# Lab: ASP.NET Overview

## About Page

Create an MVC application with **About page**.

### Create New Project

Let’s create a new project. Open Visual Studio and click on [File] -> [New] -> [Project]:

Graphical user interface, application

Description automatically generated

Next, search for ASP.Net Core Application and choose the one shown below:

Картина, която съдържа текст

Описанието е генерирано автоматично

If you don’t have it in the selection, click [Open Visual Studio Installer] and install the “ASP.NET and web development” component:

Graphical user interface, text, application

Description automatically generated

Next, choose the MVC template. After that, make sure to change **authentication type** to “**No authentication**”:

Картина, която съдържа текст

Описанието е генерирано автоматично

At this point, we should have the project created and in front of us.

### Run the Project

Let’s run it with [Ctrl+F5] and see what we have:

Graphical user interface, text, application, email

Description automatically generated

### Update Layout View

Now it’s time to go into the “Views/Shared/\_Layout.cshtml” file and **edit** it a bit. For starters, let’s **update the header link**, which usually says “**WebApplication**” to something nicer:

|  |
| --- |
| Graphical user interface, text  Description automatically generated |
|  |
| Text  Description automatically generated |

### Add an Action

Let’s go to Controllers -> HomeController.cs and add a new About action the following way:

Logo, company name

Description automatically generated

### Add a View

Now we need an About view for our controller, which will be our About.cshtml file.

Let’s go to Views -> Home -> Add -> View:

Graphical user interface, application

Description automatically generated

Choose [Razor View] and name it “About”.

Logo, company name

Description automatically generated

Картина, която съдържа текст

Описанието е генерирано автоматично

Our About.cshtml file is now created.

Graphical user interface, application, chat or text message

Description automatically generated

**Modify** the view the following way:

Graphical user interface, text

Description automatically generated

### Change the Page Layout

Go to Views -> Shared -> \_Layout.cshtml and add a new <li> tag in the navigation as shown below:

A picture containing graphical user interface

Description automatically generated

### Run the Project

Press [Ctrl+F5]. Let’s see what we’ve got:

Graphical user interface, text, application

Description automatically generated

## Print the Numbers 1…50

Create an MVC application, which **prints** the numbers from **1** to **50** inside a view.

### Add an Action

Let’s go to Controllers -> HomeController.cs again and add a new Numbers action like this:

A picture containing text

Description automatically generated

### Add a View

Now we need a Numbers view for our controller, which will be our Numbers.cshtml file.

Let’s go to Views -> Home -> Add -> View and create a **Razor View** with name “**Numbers**” like we already did with the About view.

Graphical user interface, text, application, email

Description automatically generated Graphical user interface, application

Description automatically generated

**Modify** the view the following way:

Text

Description automatically generated

### Change the Page Layout

Go to Views -> Shared -> \_Layout.cshtml and add a new <li> tag in the navigation as shown below:

A picture containing table

Description automatically generated

### Run the Project

Press [Ctrl+F5]. Let’s see what we’ve got:

Graphical user interface, text, application

Description automatically generated

## Print the Numbers 1…N

Create an MVC application, which **prints** the numbers from **1** to **N** inside a view. We will modify the previous task.

### Modify the Action

Let’s go to Controllers -> HomeController.cs and modify the Numbers action from the previous task like this:

Text

Description automatically generated with medium confidence

### Modify the View

**Modify** the Numbers view the following way:

Graphical user interface, text, application, chat or text message

Description automatically generated

### Change the Page Layout

Go to Views -> Shared -> \_Layout.cshtml and change the name of the <a> tag so that it corresponds to our current task:

A picture containing diagram

Description automatically generated

### Run the Project

Press [Ctrl+F5]. Let’s see what we’ve got:

Graphical user interface, text, application, email

Description automatically generated

## List Files

Create an action Files to show the folders and files in C:\.

### Add an Action

Let’s go to Controllers -> HomeController.cs again and add a new Files action like this:

Text

Description automatically generated

### Add a View

Create a view with name “**Files**” and modify Files.cshtml file like this:

Text

Description automatically generated

### Change the Page Layout

Go to Views -> Shared -> \_Layout.cshtml and add a new <li> tag in the navigation.

Text

Description automatically generated with medium confidence

### Run the Project

Press [Ctrl+F5]. The result should be something like this:

Graphical user interface, text, application, email

Description automatically generated