExecuteDataTable("cryptodb.accdb",
    sqldetails);
27.             username = dt.Rows[0]["Username"].ToString();
28.             fname = dt.Rows[0]["FullName"].ToString();
29.             gmail = dt.Rows[0]["Gmail"].ToString();
30.             pass = dt.Rows[0]["Password"].ToString();
31.             favcrypto = dt.Rows[0]["FacvoriteCrypto"].ToString();
32.             if (dt.Rows[0]["ReceiptOfMails"].ToString() == "True")
33.             {
34.                 receiptmail = "Allows the receipt of mails";
35.             }
36.             else
37.             {
38.                 receiptmail = "Doesn't allow the receipt of mails";
39.             }
40.             year = dt.Rows[0]["YearOfBirth"].ToString();
41.
42.             if (Request["updatepass"]!= null)
43.             {
44.
45.                 string Sqlcheck = "SELECT Password FROM Users WHERE
    Username= '" + username + "' AND Password= '" + Request["pass"].ToString() +
    "' ";
46.                 if (!MyAdoHelper.IsExist("cryptodb.accdb", Sqlcheck))
47.                 {
48.                     msg = "incorrect pass";
```

```
49.                    Response.Write("<script>alert('" + msg +
    "');</script>");
50.                }
51.            else
52.            {
53.                string newpass = Request["newpass"].ToString();
54.                string newpass2 = Request["newpass2"].ToString();
55.                if (newpass == pass)
56.                {
57.                    msg = "new password and old password are identical";
58.                }
59.                else if (newpass!=newpass2)
60.                {
61.                    msg = "passwords arent identical";
62.                }
63.                else
64.                {
65.                    string sqlreplace = "UPDATE Users SET [Password] =
    '" + newpass + "' WHERE Username = '" + username + "' ";
66.                    MyAdoHelper.DoQuery("cryptodb.accdb", sqlreplace);
67.                    msg = "Great success!";
68.                }
69.                Response.Write("<script>alert('" + msg +
    "');</script>");
70.            }
71.        }
72.
73.        }
74.    }
75. }
76.
```

ניהול האתר
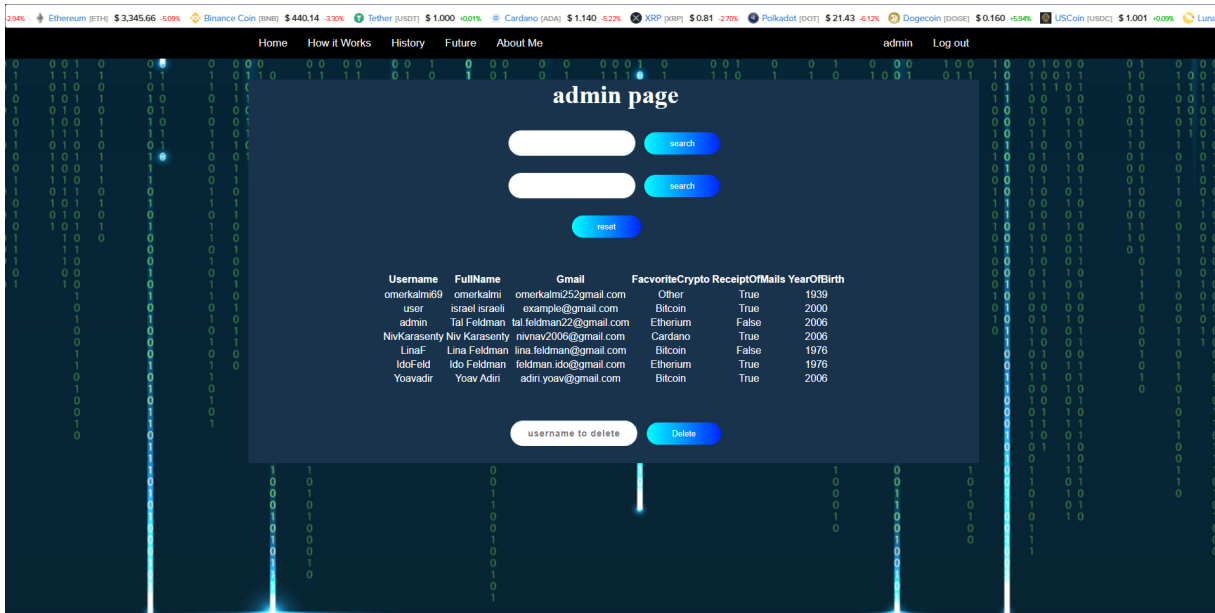
admin.aspx

```
1. <%@ Page Title="" Language="C#" MasterPageFile="~/Site1.Master"
   AutoEventWireup="true" CodeBehind="admin.aspx.cs"
   Inherits="bitcointry.pages.admin" %>
2. <asp:Content ID="Content1" ContentPlaceHolderID="head" runat="server">
3.     <style>
```

```css
4.          .header{
5.              padding-left: 5px;
6.              font-family: Monaco;
7.              font-size: 40px;
8.              color: white;
9.          }
10.         .smallheader{
11.             padding-left: 5px;
12.             font-family: Calibri;
13.             font-size: 20px;
14.             color: white;
15.             text-decoration: underline;
16.         }
17.         .text{
18.             padding-left: 10px;
19.             font-family: 'Courier New', monospace;
20.             color: white;
21.         }
22.         .center{
23.             width: 60%;
24.             height:100%;
25.             background-color:  #19334d;
26.             margin-left: 20%;
27.             margin-right: 20%;
28.             margin-top: 3px;
29.         }
30.         .button{
31.             background-color: black;
32.             color: white;
33.             outline: 1px solid black;
34.         }
35.         .tb {
36.             width: 76%;
37.             color: rgb(38, 50, 56);
38.             font-weight: 700;
39.             font-size: 14px;
40.             letter-spacing: 1px;
41.             background: white;
42.             padding: 10px 20px;
43.             border: none;
44.             border-radius: 20px;
45.             outline: none;
46.             width: 200px;
47.             box-sizing: border-box;
48.             border: 2px solid rgba(0, 0, 0, 0.02);
49.             margin-bottom: 50px;
50.             margin-left: 10px;
51.             text-align: center;
52.             margin-bottom: 27px;
53.             font-family: 'Ubuntu', sans-serif;
54.         }
55.         .submit {
56.             cursor: pointer;
57.             border-radius: 5em;
58.             color: white;
59.             background: linear-gradient(to right, #00ffff, #0026ff);
60.             border: 0;
61.             padding-left: 40px;
62.             padding-right: 40px;
63.             padding-bottom: 10px;
64.             padding-top: 10px;
65.             font-family: 'Ubuntu', sans-serif;
```

```
66.              margin-left: 10px;
67.              font-size: 13px;
68.              box-shadow: 0 0 20px 1px rgba(0, 0, 0, 0.04);
69.          }
70.          .table{
71.              color: white;
72.              text-align: center;
73.
74.
75.          }
76.      </style>
77. </asp:Content>
78. <asp:Content ID="Content2" ContentPlaceHolderID="ContentPlaceHolder1"
    runat="server">
79.      <div class="center">
80.          <aside>
81.              <h1 class="header" style="text-align:center" >admin page</h1>
82.              <form method="post" style="margin-left:400px">
83.                  <input class="tb" type="text" placeholder="username to
    search" name="user2serach"/>
84.                  <input class="submit" type="submit" name="search"
    value="search"/>
85.              </form>
86.              <form method="post" style="margin-left:400px">
87.                  <input class="tb" type ="text" placeholder="fullname to
    search" name="Fullname"/>
88.                  <input class="submit" type="submit" name="search1"
    value="search"/>
89.              </form>
90.              <form method="post" style="margin-left:500px">
91.                  <input class="submit" type="submit" name="reset"
    value="reset"/>
92.              </form>
93.              <br /><br /><br />
94.              <%=usersTDB %>
95.              <br /><br /><br />
96.              <form method="post" style="margin-left:35%">
97.                  <input class="tb" type="text" name="user2delete"
    placeholder="username to delete" />
98.                  <input class="submit" type="submit" name="deleteBtn"
    value="Delete" />
99.              </form>
100.
101.          </aside>
102.      </div>
103. </asp:Content>
104. <asp:Content ID="Content3" ContentPlaceHolderID="ContentPlaceHolder2"
    runat="server">
105. </asp:Content>
```

admin.aspx.cs

```
1.  using System;
2.  using System.Collections.Generic;
3.  using System.Linq;
4.  using System.Web;
5.  using System.Web.UI;
6.  using System.Web.UI.WebControls;
7.  using System.Data;
8.
9.
10. namespace bitcointry.pages
```

```
11. {
12.     public partial class admin : System.Web.UI.Page
13.     {
14.         public string message, usersTDB;
15.         protected void Page_Load(object sender, EventArgs e)
16.         {
17.
18.
19.             if (Session["username"] != null)
20.             {
21.                 if (Session["username"].ToString() != "admin")
22.                 {
23.                     Response.Redirect("Home.aspx");
24.                 }
25.             }
26.             else
27.             {
28.                 Response.Redirect("Home.aspx");
29.             }
30.
31.             string sqlusers = "SELECT * FROM Users";
32.             if (Request["search"] != null)
33.             {
34.                 if(Request["user2serach"] != "")
35.                 {
36.                     sqlusers = "SELECT * FROM Users WHERE Username= '" +
    Request["user2serach"] + "' ";
37.                 }
38.             }
39.             if (Request["search1"] != null)
40.             {
41.                 if (Request["Fullname"] != "")
42.                 {
43.                     sqlusers = "SELECT * FROM Users WHERE FullName= '" +
    Request["Fullname"] + "' ";
44.                 }
45.             }
46.             if (Request["reset"] != null)
47.             {
48.                 sqlusers = "SELECT * FROM Users";
49.             }
50.             DataTable users = MyAdoHelper.ExecuteDataTable("cryptodb.accdb", sqlusers);
51.             if (users.Rows.Count == 0)
52.             {
53.                 usersTDB = "<p class=\"table\" align=center> No users found <p>";
54.             }
55.             else
56.             {
57.                 usersTDB += "<table class=\"table\" align=center>";
58.                 usersTDB +=
    "<tr><th>Username</th><th>FullName</th><th>Gmail</th><th>FacvoriteCrypto</th><th>ReceiptO
    fMails</th><th>YearOfBirth</th><tr>";
59.                 for (int i = 0; i < users.Rows.Count; i++)
60.                 {
61.                     usersTDB += "<tr> <td>" + users.Rows[i]["Username"] + "</td>";
62.                     usersTDB += "<td>" + users.Rows[i]["FullName"] + "</td>";
63.                     usersTDB += "<td>" + users.Rows[i]["Gmail"] + "</td>";
64.                     usersTDB += "<td>" + users.Rows[i]["FacvoriteCrypto"] + "</td>";
65.                     usersTDB += "<td>" + users.Rows[i]["ReceiptOfMails"] + "</td>";
66.                     usersTDB += "<td>" + users.Rows[i]["YearOfBirth"] + "</td></tr>";
67.                 }
68.                 usersTDB += "</table>";
69.             }
70.
71.             if (Request["deleteBtn"] != null)
72.             {
73.                 string user2delete = Request["user2delete"];
74.                 string sqlDelete = "DELETE FROM Users WHERE Username='" + user2delete +
    "'";
75.                 MyAdoHelper.DoQuery("cryptodb.accdb", sqlDelete);
76.
77.                 string sqlCheck = "SELECT * FROM Users WHERE Username= '" + user2delete +
    "' ";
```

```
78.              if(MyAdoHelper.IsExist("cryptodb.accdb", sqlCheck))
79.              {
80.                  message = "was not successful, please try again ):";
81.              }
82.              else message = "Username succesfully deleted!";
83.              Response.Write("<script>alert('" + message + "');</script>");
84.              Response.Redirect("admin.aspx");
85.          }
86.
87.      }
88.  }
89. }
```

התנתקות

התנקות היא אינה דף אלא כפות בTool-bar.

Logout.aspx.cs

```
1.  using System;
2.  using System.Collections.Generic;
3.  using System.Linq;
4.  using System.Web;
5.  using System.Web.UI;
6.  using System.Web.UI.WebControls;
7.
8.  namespace bitcointry
9.
10. {
11.     public partial class Logout : System.Web.UI.Page
12.     {
13.         protected void Page_Load(object sender, EventArgs e)
14.         {
15.             Session.Abandon();
16.             Response.Redirect("Home.aspx");
17.         }
18.     }
19. }
```