## FITLIFE

# translation done by google translate

Each of the mathematical operations we have done below is not a simulation, but has been studied with precise results consisting of completely accurate and global data given by the subject experts who were interviewed.

```
//sabit değişkenler
int E = 1;
double K = 0.95;
double D1 = 0.25;
int D2 = 24;
double h_cal;
double g_cal;
double g_kilo;
double i_a;
static double ana_ogun;
static double ara_ogun;
```

```
double bki = 0;
double b = int.Parse(txt_boy.Text);
int k = int.Parse(txt_kilo.Text);
int y = int.Parse(txt_yas.Text);
b = (b * b) / 10000;
bki = k / b;
```

In the image here, the variable bki defined in double format is the variable that will hold the height mass index value and is defined as 0. The age and weight values belonging to the user are converted to integer values from the textbox, and the defined k and y variables are converted to integer format and the height is defined to the variable b. In order to

calculate the height mass index, the square of the height should be taken, but in meters. Since the user entered his height in centimeters in our project, b=(b\*b)/10000 was applied to take the square of the height and multiply it in meters.

Example: In the height mass index formula, the height should be 1.92m \* 1.92m, but the value entered by the user in the project is 192cm \* 192cm.

As a result of the final values determined by the formula bki=k/b, we will have determined the height mass index (bki) of the user.

```
if (bki > 18.5 && bki < 24.9)
    if (ddl_cins.SelectedItem.Text = "Erkek")
        h_cal = k * E * D2:
        if (ddl_adimlar.SelectedIndex == 1)
            g_cal = h_cal * 1.3;
        else if (ddl_adimlar.SelectedIndex == 2)
            g_{cal} = h_{cal} * 1.6;
        else if (ddl_adimlar.SelectedIndex == 3)
            g_{cal} = h_{cal} * 1.7;
        else if (ddl_adimlar.SelectedIndex == 4)
            g_cal = h_cal * 2.1;
        else if (ddl_adimlar.SelectedIndex == 5)
            g_{cal} = h_{cal} * 2.4;
            lbl_adimBos.Text = "Lütfen Günlük Adımınızı Seçiniz";
    else if (ddl_cins.SelectedItem.Text = "Kadın")
        h_{cal} = k * K * D2;
        if (ddl_adimlar.SelectedIndex == 1)
            g_{cal} = h_{cal} * 1.3;
        else if (ddl_adimlar.SelectedIndex == 2)
            g_{cal} = h_{cal} * 1.5;
        else if (ddl_adimlar.SelectedIndex == 3)
            g_{cal} = h_{cal} * 1.6;
        else if (ddl_adimlar.SelectedIndex == 4)
            g_cal = h_cal * 1.9;
        else if (ddl_adimlar.SelectedIndex == 5)
            g_{cal} = h_{cal} * 2.2;
            lbl_adimBos.Text = "Lütfen Günlük Adımınızı Seçiniz";
```

As a result of the data entered by the user, as above, firstly, it is checked

whether it is greater than 18.5 and less than 24.9. If the user's result is between these levels, their values are normal, meaning they are neither underweight nor overweight (obese, obese1st level, etc.). The second control situation is gender control because the result of this control is h\_cal = no movement calorie, E = basal metabolic rate of men, K = basal metabolic rate of women, which is within the constant values defined above. After the 2nd control state, the user's inactive calorie is calculated and the 3rd control state is passed. In the third control situation, certain rates or numbers are given according to the number of steps taken by the user and the amount of steps determined. According to the step taken by the user, the number of sedentary calories (h\_cal) and the number of the steps taken are multiplied to find the daily calorie (g\_cal) that should be taken.

Example: If the user is male, the sedentary calorie of this user is h\_cal = current weight \* E = basal metabolic rate of men \* D2 (because there is 24 hours in a day).

In the process given above, the user should be fed 3 main meals and 3 snacks daily.

Example: the user should be fed with 3 main meals as morning, noon and evening. The calories of these 3 main meals are 69-70% of the daily calorie intake. The calorie of each main meal is divided by 3 and determined as 23%, as seen in the above process. This user should also be fed with a snack after each meal. Since these snacks will be after each main meal, they are 3 meals. The calorie of these snacks is 30% of the daily calorie intake, and since it will be taken after each main meal, it is determined as 10% by dividing it by 3.

```
else if (bki < 18.5 || bki > 24.9)
    if (ddl_cins.SelectedItem.Text = "Erkek")
        if (y >= 19 && y <= 24)
            i_a = 21 * b;
        else if (y >= 25 && y <= 34)
        i_a = 22 * b;
else if (y >= 35 && y <= 44)
        i_a = 23 * b;
else if (y >= 45 && y <= 54)
        i_a = 24 * b;
else if (y >= 55 && y <= 65)
        i_a = 25 * b;
else if (y >= 65)
            i_a = 26 * b;
        g_{kilo} = ((k - i_a) * D1) + i_a;
        h_cal = g_kilo * E * 24;
        if (ddl_adimlar.SelectedIndex == 1)
            g_cal = h_cal * 1.3;
        else if (ddl_adimlar.SelectedIndex = 2)
            g_{cal} = h_{cal} * 1.6;
        else if (ddl_adimlar.SelectedIndex == 3)
            g_cal = h_cal * 1.7;
        else if (ddl_adimlar.SelectedIndex == 4)
            g_{cal} = h_{cal} * 2.1;
        else if (ddl_adimlar.SelectedIndex == 5)
            g_cal = h_cal * 2.4;
        97.59
             lbl_adimBos.Text = "Lütfen Günlük Adımınızı Seçiniz";
```

Another situation is if the user's bki result is less than 18.5 or greater than 24.9;

The 1st control state starts. If the user is male, the 2nd control state starts. In this case, the age of the user is checked. The ideal weight (i\_a) is found with the standard numbers determined depending on the age range. When calculating the user's required weight (g\_kilo) (k(height weight)-ideal weight(i\_a)\*D1(a factor used in the formula when finding the ideal outer weight)) and the user's inactive calorie (h\_cal) are found again. After these processes are done, the daily calorie (g\_cal) is found again.

```
else if (ddl_cins.SelectedItem.Text == "Kadın")
     if (y >= 19 && y <= 24)
         i_a = 21 * b;
    else if (y >= 25 && y <= 34)
i_a = 22 * b;
else if (y >= 35 && y <= 44)
          i_a = 23 * b;
     else if (y >= 45 && y <= 54)
    i_a = 24 * b;
else if (y >= 55 && y <= 65)
    i_a = 25 * b;
else if (y >= 65)
         i_a = 26 * b;
    g_{kilo} = ((k - i_a) * D1) + i_a;
    h_cal = g_kilo * K * 24;
    if (ddl_adimlar.SelectedIndex = 1)
    g_cal = h_cal * 1.3;
else if (ddl_adimlar.SelectedIndex == 2)
    g_cal = h_cal * 1.5;
else if (ddl_adimlar.SelectedIndex == 3)
         g_{cal} = h_{cal} * 1.6;
    else if (ddl_adimlar.SelectedIndex == 4)
    g_cal = h_cal * 1.9;
else if (ddl_adimlar.SelectedIndex == 5)
         g_cal = h_cal * 2.2;
          lbl_adimBos.Text = "Lütfen Günlük Adımınızı Seçiniz";
ana_ogun = (g_cal * 0.69) / 3;
ara_ogun = (g_cal * 0.30) / 3;
```

Another situation is if the user's bki result is less than 18.5 or greater than 24.9;

The 1st control state starts. If the user is female, the 3rd control state starts. In this case, the age of the user is checked. The ideal weight (i\_a) is found with the standard numbers determined depending on the age range. When calculating the user's required weight (g\_kilo), (k (his current weight)-ideal weight (i\_a) \*D1 (a factor used in the formula when finding the ideal outer weight)) and the user's inactive calorie (h\_cal) are found again. After these processes are done, the daily calorie (g\_cal) is found again.

The following actions have been taken to prevent the user from encountering an error, defect or undesirable event within the site, in situations that we can define as bugs.

```
if (ddl_cins.SelectedIndex == 0)
    lbl_bosCins.Visible = true;
lbl_bosCins.Text = "Lütfen Cinsiyetinizi Seçiniz";
    lbl_bosCins Visible = false;
if (txt_yas.Text == "")
    lbl_yasBos.Visible = true;
    lbl_yasBos.Text = "Lütfen Yaşınızı Yazınız";
lbl_yasBos.Visible = false;
if (txt_kilo.Text == "")
    lbl_kiloBos.Visible = true;
lbl_kiloBos.Text = "Lütfen Kilonuzu Yazınız";
    lbl_kiloBos.Visible = false;
if (txt_boy.Text = "")
    lbl_boyBos.Visible = true;
    lbl_boyBos.Text = "Lütfen Boyunuzu Yazınız";
    lbl_boyBos.Visible = false;
if (ddl_adimlar.SelectedIndex == 0)
    lbl_adimBos.Visible = true;
    lbl_adimBos.Text = "Lütfen Günde Attığınız Adım Sayısını Seçiniz";
else
    lbl_adimBos.Visible = false;
```

In the image above, we control the fields where the data we want from the user should be entered. If the fields are left blank, and if they do not select anything on the option selection screen, that is, on the dropdownlist screen, warning messages will be given as follows. If the user fills in the fields and presses the button again, the warning messages will be closed according to the field.

Cinsiyet:	Seçiniz V Lütfen Cinsiyetinizi Seçiniz			
Yaş:		Lütfen Yaşınızı Yazınız		
Boy:		Lütfen Boyunuzu Yazınız		
Kilo:		Lütfen Kilonuzu Yazınız		
Günde Kaç Adım Atıyorsunuz	Seçiniz V Lütfer	n Günde Attığınız Adım Sayısını Seçiniz		
	Diyet Oluştur			

```
if(ddl_cins.SelectedIndex!=0 && txt_boy.Text!="" && txt_kilo.Text!="" && txt_yas.Text!="" && ddl_adimlar.SelectedInd
{
    btnPrint.Visible = true;
    gvAksamAra.Visible = true;
    lblAksamAra.Visible = true;
    gvAksam.Visible = true;
    lblAksam.Visible = true;
    gvAraOgle.Visible = true;
    gvAraOgle.Visible = true;
    gvOgle.Visible = true;
    lblOgle.Visible = true;
    lblOgle.Visible = true;
    lblAraSabah.Visible = true;
    lblAraSabah.Visible = true;
    lbl_almasiGerekenler.Visible = true;
    btn_AraSabahDegis.Visible = true;
    btn_AraSogleOegis.Visible = true;
    btn_AksamDegis.Visible = true;
    btn_AksamAraDegis.Visible = true;
}
```

The codes given in the image above will check the user's information after all the information is entered and open the screens hidden below. As mentioned in previous reports, these screens have their visible properties false, ie turned off.

After selecting any of the options given in the dropdownlist, the text on the image on the above page is designed to be red.

In the image given above, if the user's bki is in normal values, an information message is given since he or she is at the ideal weight and the calorie should be taken daily (g\_cal), but if the values are below normal or high, the calories that should be taken daily (g\_cal) and the weight that should be (g\_cal) are written. In the continuation of this article, there is a warning message that should be done before and after using this diet, as seen in the image below.

Günlük Almanız Gereken kalori: 2496. İdeal Kilonuz: Olduğunuz kilo ideal kilodur. Formunuzu korumanız için aşağıdaki diyeti kullann veterlidir

Uyarı: Eğer kilo almanızı ve kilo kaybetmenize sebep olan bir hastalığınız var ise bu diyeti uygulamadan önce doktorunuza danışınız. verilen diyet listesi 2 haftalık olup, 2.haftanın sonunda güncel verilerinizi tekrar girerek sağlıklı bir diyet listesi oluşturabilirsiniz

Günlük Almanız Gereken kalori: 2038,80066. İdeal Kilonuz: 65,346175.

Uyarı: Eğer kilo almanızı ve kilo kaybetmenize sebep olan bir hastalığınız var ise bu diyeti uygulamadan önce doktorunuza danışınız. verilen diyet listesi 2 haftalık olup, 2.haftanın sonunda güncel verilerinizi tekrar girerek sağlıklı bir diyet listesi oluşturabilirsiniz

If the diets used in the project are not liked by the user, the option to change the distance is as follows.

```
ected void btn_SabahDegis_Click(object sender, EventArgs e)
   using (veritabani ent = new veritabani())
        var toplamKalori = ent.SABAH_LISTESI.Sum(x6 => x6.KALORI_MIKTARI);
        var verigetir = ent.SABAH_LISTESI.Where(x6 => x6.KALORI_MIKTARI <= ana_ogun)
                                           .OrderBy(x6 => Guid.NewGuid())
                                          .ToList();
        while (toplamKalori > ana_ogun && verigetir.Count > θ)
            var sonEleman = verigetir.Last();
toplamMalori -= sonEleman.KALORI_MIKTARI;
            verigetir.Remove(sonEleman);
        gvSabah.DataSource = verigetir;
       gvSabah DataBind();
protected void btn_AraSabahDegis_Click(object sender, EventArgs e)
   using (veritabani ent = new veritabani())
        var toplamKaloriAra = ent.ARA_OGUNLER.Sum(x1 => x1.KALORI_MIKTARI);
       var verigetirAra = ent.ARA_OGUNLER.Where(x1 => x1.KALORI_MIKTARI <= ara_ogun)
                                          .OrderBy(x1 => Guid.NewGuid())
                                          .ToList();
       while (toplamKaloriAra > ara_ogun && verigetirAra.Count > θ)
            var sonElemanAra = verigetirAra.Last();
           toplamKaloriAra -= sonElemanAra KALORI_MIKTARI;
            verigetirAra.Remove(sonElemanAra);
        gvAraSabah.DataSource = verigetirAra;
        gvAraSabah DataBind();
```

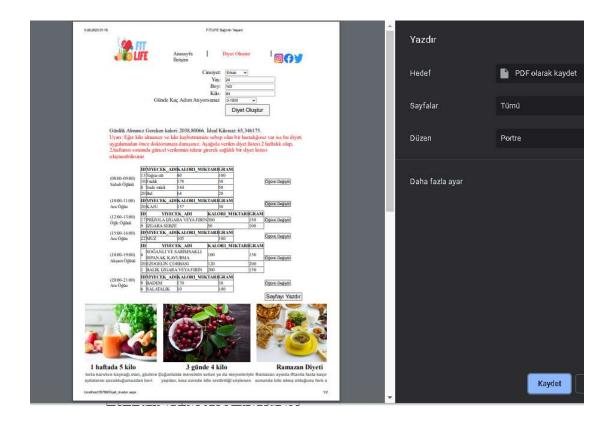
The codes used here are the same as the meal fetching codes. As the main\_ogun and ara\_ogun variables are defined as static, and the results of the process in the Create diet button are defined to main\_ogun and ara\_ogun, those results should be reached again in this field and the same process should be done again. For the user to save the given list, the "Print page" button has been put and the code is as follows.

```
O references
protected void btnPrint_Click(object sender, EventArgs e)
{
    ClientScript.RegisterStartupScript(GetType(), "Print", "window.print();",
}
```

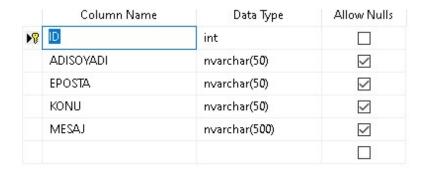
This piece of code automatically initiates the printing process in the user's browser after the page is loaded. If the user does not have a printer, it provides the possibility to import .pdf of the page.

## Son Görünüm

•	* *	_		_	_	-	•	
	IDYIYECEK_ADI	KALORI_MIK	TARIGRAM					
(08:00-09:00) Sabah Öğünü	13 Yağsız süt	40	100					
	10 Findik	178	30				Öğünü Değiştir	
	8 Sade müsli	144	50					
	20 Bal 64		20					
(10:00-11:00) Ara Öğün	IDYIYECEK_ADIKALORI_MIKTARIGRAM						Öğünü Doğistir	
(10:00-11:00) Ara Ogun	20 KAJU	157	30				Öğünü Değiştir	
	ID YIYECI	EK_ADI	KALORI_MIKT	IARIGRAM				
(12:00-13:00) Öğle Öğünü	17 PRÍZOLA IZGA	RA VEYA FIRIN	300	150			Öğünü Değiştir	
	9 IZGARA SEBZE		50	100				
(15:00-16:00) Ara Očiin	ID YIYECEK_ADI	KALORI_MIK	TARIGRAM				Öğünü Değiştir	
	22 MUZ	105	100				Ogana Degiştir	
	ID	YIYECEK_Al	DI	KALORI_	MIKTARI	GRAM		
(18:00-19:00) Akşam Öğünü	6 SOĞANLI VE SARIMSAKLI ISPANAK KAVURMA		MA 100		150	Öğünü Değiştir		
	20 EZOGELİN ÇORBASI		120		200	Ogana Degiştil		
	1 BALIK IZGARA	IK IZGARA VEYA FIRIN 200 150						
	IDYIYECEK_ADIKALORI_MIKTARIGRAM							
(20:00-21:00) Ara Öğün	9 BADEM	170	30				Öğünü Değiştir	
	6 SALATALIK	10	100					
							Sayfayı Yazdır	



In the project, with the smtp server on the contact page, the user could send e-mail to the e-mail address we determined automatically, but the smtp server used was given free of charge over the first use trial period, and it was noticed that mail could not be sent during the last checks because this period expired, so the contact page was redesigned and processed in the reports.





In order to send the information to be filled by the user to the database, a table called MESSAGES LIST has been created in the database.

After clicking the Submit button, first of all, the fields where the user information is entered will be checked and if it is empty, the label hidden in the page will give a warning to fill in the empty ones. After filling in all the fields, the codes given above connect to the database and transfer and save the information entered in the MESSAGES\_LISTI table. After the user sends the message, the message back to the user is indicated on the

label as above.

Due to the problem we have experienced in this report, a control panel page has been created so that administrators can see these messages.

#### kontrol\_paneli.aspx

The codes given above are the codes written for the control panel. In this code, when the administrator logs in to this page, there is an avatar image and textboxes under which the user name and password can be entered. By using the placeholder feature in these textboxes, it is directed where the administrator will enter the information to be entered. If the information entered by the user is incorrect, a warning message will be given under the login button.

	Column Name	Data Type	Allow Nulls
<b>▶</b> 8	ID	int	
	KULLANICIADI	nvarchar(50)	$\overline{\mathbf{Z}}$
	SIFRE	nvarchar(50)	
	YETKILIMI	bit	$\checkmark$

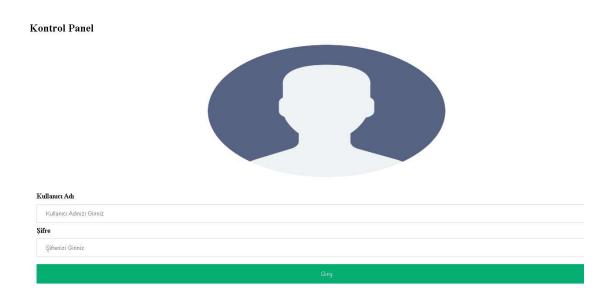


A USER LIST table has been created in the database for certain administrators who can log in to the control panel.

In the control panel page, after the administrator enters his own information and presses the login button, the above query works by connecting to the database. This query takes the user name and password fields in the USER\_LISTI table, compares the value entered in the textboxes, and pulls this data as a list. If this data is checked and the

incoming data matches, 1 person will be returned, and if the result of this query is counted with the count tag, if it is greater than 0, the entered data has been found in the query and that person is the administrator and will lead to the messages page. If not, the above message will be given with the label under the submit button.

## kontrol\_paneli.aspx Sayfa Görünümü



#### mesajlar.aspx

This is the page that the administrator will come to after entering the correct data and logging in. The master page is used on this page. Gridview has been added to the page. The information sent by the user in the contact form to this gridview will be pulled from the database and added to it.

```
protected void Page_Load(object sender, EventArgs e)
   veri_getir();
private void mesaj_sil(int id)
    using (veritabani ent = new veritabani())
       var sil = (from s in ent.MESAJLAR_LISTESI where s.ID == id select s).FirstOrDefault():
        ent.MESAJLAR_LISTESI.Remove(sil);
        ent.SaveChanges();
private void veri_getir()
    using (veritabani ent = new veritabani())
        var mesajlar = (from i in ent.MESAJLAR_LISTESI select i).ToList();
        gv_mesajlar.DataSource = mesajlar;
       gv_mesajlar.DataBind();
protected void gv_mesajlar_RowCommand(object sender, GridViewCommandEventArgs e)
    int index = Convert.ToInt32(e.CommandArgument);
   int id = int.Parse(gv_mesajlar.Rows[index].Cells[1].Text);
   if (e.CommandName == "sil")
       mesaj_sil(id);
       veri_getir();
```

Delete button has been added to Gridview. Two methods have been written above. The message\_delete method takes the id as a parameter and connects to the database and finds and retrieves the id in the table with the id of the parameter entered in MESSAGES\_LIST. This retrieved id is deleted and saved in the table. The other method is connecting to the database, fetching all the data of the same table and adding it to the gridview. The data fetch method works after the page is loaded and the delete button is pressed. In Gridview's row command, firstly, the index of the row is taken. Then, for the id parameter, we take the 1st cell of the line determined in the gridview and assign the id from the database to the id parameter, and if the administrator presses the delete button in the control command, the administrator gives the received id as a parameter in the method and deletes that message from the database.

#### mesajlar.aspx Sayfa Görünümü



Anasayfa

Diyet Oluştur

İletişim







1 haftada 5 kilo

Tam bir beta karoten kaynağı olan, gözlere olan faydalarını çocukluğumuzdan beri pek sık duyduğumuz bu yüzden de bol bol yememiz gerektiğini o zamanlardan bu yana bildiğimiz havuç, bu kez farklı bir ...



3 günde 4 kilo

Çoğunlukla mevsimin sebze ya da meyveleriyle yapılan, kısa sürede kilo verdirdiği söylenen şok diyetlerden kiraz diyetini tanıyoruz bugün. Kiraz diyeti nasıl yapılır, örnek kiraz diyeti listesinde neler bulunur... Devamm Oku



Ramazan Diyeti

Ramazan ayında iftarda fazla kaçırıp 1 ayır sonunda kilo almış olduğunu fark edenlerir sayısı hiç de az değil. Ancak ramazanda oruç tutarken formda ve sağlıklı kalmak, hatta zayıflamak bile mümkün. O yüzden... Devarının Oku

Fit Life Nedir?

Hızlı Bağlantılar

In order to ensure that our users who come in this way lead a healthy life, we will continue to provide them with health-related services. We will continue to provide solutions suitable for the needs of our users, to help them become conscious about health and to motivate them. We will continue to provide you with the latest health information and follow current trends. We will continue to work with you for a healthy future...