T.C.

MANİSA CELAL BAYAR ÜNİVERSİTESİ

MÜHENDİSLİK FAKÜLTESİ

BİLGİSAYAR MÜHENDİSLİĞİ BÖLÜMÜ

Büşra's Cafe

.Net Web Programming Project
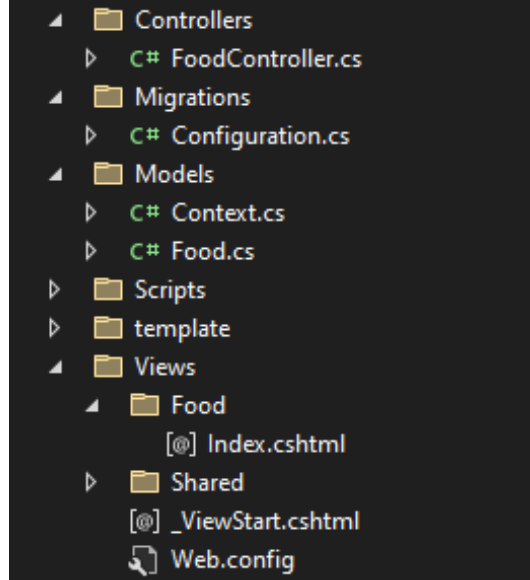
HAZIRLAYANLAR

190316015 ve Büşra Kuzubaş

MANİSA 2023

İÇİNDEKİLER

Büşra's Cafe

1.1 Introduction

I would like to provide you with a detailed report regarding the project I have completed using the Wave Cafe template in ASP.NET MVC, as per your instructions. Here are the steps I followed and the modifications I made:

1.2 Template Selection:

I carefully selected the Wave Cafe template as it aligned with the requirements and aesthetics of the project. The template provides a modern and visually appealing user interface, which suited the overall theme of the web application.

Template download link: https://www.free-css.com/free-css-templates/page290/wave-cafe
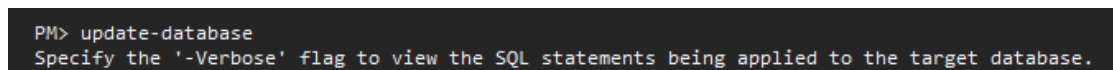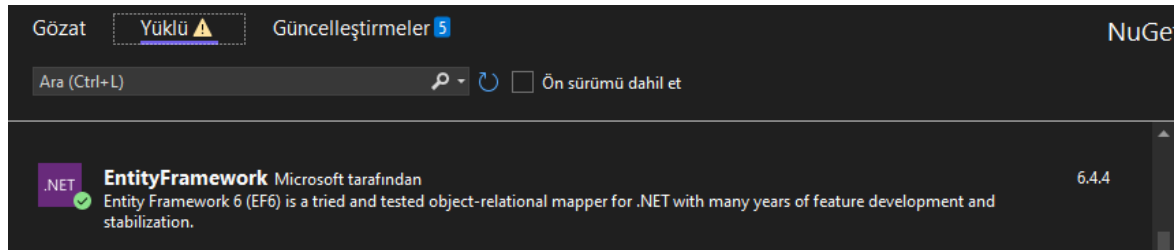
1.3 Entity Framework Installation:

Inside the project, I opened the NuGet Package Manager.

I selected the NuGet Packet Manager Console and added the Entity Framework package to the project.

In the Package Manager Console, I ran the following command:

Install-Package EntityFramework

2.1 Controller and View Modifications:

I deleted the HomeController as it was not needed for the Wave Cafe template.

In the Solution Explorer, I right-clicked on the "Controllers" folder and selected "Add" > "Controller".

I chose the "MVC 5 Controller with views, using Entity Framework" option to create the FoodController.

I created a new folder named "Food" under the "Views" folder.

Under the "Food" folder, I created the "Index.cshtml" file.

2.2 Integration of Wave Cafe Template:

I downloaded the Wave Cafe template and added it to the project folder, specifically to the path "~/templates/".

In the Index.cshtml file, I utilized the appropriate sections of the template located at "~/templates/" to display the Food data.

Wave Cafe

- Drink Menu
- About Us
- Special Items
- Contact

- Iced Coffee
- Hot Coffee
- Fruit Juice

Image

Iced Americano$10.25

Here is a short description for the first item. Wave Cafe Template is provided by Tooplate.

Image

Iced Cappuccino$12.50

Here is a list of 4 items or add more. You can use this template for commercial purposes.

Image

Iced Espresso$14.25

You are not permitted to redistribute this template ZIP file on any other template websites.

Image

Iced Latte$11.50

Contents are organized into 3 tabs. Please contact Tooplate if you have anything to ask.

Image

Hot Americano$8.50

Here is a short description for the item along with a squared thumbnail.

Image

Hot Cappuccino$9.50

Here is a list of 4 items that can add more as you need. Only content area will be scrolling.

Image

I added **~/template/** to all paths, as in this example.

```
<img src="~/template/img/about-
```

3.1 Database Connection and Model Creation:

I edited the "Web.config" file to establish the database connection and added the necessary connection string.

Using Entity Framework, I created the Food model.

I created the "Food.cs" class under the Models folder and added the required properties (FoodExplanation, FoodPrice, FoodName, Food_Locatiob,FoodId).

```
using System;
using System.Collections.Generic;
using System.Data.Entity;
using System.Linq;
using System.Web;

namespace WebApplicationProject_190316015.Models
{
    2 başvuru
    public class Context:DbContext
    {
        0 başvuru
        public DbSet<Food> Foods { get; set; }
    }
}
```

```
public class Food
{
    0 başvuru
    public int FoodId { get; set; }
    1 başvuru
    public string Food_Name { get; set; }
    1 başvuru
    public string Food_Location { get; set; }

    1 başvuru
    public string FoodExplanation { get; set; }
    1 başvuru
    public int FoodPrice { get; set; }
}
```

I threw all the images into the image folder, which is located inside the template folder, Food_Location reported the file name of the corresponding Food in cloumn.

4.1 Viewing Tables And Data Entry:

I viewed the tables within the database.

I confirmed the existence of a table named "Food".

I entered the appropriate values for the columns.

FoodId	FoodExpla...	FoodPrice	Food_Name	Food_Locat...
4	Grapefruit&...	5	Vodka Sour	Grapefruit ...
5	With water...	7	Margarita	KarpuzluMa...
6	İnclude Mez...	7	Sunset Cock...	Mezcal,Mel...
7		7	Mojito	BestMojitoR...

I created the food table to store cockteail information.

5.1 Updated Drink Menu:

I added the following code snippet to the drink menu section in the template's Index.cshtml file:

```html
<li>
    <a href="#" class="tm-tab-link" data-id="cocktail">Cocktail</a>
</li>
```

This created a new category, "Cocktail," within the drink menu.

5.2 Data Retrieval and Display:

I implemented the Index action in the FoodController.

Within this action, I used Entity Framework to retrieve the Food data from the database.

In the Index.cshtml file, I displayed this data using a loop.

```html
<!-- bu kısım benim eklediğim kokteyl kısmıdır -->
<div id="cocktail" class="tm-tab-content">
    <div class="tm-list">
        @foreach(var item in Model) {
        <div class="tm-list-item">
            <img src="~/template/img/@item.Food_Location" alt="Image" class="tm-list-item-img">
            <div class="tm-black-bg tm-list-item-text">
                <h3 class="tm-list-item-name">@item.Food_Name<span class="tm-list-item-price">@item.FoodPrice $</span></h3>
                <p class="tm-list-item-description">@item.FoodExplanation</p>
            </div>
        </div>
        }
    </div>
</div>

<!-- end Drink Menu Page -->
```
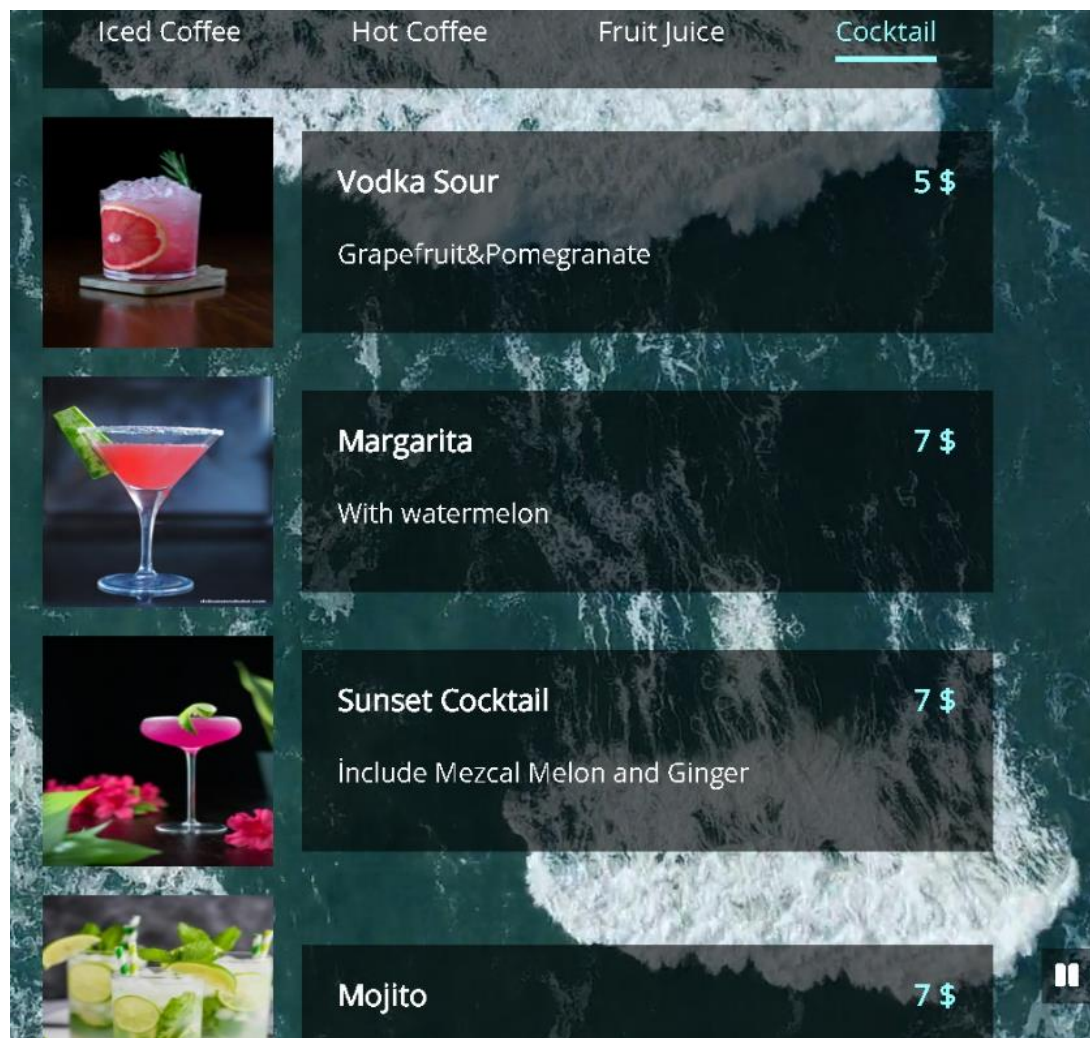
5.3 Testing and Verification:

I ensured that the database entries for the "Cocktail" category were synchronized with the menu displayed on the web application.

I compiled and ran the project.

I opened the Index action of the FoodController in the browser and verified that the Food data retrieved from the database was displayed correctly.

5.3.1 Pre-test data and output

5.3.2 Test Scenario: Verify if modifying "FoodPrice" in the database updates Büşra's Cafe web application.
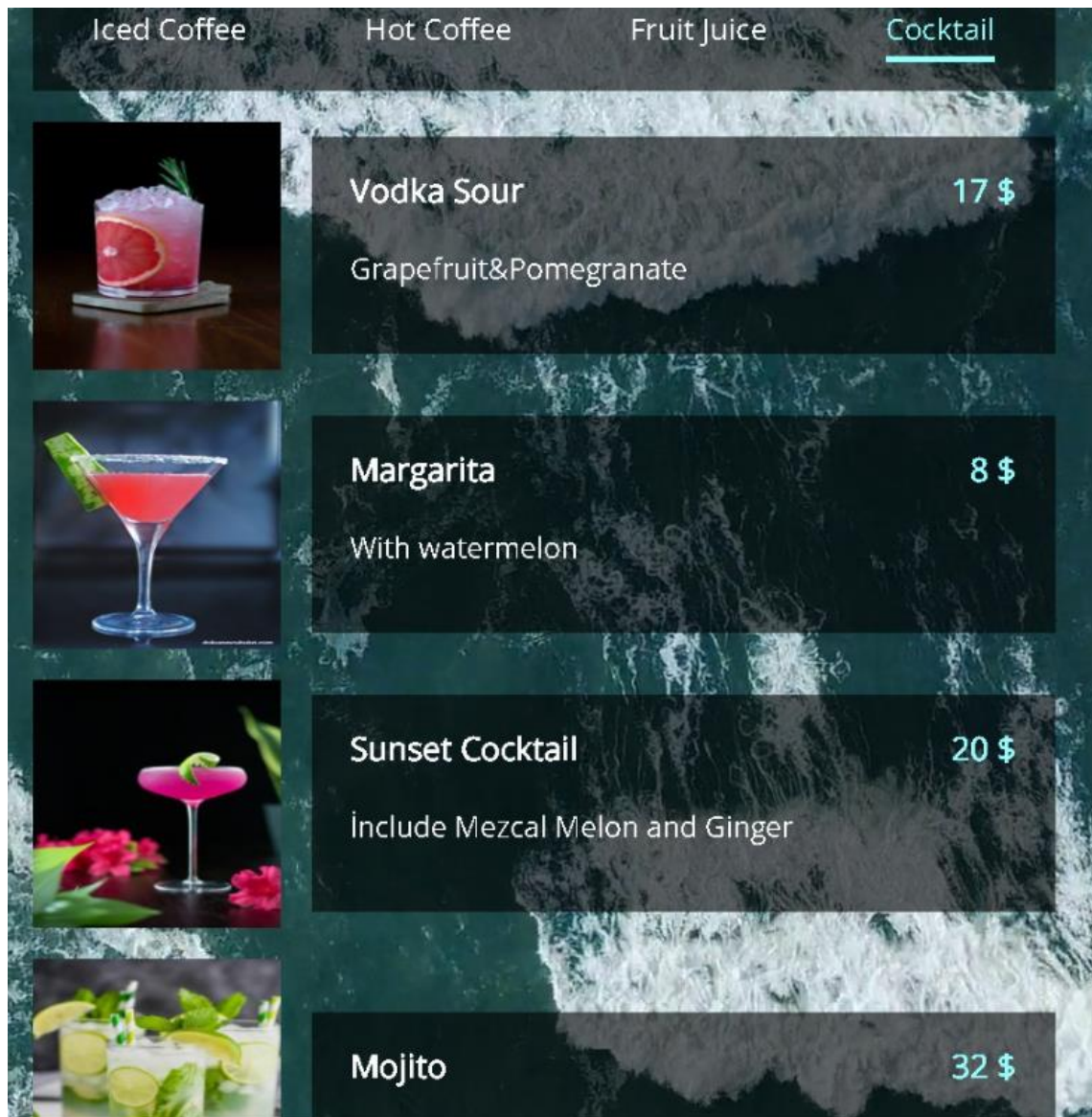
Identify a specific food item and modify its "FoodPrice" value.

FoodId	FoodExpla...	FoodPrice	Food_Name	Food_Locat...
4	Grapefruit&...	17	Vodka Sour	Grapefruit ...
5	With water...	8	Margarita	KarpuzluMa...
6	İnclude Mez...	20	Sunset Cock...	Mezcal,Mel...
7		32	Mojito	BestMojitoR...

Open Büşra's Cafe web application in a web browser.

Navigate to the relevant section displaying the food items and their prices.

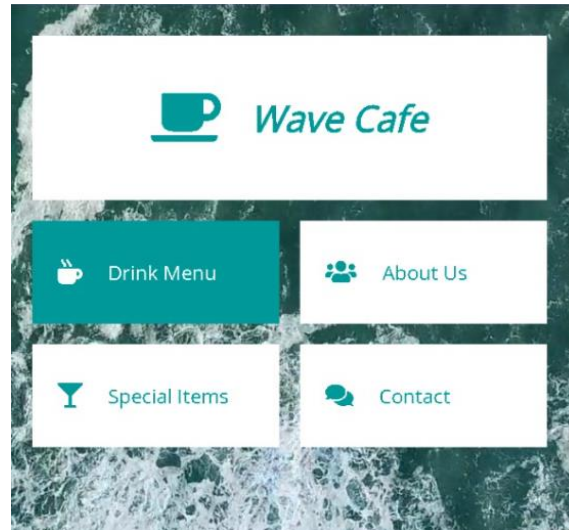Locate the food item whose price was modified in the database.
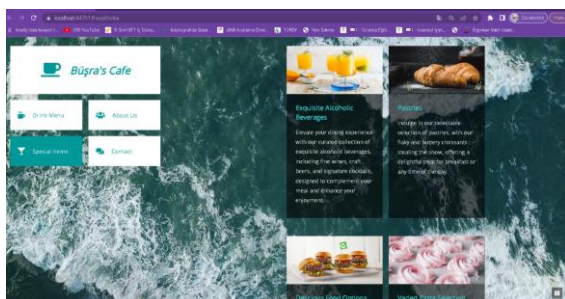
6.1 Test Conclusion:

The purpose of this test was to determine if modifying the "FoodPrice" in the database would update the corresponding prices in Büşra's Cafe web application.

Test is successful, it confirms that changes made to the "FoodPrice" in the database are accurately reflected in Büşra's Cafe web application. The application successfully retrieves and displays the updated prices.
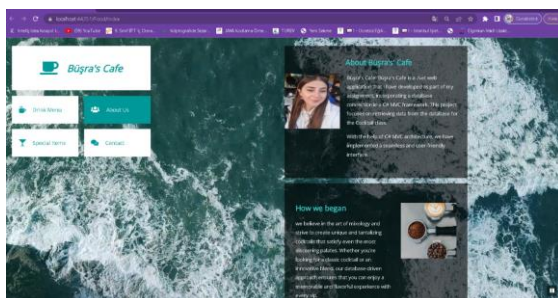
6.2 Another Pages:

Special Items Page:

The page displays a list of special items along with their features.

About Us Page:

Visual elements and descriptions are used to convey the company's values, mission, and services.