

Desenvolvimento de Software para Internet

Aula 04 - Prática

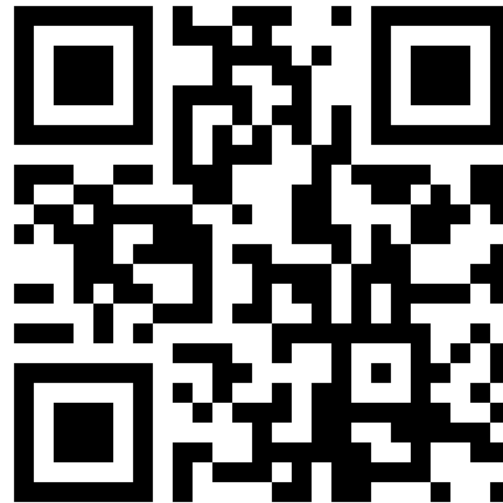
Prof^a. Aparecida F. C. Rosa

Prof^a. Cida

E-mail: aparecida.rosa@docente.unip.br

- Link para baixar o material de apoio das aulas de DSWI

<http://tiny.cc/7d1nsz>



- Código fonte disponível no github

<https://github.com/cidacastello/DSWIASPNet>



- Baixar o arquivo Atividade_Portfolio_DSWI.pdf
- disponível no Google Drive, na pasta AtividadePortfolio


10 exercícios (mínimo)

Atenção na justificativa

Visual Studio 2019

Open recent

Today


 **Formularios.sln** 09/09/2020 09:06
C:\Cida\ProgramasASP_Net_2019\UNIP\Aula_20200909\Formularios


Yesterday

 **ASPNet_DB.sln** 08/09/2020 16:14
C:\Cida\ProgramasASP_Net_2019\ASPNet_DB

 **Aula04_Formulario.sln** 08/09/2020 15:22
C:\Cida\ProjetosGitHub\DSWI-ASP-Net\DSWIASPNet\Aula04\Aula04_Formulario

This week

 **SalesWebMvc.sln** 06/09/2020 18:13
C:\Cida\ProgramasASP_Net_2017\SalesWebMvc

 **DSWIASPNet** 06/09/2020 10:26
C:\Cida\ProjetosGitHub\DSWI-ASP-Net

 **Aulas.sln** 05/09/2020 17:28

Get started



Clone a repository

Get code from an online repository like GitHub or Azure DevOps



Open a project or solution

Open a local Visual Studio project or .sln file



Open a local folder

Navigate and edit code within any folder










Create a new project


Choose a project template with code scaffolding to get started

[Continue without code →](#)

Create a new project

Recent project templates


-  ASP.NET Web Application (.NET Framework) C#
-  ASP.NET Core Web Application C#
-  Windows Forms App (.NET Framework) C#
-  Console App (.NET Framework) C#
-  Console App (.NET Core) C#
-  Class Library (.NET Core) C#
-  Class Library (.NET Framework) C#


Search for templates (Alt+S)  [Clear all](#)


C# Windows Web


C# Linux macOS Windows Cloud Web

gRPC gRPC Service
A project template for creating a gRPC ASP.NET Core service using .NET Core.
C# Linux macOS Windows Cloud Service Web

 Razor Class Library
A project template for creating a Razor class library.
C# Linux macOS Windows Library Web

 NUnit Test Project (.NET Core)
A project that contains NUnit tests that can run on .NET Core on Windows, Linux and MacOS.
C# Linux macOS Windows Desktop Test Web

 **ASP.NET Web Application (.NET Framework)**
Project templates for creating ASP.NET applications. You can create ASP.NET Web Forms, MVC, or Web API applications and add many other features in ASP.NET.
C# Windows Cloud Web

 Web Driver Test for Edge (.NET Core)

[Back](#)[Next](#)

Configure your new project

ASP.NET Web Application (.NET Framework) C# Windows Cloud Web

Project name

WebApplication1

Nome do projeto

Location

C:\Cida\ProgramasASP_Net_2019\UNIP\Aula_20200909

...

Solution name ⓘ

WebApplication1

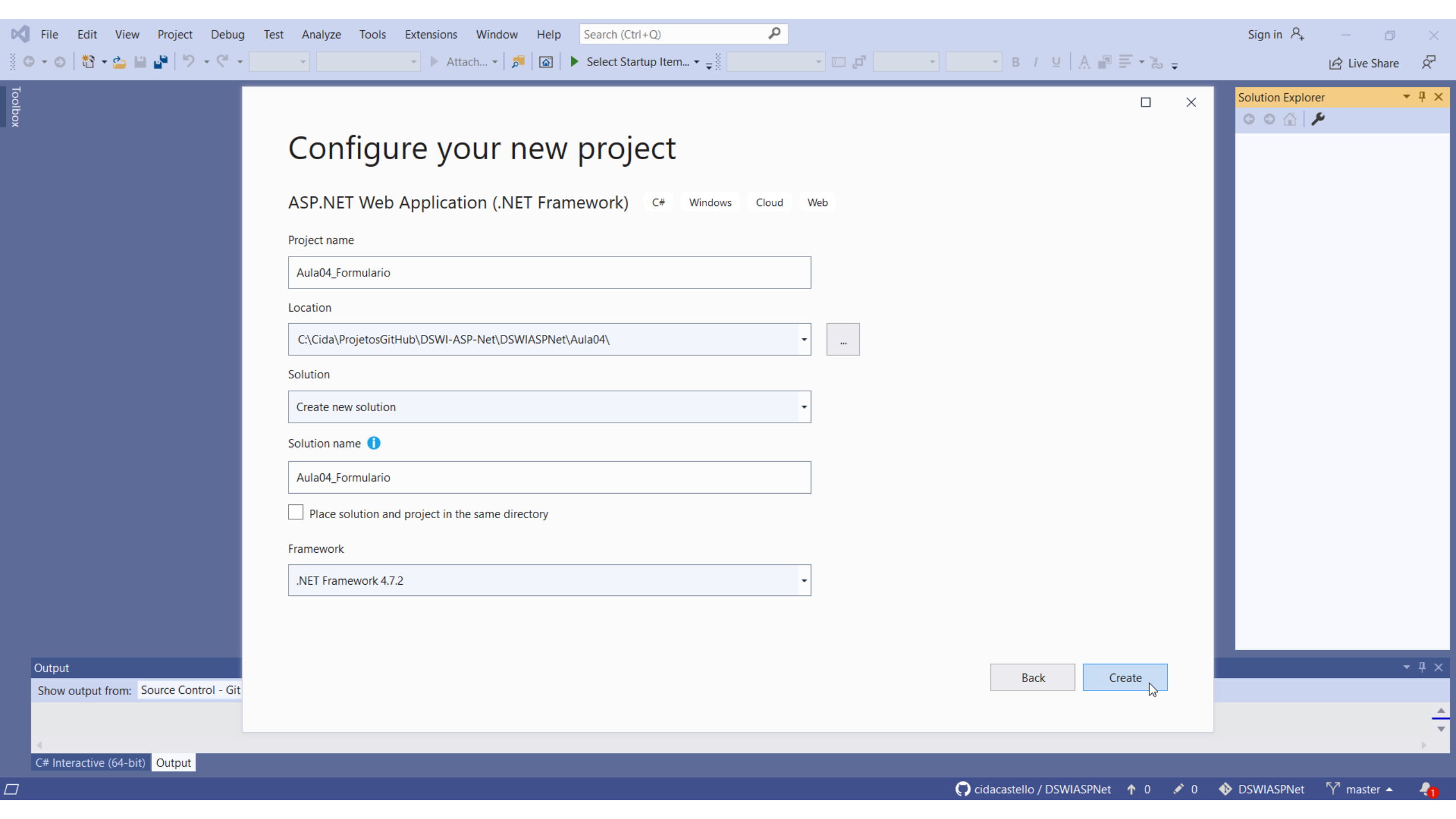
☐ Place solution and project in the same directory

Framework

.NET Framework 4.7.2

Back

Create



Create a new ASP.NET Web Application



Empty

An empty project template for creating ASP.NET applications. This template does not have any content in it.



Web Forms

A project template for creating ASP.NET Web Forms applications. ASP.NET Web Forms lets you build dynamic websites using a familiar drag-and-drop, event-driven model. A design surface and hundreds of controls and components let you rapidly build sophisticated, powerful UI-driven sites with data access.



MVC

A project template for creating ASP.NET MVC applications. ASP.NET MVC allows you to build applications using the Model-View-Controller architecture. ASP.NET MVC includes many features that enable fast, test-driven development for creating applications that use the latest standards.



Web API

A project template for creating RESTful HTTP services that can reach a broad range of clients including browsers and mobile devices.



Single Page Application

A project template for creating rich client side JavaScript driven HTML5 applications using ASP.NET Web API. Single Page Applications provide a rich user experience which includes client-side interactions using HTML5, CSS3, and JavaScript.

Authentication

No Authentication

[Change](#)

Add folders & core references

- ☐ Web Forms
- ☐ MVC
- ☐ Web API

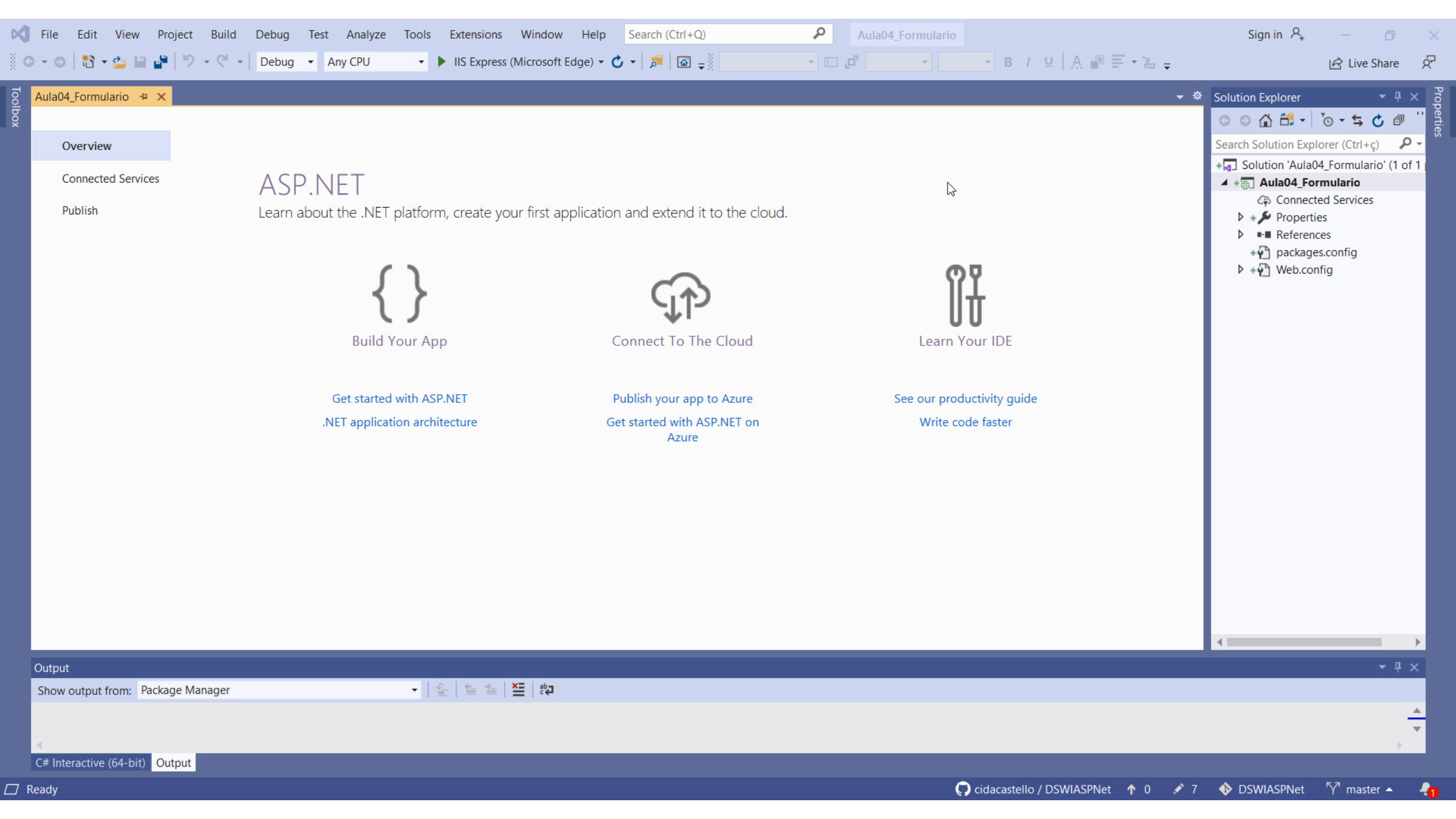
Advanced

- ☒ Configure for HTTPS
- ☐ Docker support
(Requires [Docker Desktop](#))
- ☐ Also create a project for unit tests

WebApplication1.Tests

Back

Create



Toolbox

Aula04_Formulario

Overview

Connected Services

Publish

ASP.NET

Learn about the .NET platform, create your first application and extend it to the cloud.



Build Your App

[Get started with ASP.NET](#)

[.NET application architecture](#)



Connect To The Cloud

[Publish your app to Azure](#)

[Get started with ASP.NET on Azure](#)



Learn Your IDE

[See our productivity guide](#)

[Write code faster](#)

Solution Explorer

Search Solution Explorer (Ctrl+Q)

Solution 'Aula04_Formulario' (1 of 1)

Aula04_Formulario

Connected Services

Properties

References

packages.config

Web.config

Output

Show output from: Package Manager

C# Interactive (64-bit)

Output

Ready

cidacastello / DSWIASPNet

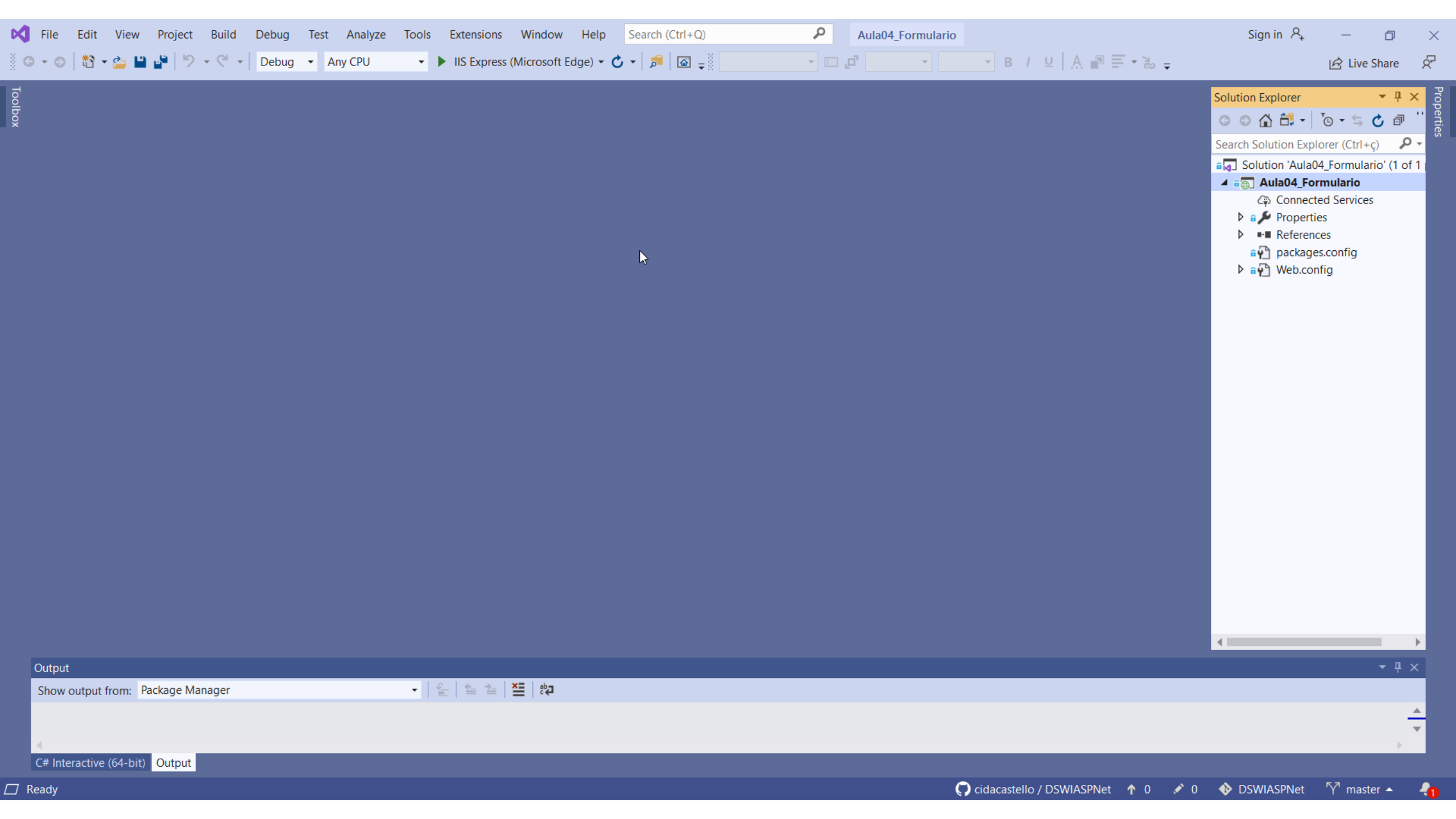
0

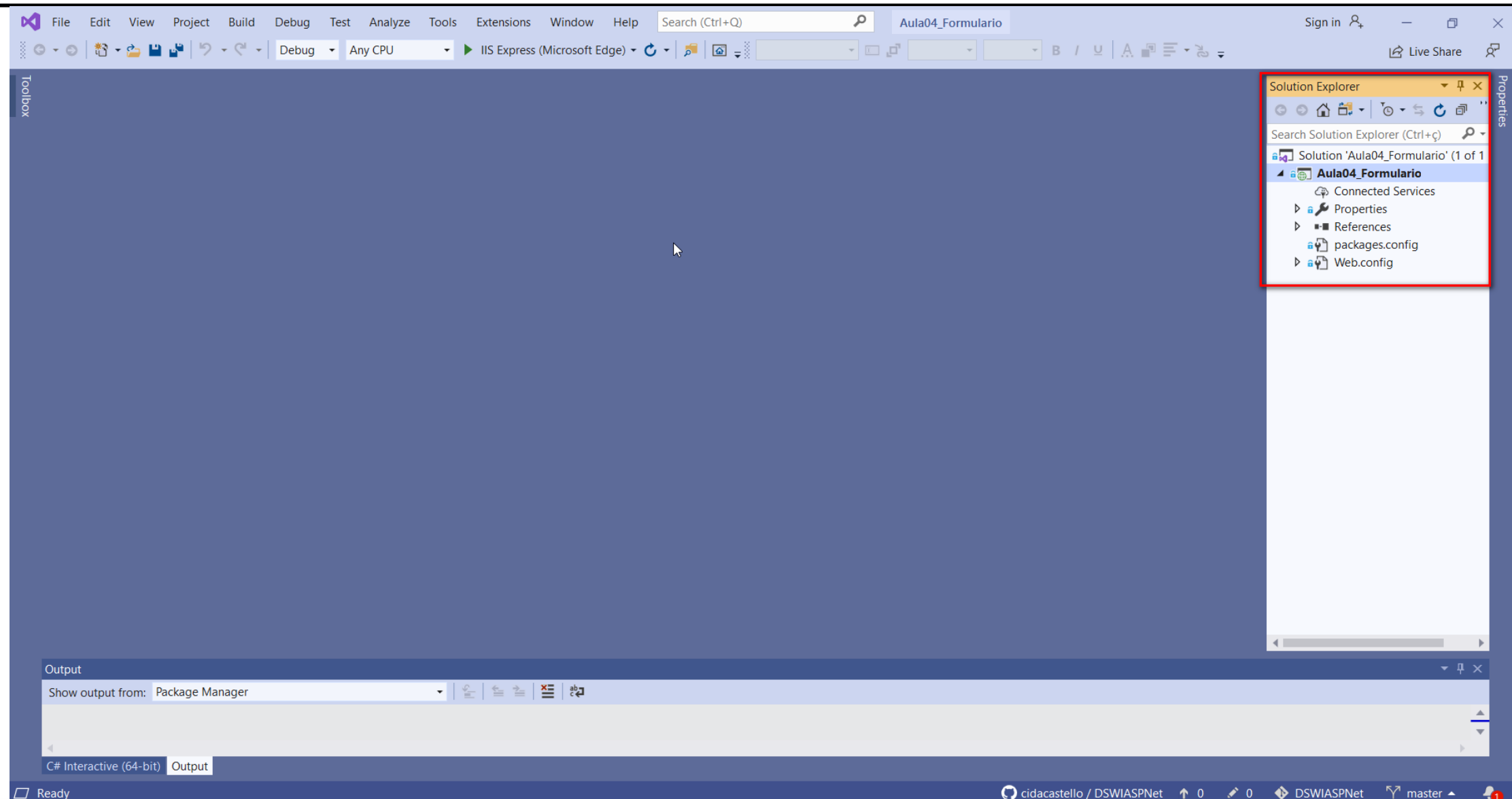
7

DSWIASPNet

master

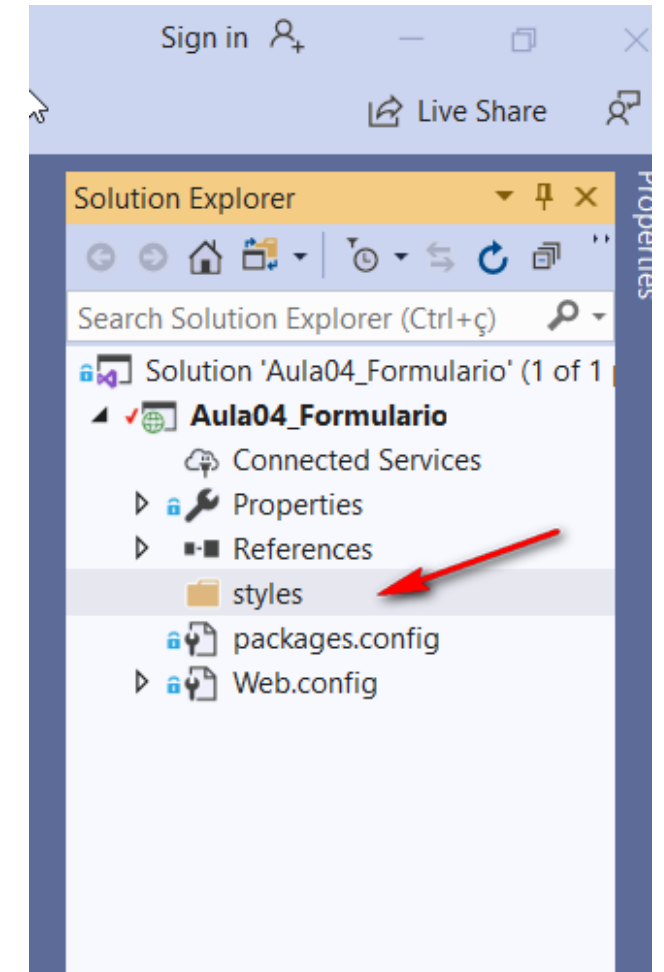
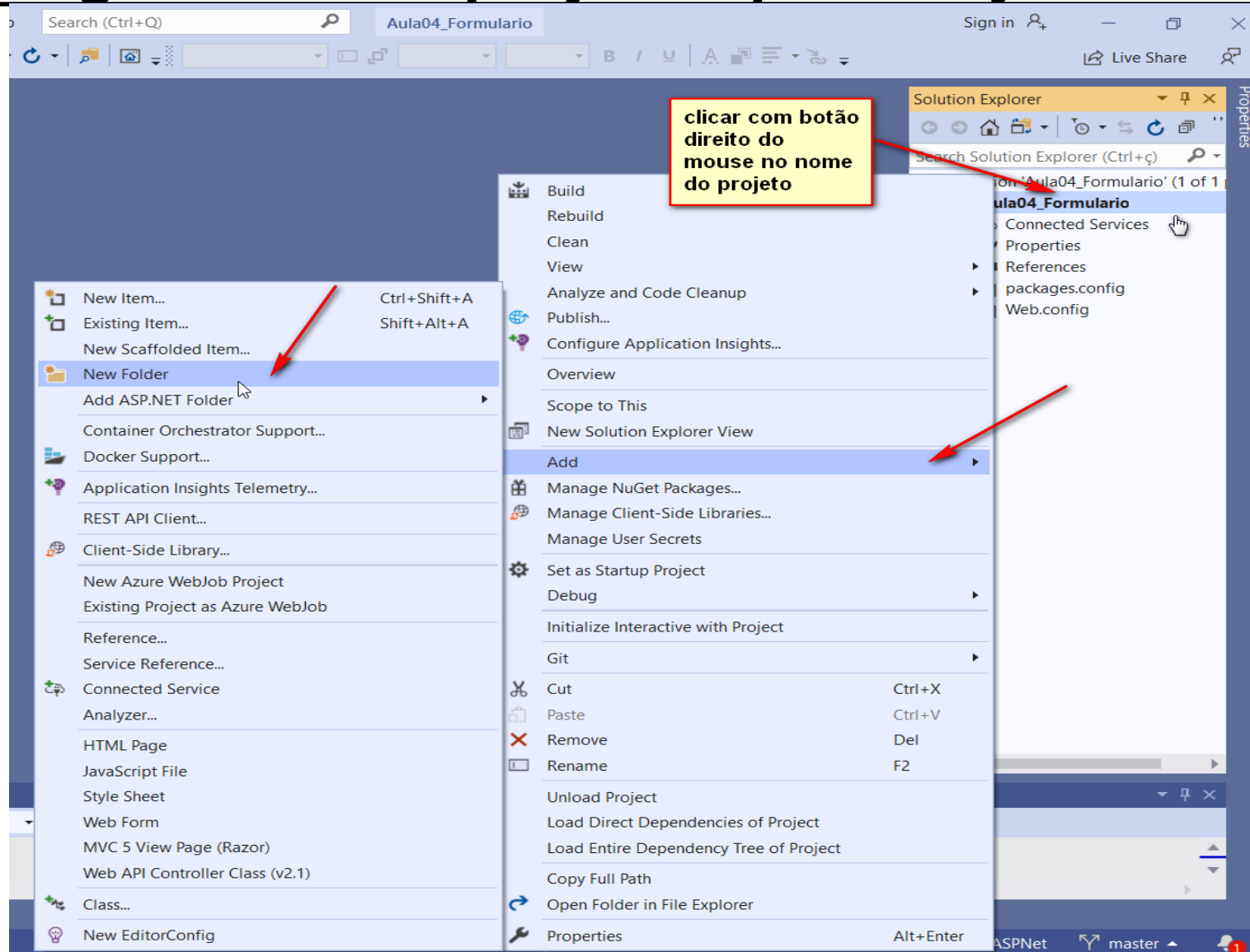
1

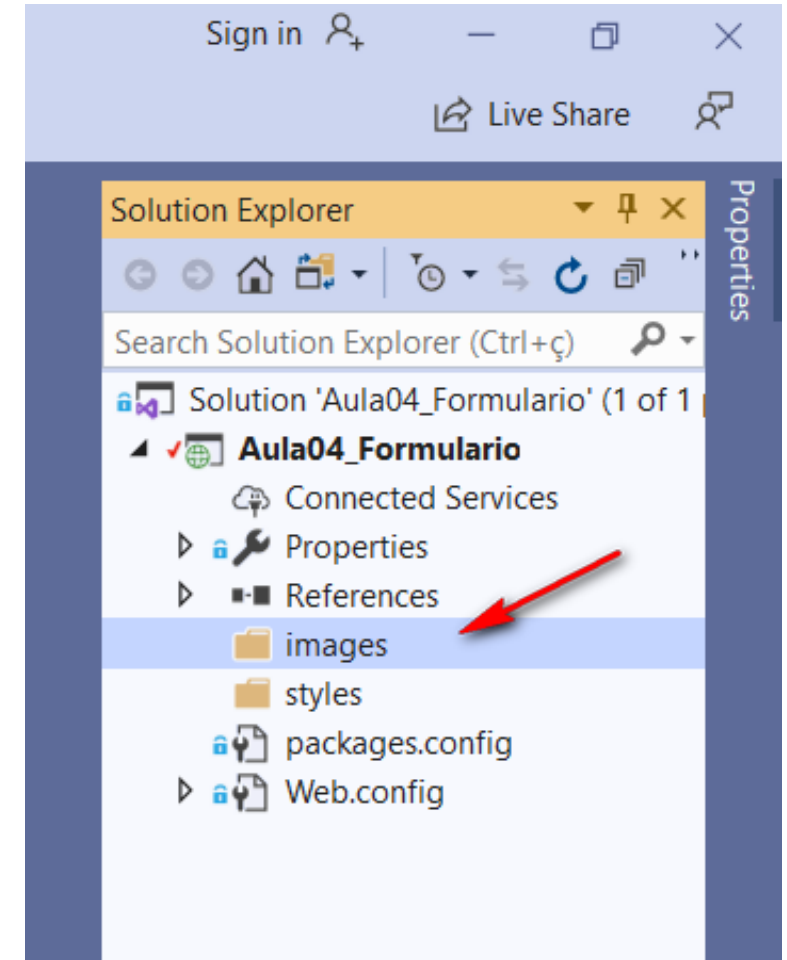
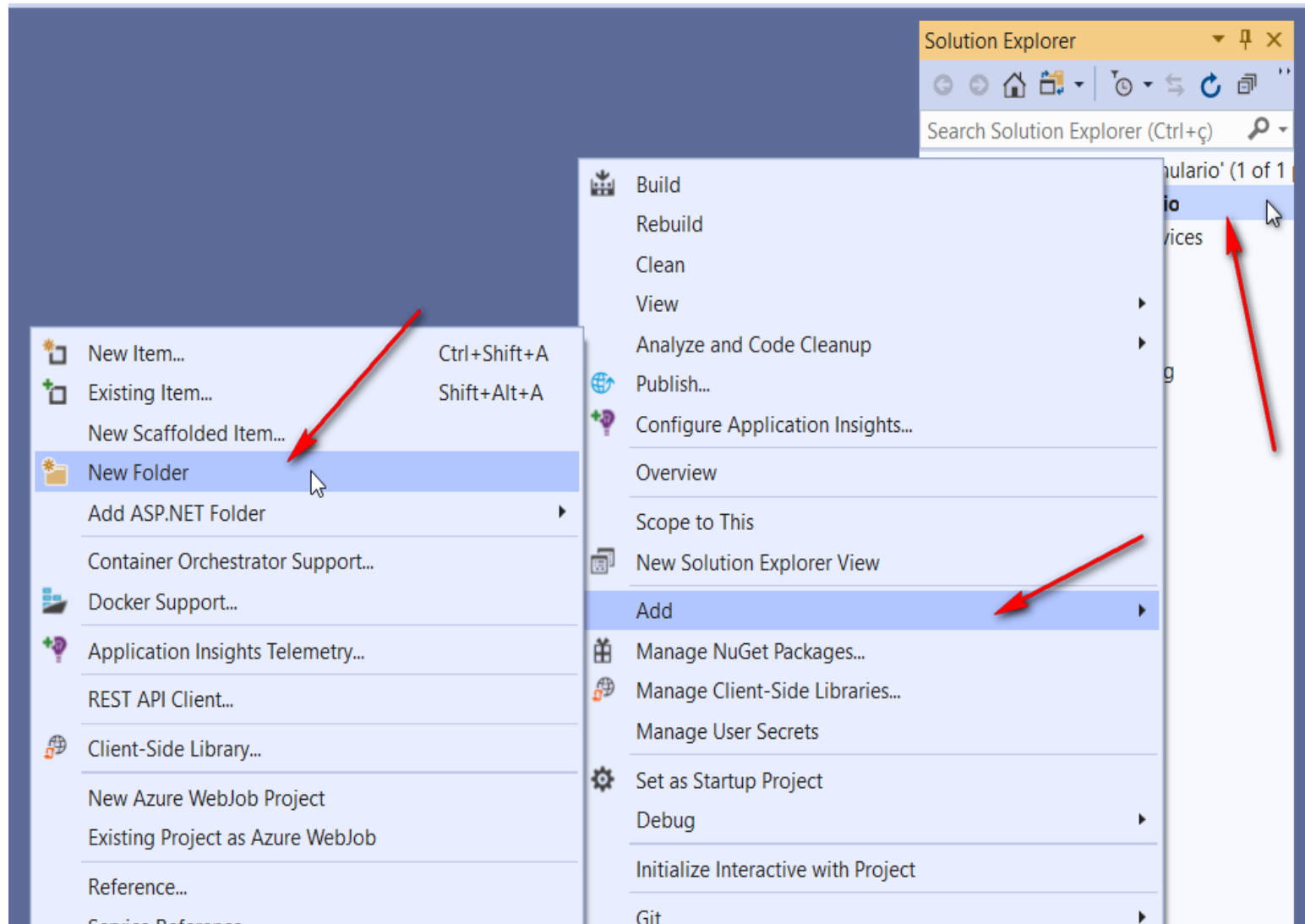


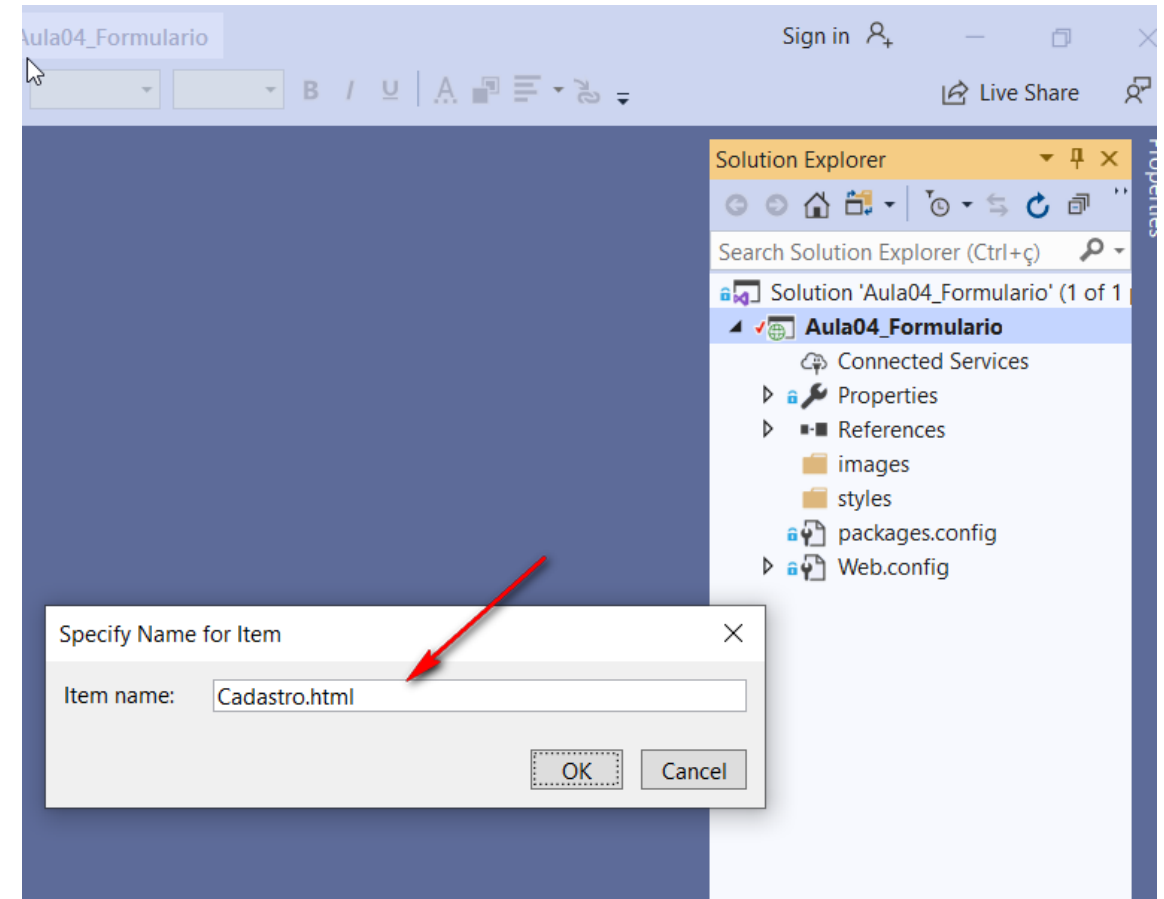
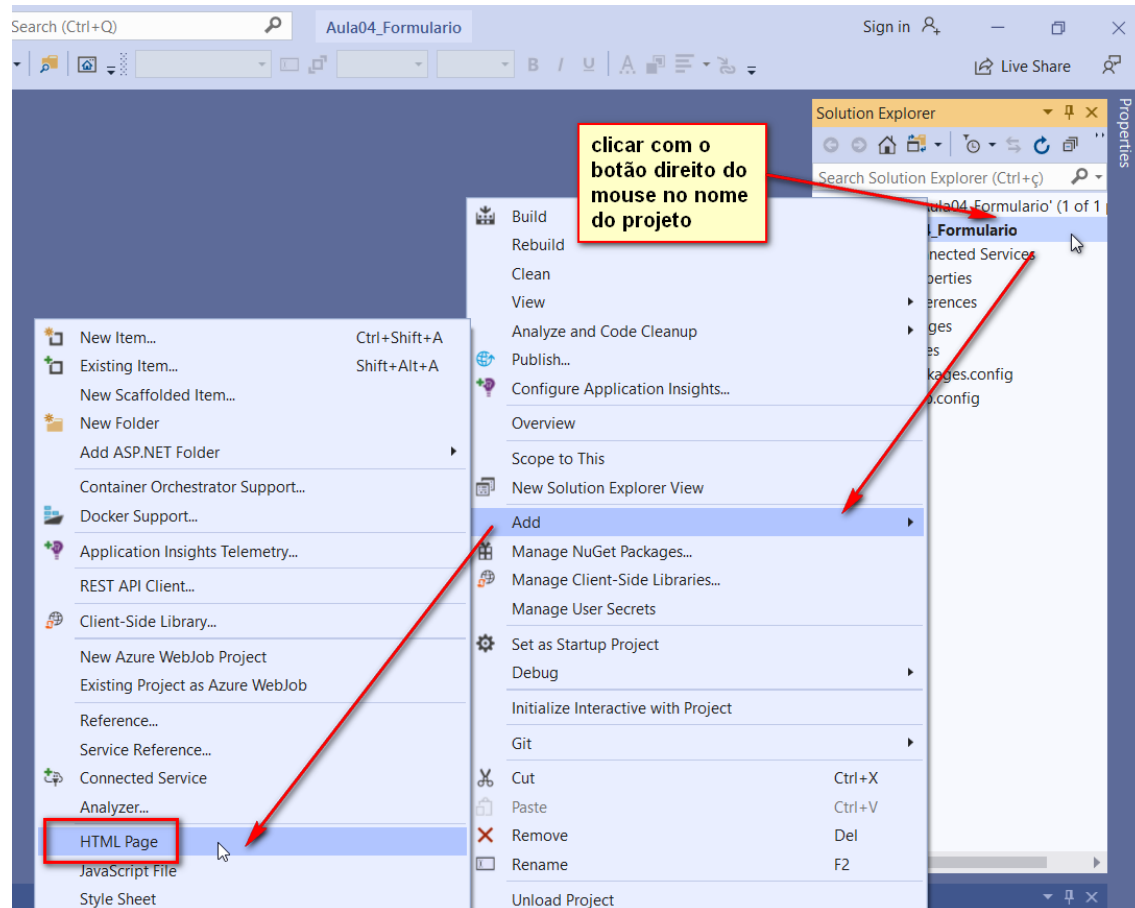


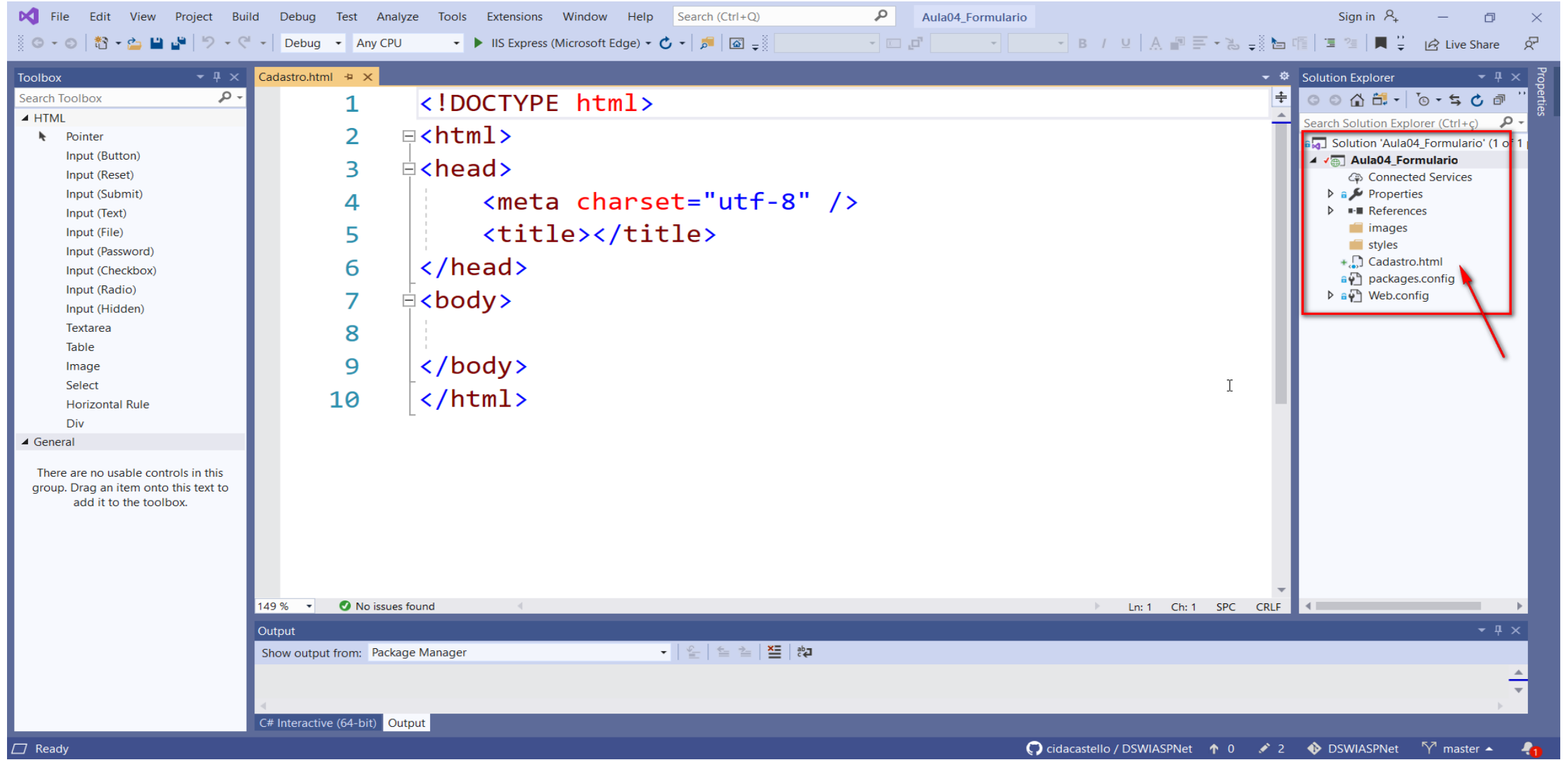
Organizando o projeto – pasta styles

15









Cadastro.html* X

```
1  <!DOCTYPE html>
2  <html lang="pt-br">
3  <head>
4      <meta charset="utf-8" />
5      <title>Cadastro</title>
6  </head>
7  <body>
8      <h1>Cadastro</h1>
9      <form name="cadastro" action="#" method="get">
10         <!--Validando entrada no próprio formulário-->
11         <label for="txtNome">Nome</label> <br />
12         <input type="text" id="txtNome" name="txtNome" placeholder="Nome" required/> <br />
13
14         <label for="txtSobrenome">Sobrenome</label> <br />
15         <input type="text" id="txtSobrenome" name="txtSobrenome" placeholder="Sobrenome" required/> <br />
16
17         <input type="radio" name="sexo" value="masculino" required />Masculino
18         <input type="radio" name="sexo" value="feminino" required />Feminino <br />
19
20         <label for="txtEmail">E-mail</label> <br />
21         <input type="email" id="txtEmail" name="txtEmail" placeholder="E-mail" required /> <br />
22
23         <label for="txtSenha">Senha</label><br />
24         <input type="password" id="txtSenha" name="txtSenha" placeholder="Senha" required />
25         <br /><br />
26         <input type="submit" value="Enviar" />
27         <input type="reset" value="Cancelar" />
28     </form>
29 </body>
30 </html>
```

```
9 <form name="cadastro" action="#" method="get">
10 <!--Validando entrada no próprio formulário-->
11 <label for="txtNome">Nome</label> <br />
12 <input type="text" id="txtNome" name="txtNome" placeholder="Nome" required/> <br />
13
14 <label for="txtSobrenome">Sobrenome</label> <br />
15 <input type="text" id="txtSobrenome" name="txtSobrenome" placeholder="Sobrenome" required/> <br />
16
17 <input type="radio" name="sexo" value="masculino" required />Masculino
18 <input type="radio" name="sexo" value="feminino" required />Feminino <br />
19
20 <label for="txtEmail">E-mail</label> <br />
21 <input type="email" id="txtEmail" name="txtEmail" placeholder="E-mail" required /> <br />
22
23 <label for="txtSenha">Senha</label><br />
24 <input type="password" id="txtSenha" name="txtSenha" placeholder="Senha" required />
25 <br /><br />
26 <input type="submit" value="Enviar" />
27 <input type="reset" value="Cancelar" />
28 </form>
```

Cadastro

Nome
Nome

Sobrenome
Sobrenome

☐ Masculino ☐ Feminino

E-mail
E-mail

Senha
Senha

Enviar Cancelar

placeholder

Cadastro

Nome
Nome

Sobrenome
Sobrenome

☐ Masculino ☐ Feminino

E-mail
E-mail

Senha
Senha

Enviar Cancelar

required

Preencha este campo.

Cadastro

Nome
Cida

Sobrenome
Castello

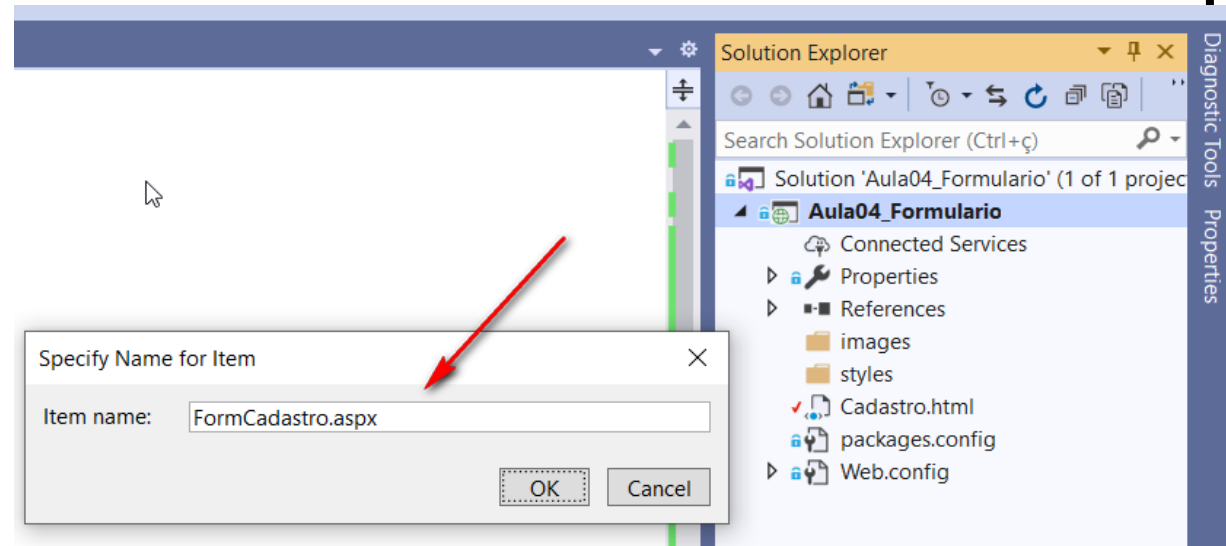
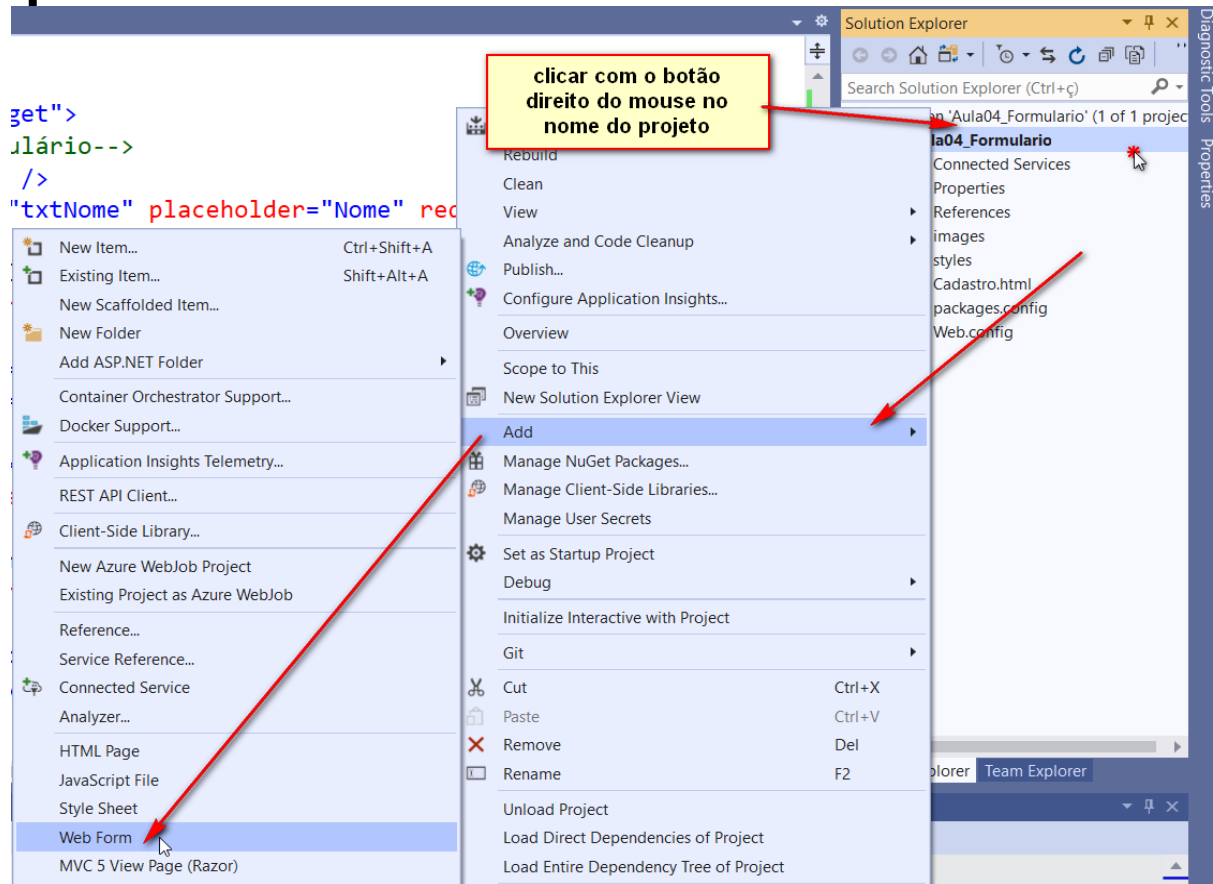
☐ Masculino ☒ Feminino

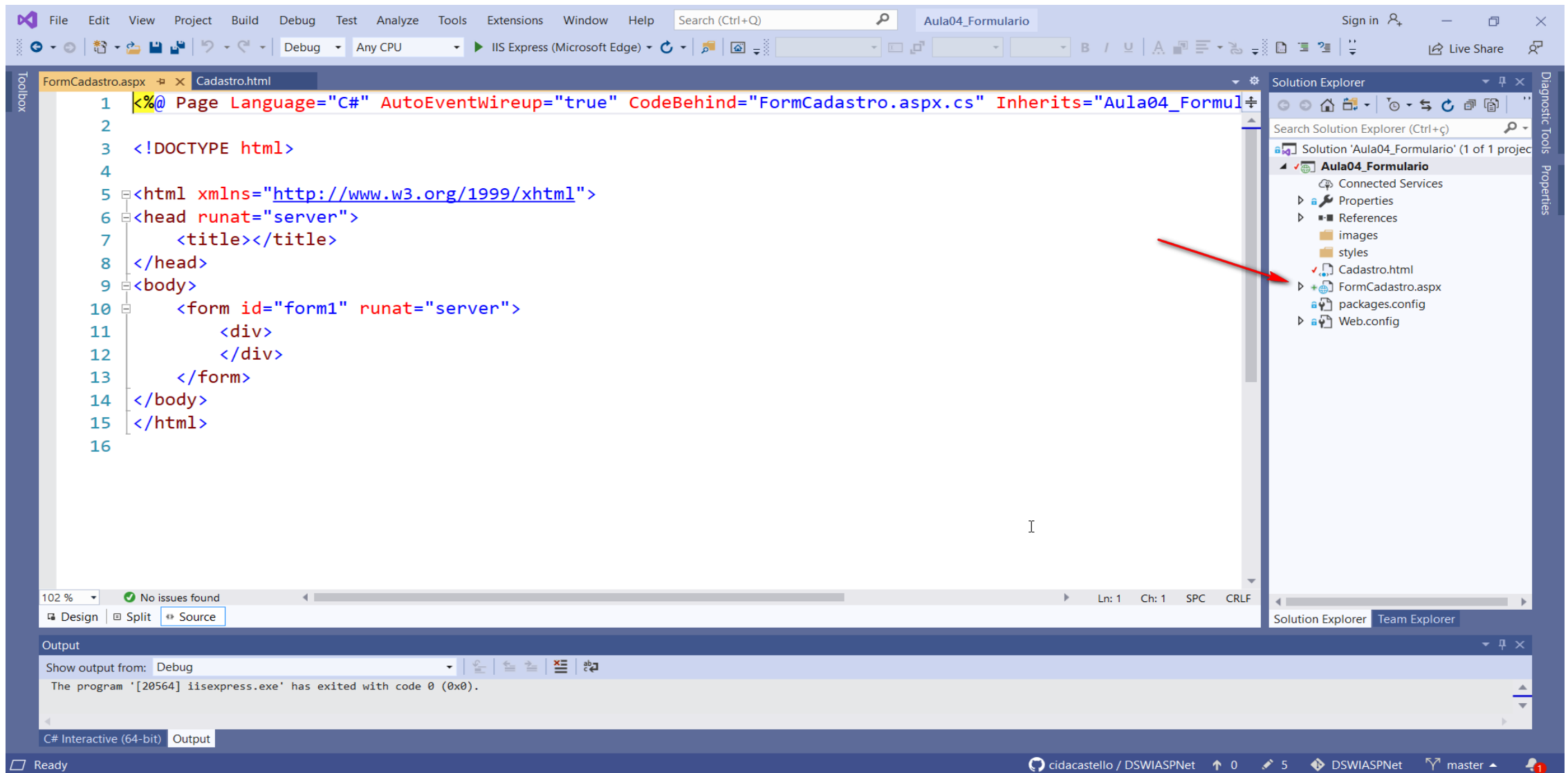
E-mail
cida

Enviar Cancelar

validação do e-mail

Inclua um "@" no endereço de email. "cida" não contém um "@".





The screenshot displays the Visual Studio IDE with the 'FormCadastro.aspx' file open in the editor. The code is written in HTML and includes a C# page directive. The Solution Explorer on the right shows the project structure, with a red arrow pointing to the 'FormCadastro.aspx' file. The Output window at the bottom shows a message from 'iisexpress.exe'.

```
1 <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="FormCadastro.aspx.cs" Inherits="Aula04_Formul"
2
3 <!DOCTYPE html>
4
5 <html xmlns="http://www.w3.org/1999/xhtml">
6 <head runat="server">
7     <title></title>
8 </head>
9 <body>
10     <form id="form1" runat="server">
11         <div>
12             </div>
13     </form>
14 </body>
15 </html>
16
```

Output

Show output from: Debug

The program '[20564] iisexpress.exe' has exited with code 0 (0x0).

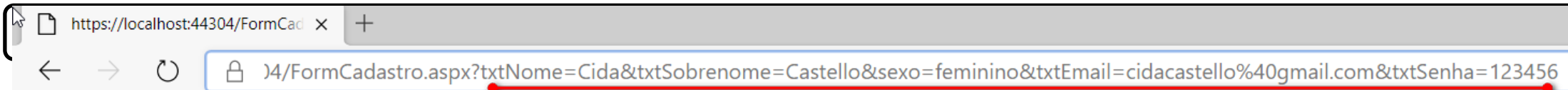
```
FormCadastro.aspx  Cadastro.html
1  <%@ Page Language="C#" AutoEventWireup="true" CodeBehind="FormCadastro.aspx.cs" Inherits="Aula04_Formulario.FormCadastro" %>
2
3  <!DOCTYPE html>
4
5  <html xmlns="http://www.w3.org/1999/xhtml">
6  <head runat="server">
7      <title></title>
8  </head>
9  <body>
10     <form id="form1" runat="server">
11         <div>
12             <h3>Dados enviados pelo formulário</h3>
13             <%
14                 /*
15                 Método HTTP POST => os dados enviados pelo usuário estarão na coleção Request.Form()
16                 Método HTTP GET  => os dados enviados pelo usuário estarão na coleção Request.QueryString()
17                 */
18                 string fNome = Request.QueryString["txtNome"];
19                 string fSobrenome = Request.QueryString["txtSobrenome"];
20                 string fSexo = Request.QueryString["sexo"];
21                 string fEmail = Request.QueryString["txtEmail"];
22
23                 Response.Write("<h1>Nome: " + fNome + "</h1> <br />");
24                 Response.Write("Sobrenome: " + fSobrenome + "<br />");
25                 Response.Write("Sexo: " + fSexo + "<br />");
26                 Response.Write("E-mail: " + fEmail + "<br />");
27             %>
12             </div>
29         </form>
30     </body>
31 </html>
```


FormCadastro.aspx

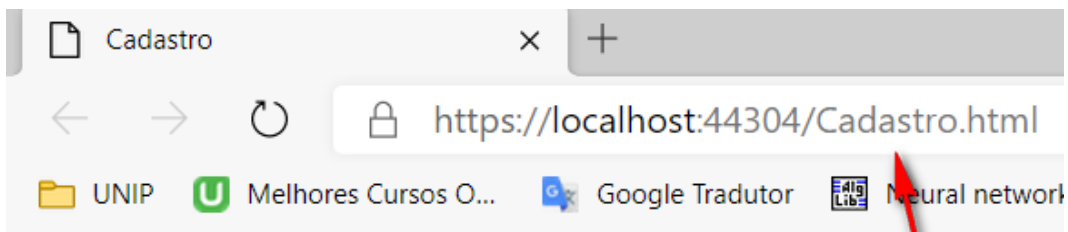
Cadastro.html

```
1  <!DOCTYPE html>
2  <html lang="pt-br">
3  <head>
4      <meta charset="utf-8" />
5      <title>Cadastro</title>
6  </head>
7  <body>
8      <h1>Cadastro</h1>
9      <form name="cadastro" action="FormCadastro.aspx" method="get">
10         <!--Validando entrada no próprio formulário-->
11         <label for="txtNome">Nome</label> <br />
12         <input type="text" id="txtNome" name="txtNome" placeholder=
```

atualizar as
propriedades do
Cadastro.html



método get



Cadastro

Nome

Cida

Sobrenome

Castello

☐ Masculino ☒ Feminino

E-mail

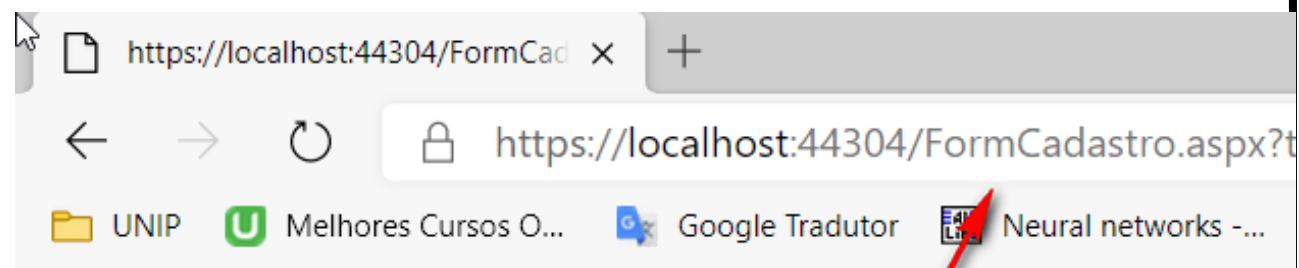
cidacastello@gmail.com

Senha

.....

Enviar

Cancelar



Dados enviados pelo formulário

Nome: Cida

Sobrenome: Castello

Sexo: feminino

E-mail: cidacastello@gmail.com

```

9      <form name="cadastro" action="FormCadastro.aspx" method="get">
10          <!--Validando entrada no próprio formulário-->
11          <label for="txtNome">Nome</label> <br />
12          <input type="text" id="txtNome" name="txtNome" placeholder="Nome" required/> <br />
13
14          <label for="txtSobrenome">Sobrenome</label> <br />
15          <input type="text" id="txtSobrenome" name="txtSobrenome" placeholder="Sobrenome" required/> <br />
16
17          <input type="radio" name="sexo" value="masculino" required />Masculino
18          <input type="radio" name="sexo" value="feminino" required />Feminino <br />
19
20          <label for="txtEmail">E-mail</label> <br />
21          <input type="email" id="txtEmail" name="txtEmail" placeholder="E-mail" required /> <br />
22
23          <label for="txtSenha">Senha</label><br />
24          <input type="password" id="txtSenha" name="txtSenha" placeholder="Senha" required />
25          <br /><br />
26          <input type="submit" value="Enviar" />
27          <input type="reset" value="Cancelar" />
28      </form>

```

Cadastro.html

```

10      <form id="form1" runat="server">
11          <div>
12              <h3>Dados enviados pelo formulário</h3>
13              <%
14                  /*
15                  Método HTTP POST => os dados enviados pelo usuário estarão na coleção Request.Form()
16                  Método HTTP GET  => os dados enviados pelo usuário estarão na coleção Request.QueryString()
17                  */
18                  string fNome = Request.QueryString["txtNome"];
19                  string fSobrenome = Request.QueryString["txtSobrenome"];
20                  string fSexo = Request.QueryString["sexo"];
21                  string fEmail = Request.QueryString["txtEmail"];
22
23                  Response.Write("<h1>Nome: " + fNome + "</h1> <br />");
24                  Response.Write("Sobrenome: " + fSobrenome + "<br />");
25                  Response.Write("Sexo: " + fSexo + "<br />");
26                  Response.Write("E-mail: " + fEmail + "<br />");
27              %>
28          </div>
29      </form>

```

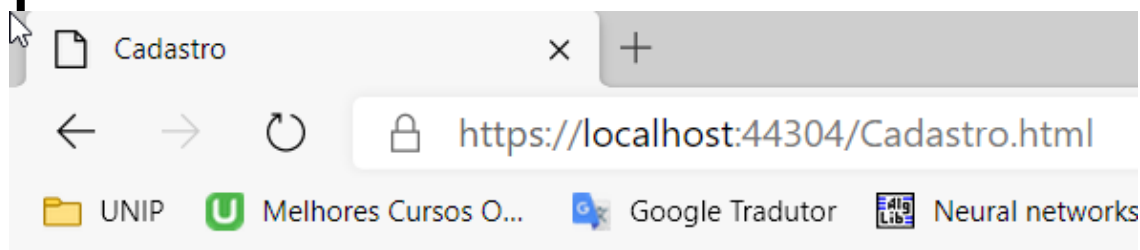
FormCadastro.aspx

Cadastro.html
Alterando para o método post

```
9      <form name="cadastro" action="FormCadastro.aspx" method="post">
10      <!--Validando entrada no próprio formulário-->
11      <label for="txtNome">Nome</label> <br />
12      <input type="text" id="txtNome" name="txtNome" placeholder="Nome"

10     <form id="form1" runat="server">
11         <div>
12             <h3>Dados enviados pelo formulário</h3>
13             <%
14                 /*
15                 Método HTTP POST => os dados enviados pelo usuário estarão na coleção Request.Form()
16                 Método HTTP GET  => os dados enviados pelo usuário estarão na coleção Request.QueryString()
17                 */
18                 string fNome = Request.Form["txtNome"];
19                 string fSobrenome = Request.Form["txtSobrenome"];
20                 string fSexo = Request.Form["sexo"];
21                 string fEmail = Request.Form["txtEmail"];
22
23                 Response.Write("<h1>Nome: " + fNome + "</h1> <br />");
24                 Response.Write("Sobrenome: " + fSobrenome + "<br />");
25                 Response.Write("Sexo: " + fSexo + "<br />");
26                 Response.Write("E-mail: " + fEmail + "<br />");
27             %>
28         </div>
29     </form>
```

Alterando para
Request.Form[]



Cadastro

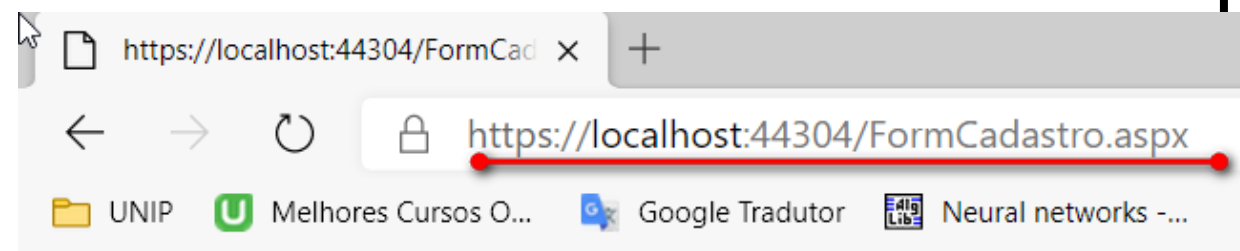
Nome

Sobrenome

☐ Masculino ☒ Feminino

E-mail

Senha



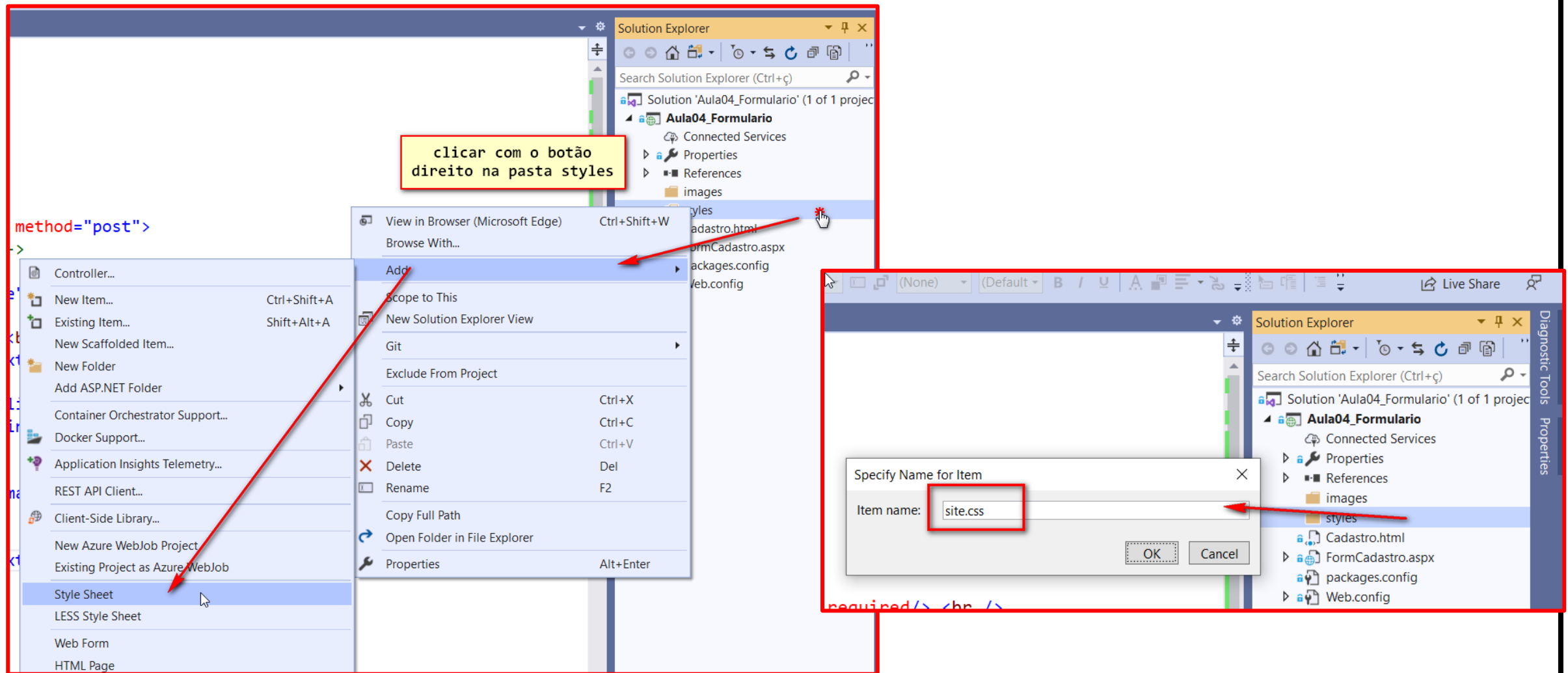
Dados enviados pelo formulário

Nome: Cida

Sobrenome: Castello

Sexo: feminino

E-mail: cidacastello@gmail.com



```
Cadastro.html  site.css  -+ X
1  label {
2      /* https://www.w3schools.com/css/css\_display\_visibility.asp */
3      display: block;
4      margin-top: 10px;
5  }
6
7  input, button {
8      padding: 10px;
9  }
10
11 input {
12     width: 50%;
13 }
14 input[type=text] {
15     border: 2px solid red;
16     border-radius: 4px;
17 }
18 input[type=radio] {
19     width: 1%;
20     margin-left: 0px;
21     margin-top: 20px;
22     margin-bottom: 20px;
23 }
24
25 input[type=button], input[type=submit], input[type=reset] {
26     background-color: #4CAF50;
27     border: none;
28     color: white;
29     padding: 16px 32px;
30     text-decoration: none;
31     margin: 4px 2px;
32     cursor: pointer;
33     /* Tip: use width: 100% for full-width buttons */
34 }
```

https://www.w3schools.com/css/css_form.asp

Cadastro.html

site.css

```
1      <!DOCTYPE html>
2      <html lang="pt-br">
3      <head>
4          <meta charset="utf-8" />
5          <title>Cadastro</title>
6          <link rel="stylesheet" type="text/css" href="styles/site.css" />
7      </head>
8      <body>
9          <h1>Cadastro</h1>
```


Cadastro

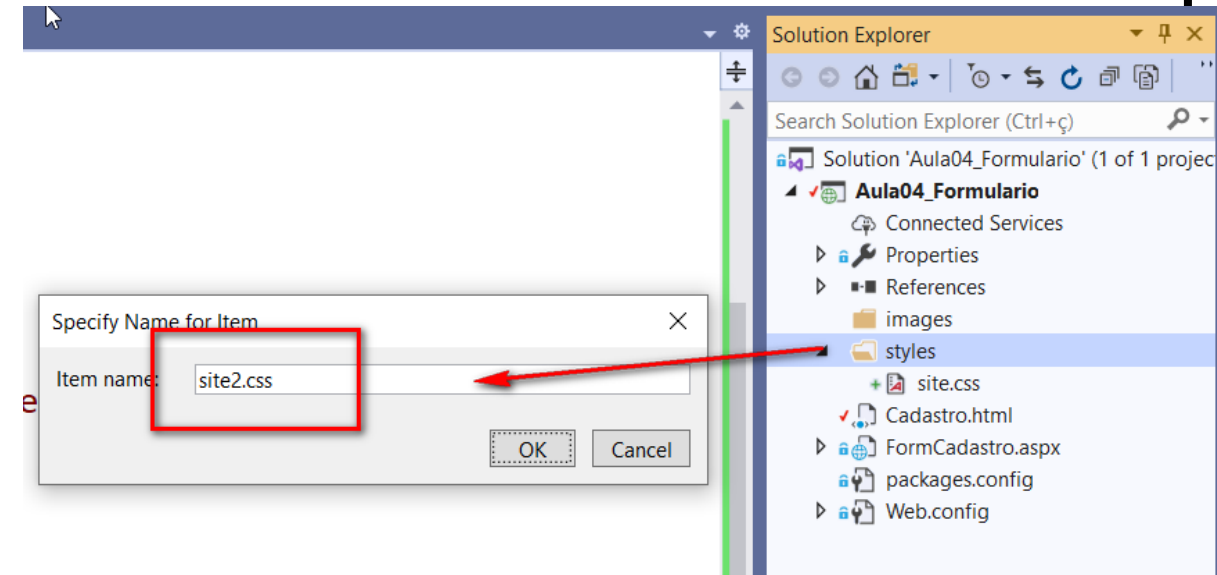
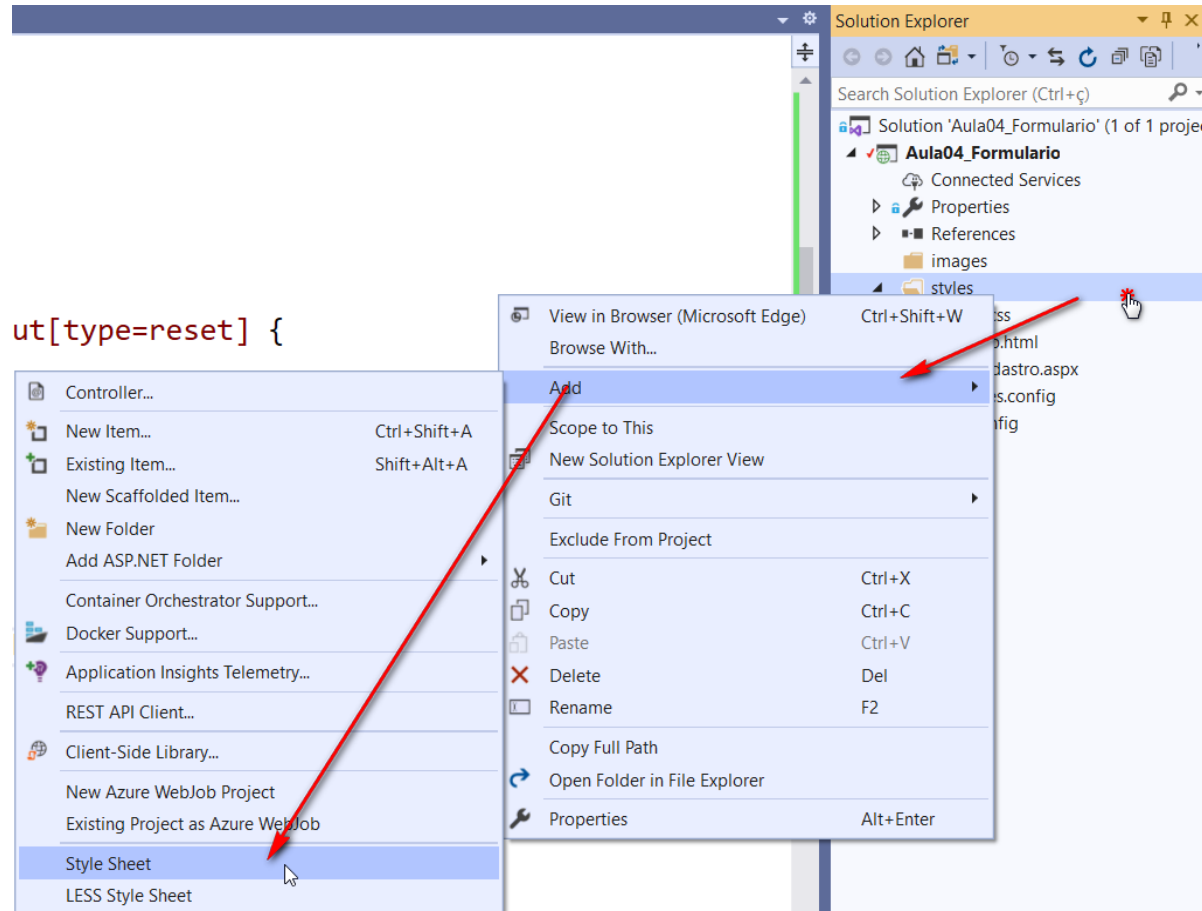
Nome

Sobrenome

☐ Masculino ☐ Feminino

E-mail

Senha

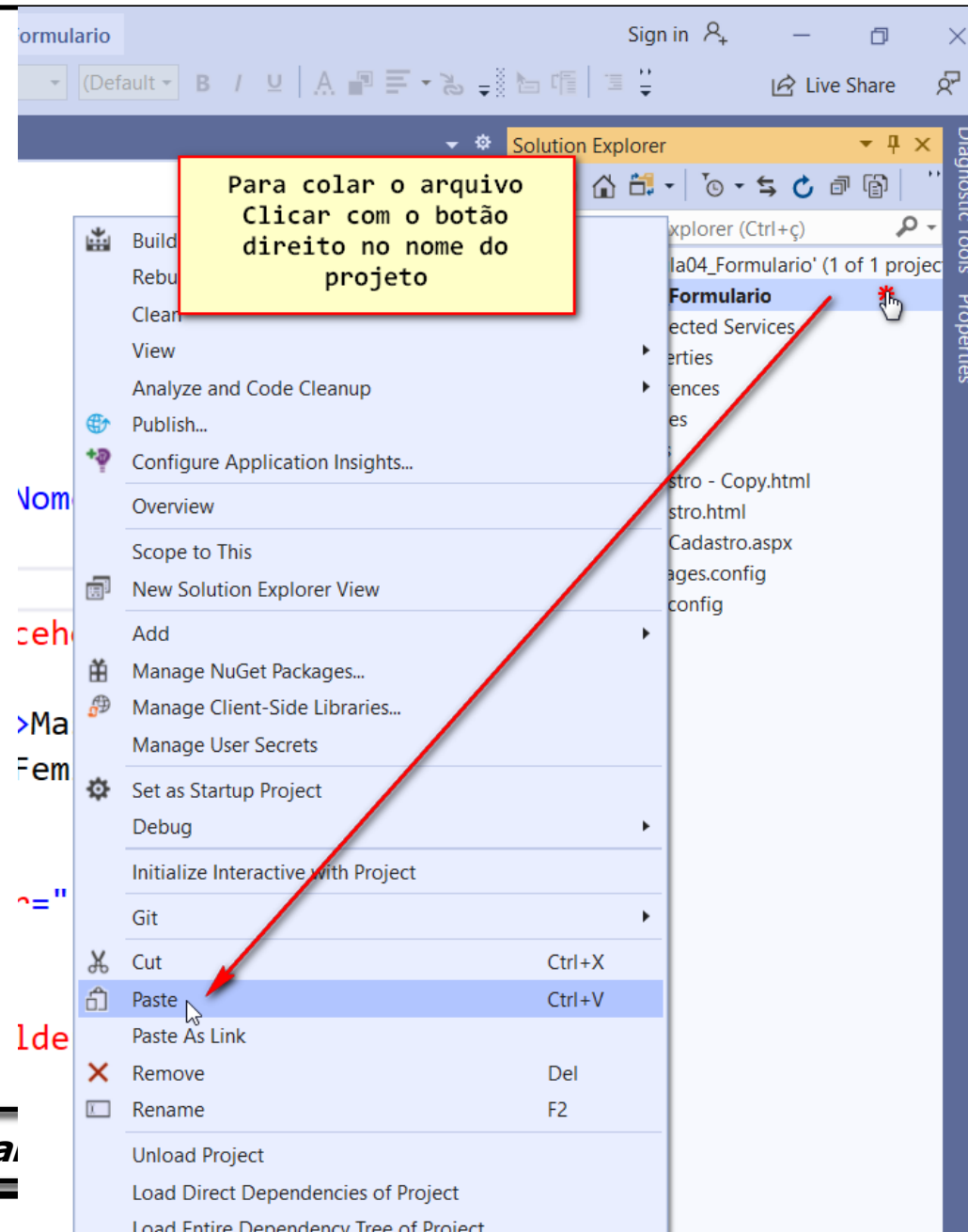
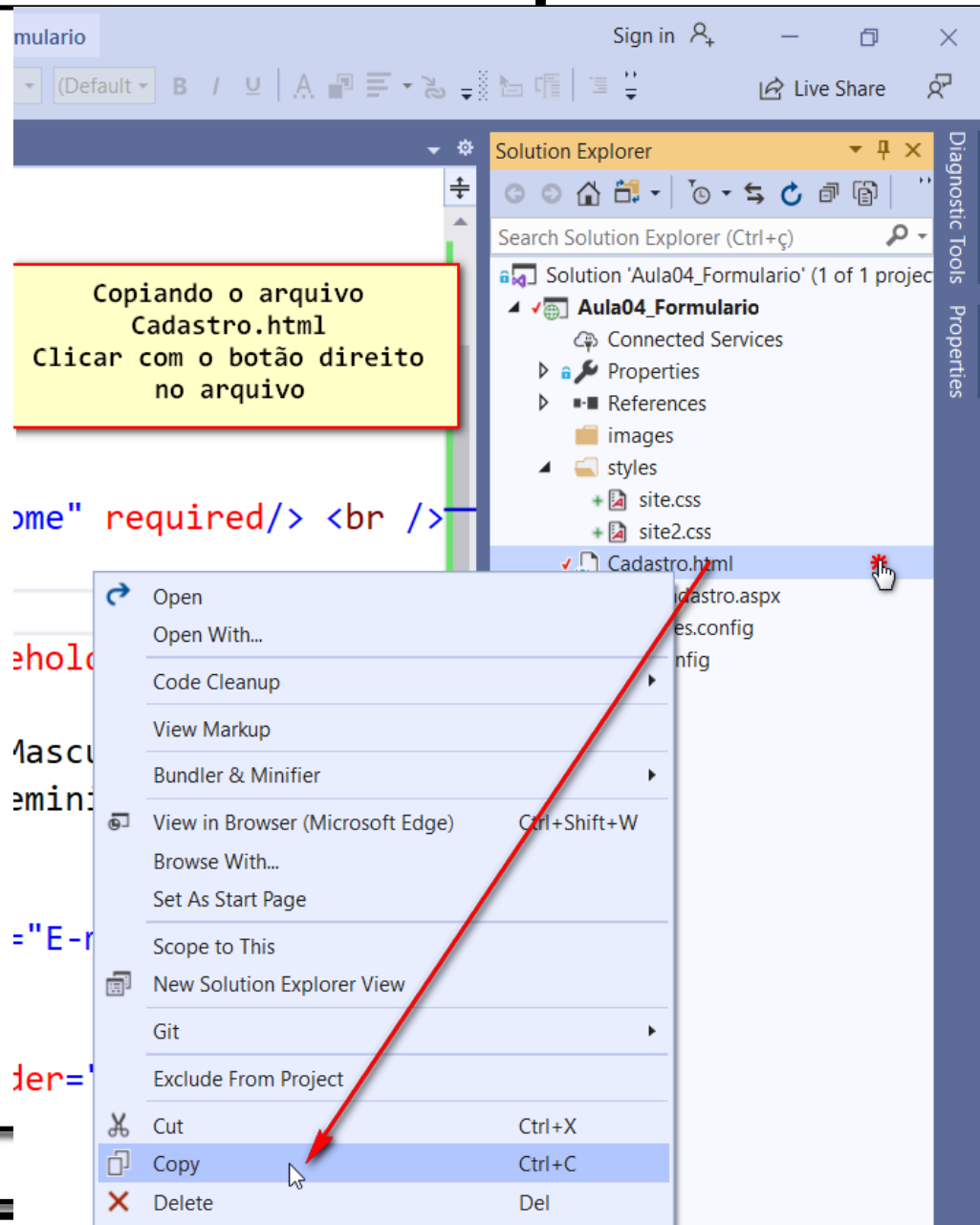


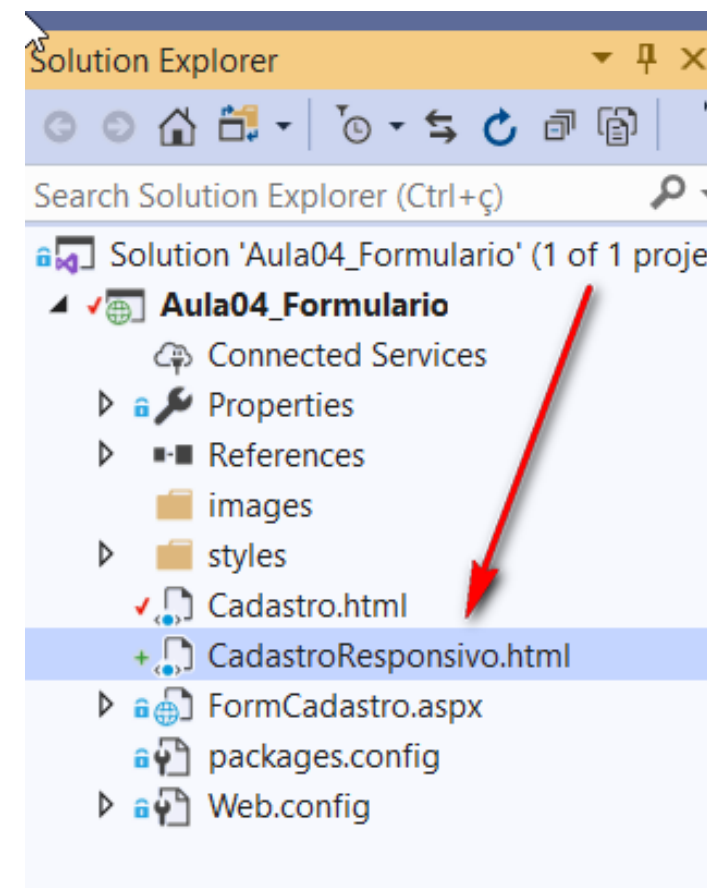
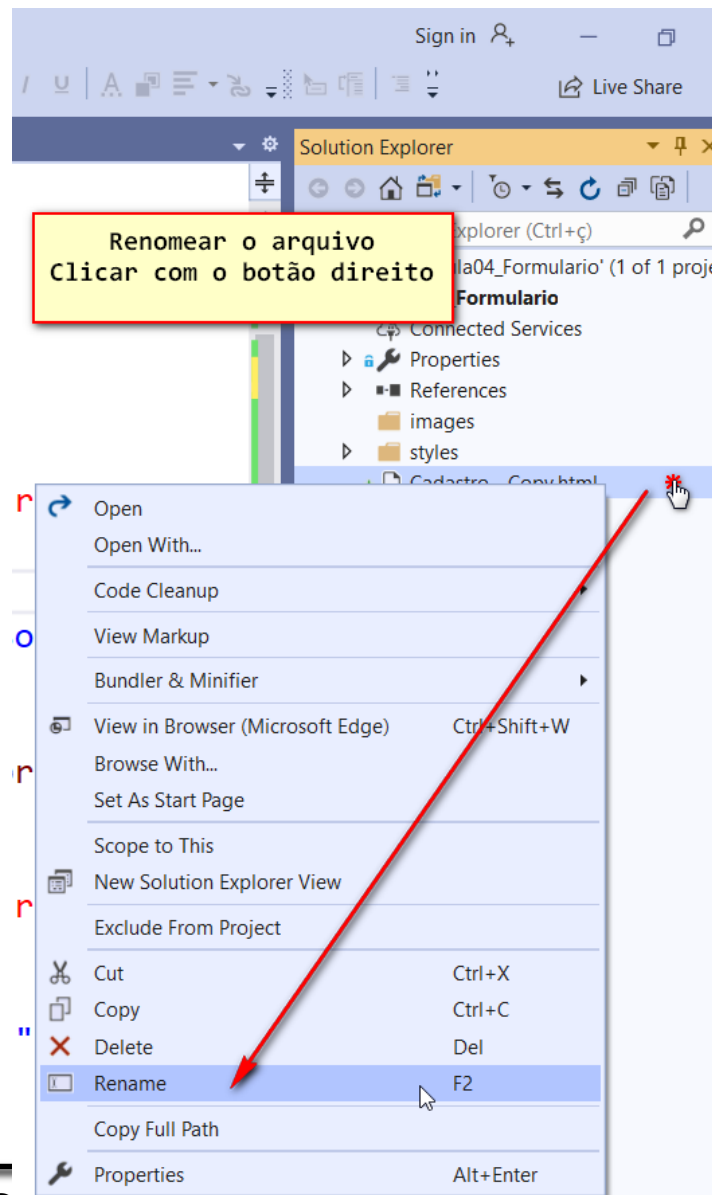
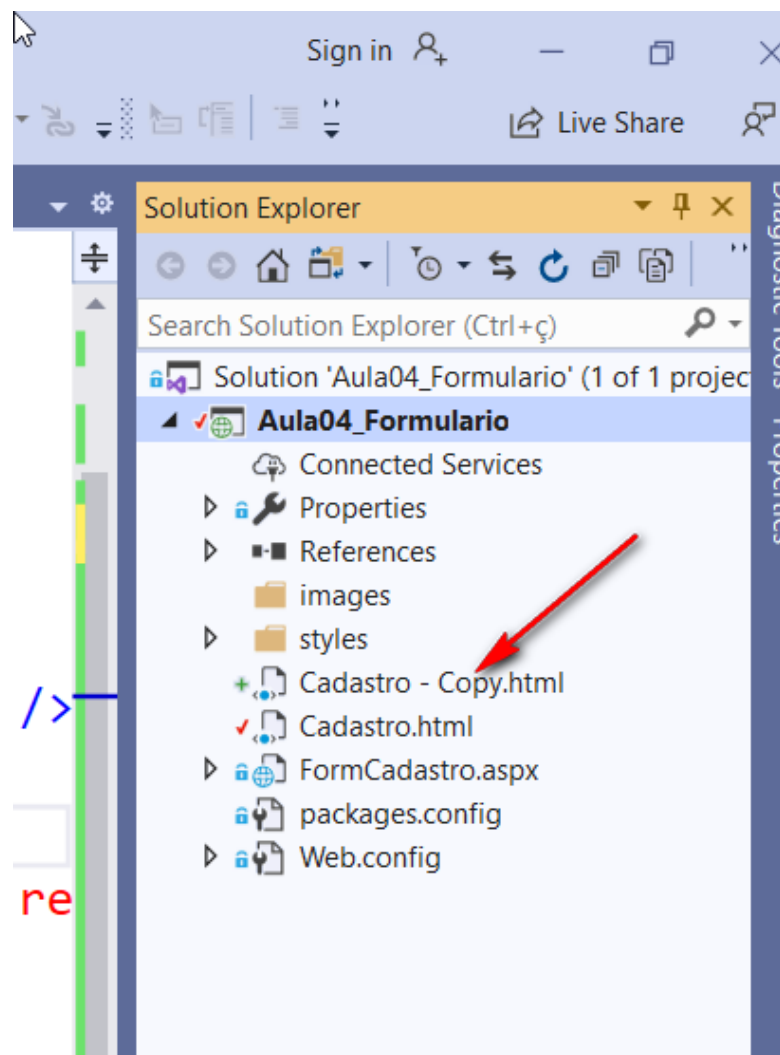
```
site2.css  x  CadastroResponsivo.html
1  /* https://www.w3schools.com/css/tryit.asp?filename=trycss\_form\_responsive */
2  * {
3      box-sizing: border-box;
4  }
5
6  input[type=text], select, textarea {
7      width: 100%;
8      padding: 12px;
9      border: 1px solid #ccc;
10     border-radius: 4px;
11     resize: vertical;
12 }
13
14 label {
15     padding: 12px 12px 12px 0;
16     display: inline-block;
17 }
18
19 input[type=submit], input[type=reset] {
20     background-color: #4CAF50;
21     color: white;
22     padding: 12px 20px;
23     border: none;
24     border-radius: 4px;
25     cursor: pointer;
26     float: left;
27 }
28
29 input[type=submit]:hover, input[type=reset]:hover {
30     background-color: #45a049;
31 }
32
33
```

```
site2.css x CadastroResponsivo.html
34 .container {
35     border-radius: 5px;
36     background-color: #f2f2f2;
37     padding: 20px;
38 }
39
40 .col-25 {
41     float: left;
42     width: 25%;
43     margin-top: 6px;
44 }
45
46 .col-75 {
47     float: left;
48     width: 75%;
49     margin-top: 6px;
50 }
51
52 /* Clear floats after the columns */
53 .row:after {
54     content: "";
55     display: table;
56     clear: both;
57 }
58
59 /* Responsive layout - when the screen is less than 600px wide,
60    make the two columns stack on top of each other instead of next to each other */
61 @media screen and (max-width: 600px) {
62     .col-25, .col-75, input[type=submit] {
63         width: 100%;
64         margin-top: 0;
65     }
66 }
```

Criando uma cópia de Cadastro.html

37





```
1 <!DOCTYPE html>
2 <html lang="pt-br">
3   <head>
4     <meta charset="utf-8" />
5     <title>Cadastro Responsivo</title>
6     <link rel="stylesheet" type="text/css" href="styles/site2.css" />
7
8     <style type="text/css">
9       .input{
10         width:50%;
11       }
12     </style>
13
14   </head>
```

```
14
15 <body>
16   <h1>Cadastro</h1>
17   <div class="container">
18     <form name="cadastro" action="FormCadastro.aspx" method="post">
19
20       <div class="row">
21         <div class="col-25">
22           <label for="txtNome">Nome</label>
23         </div>
24         <div class="col-75">
25           <input type="text" id="txtNome" name="txtNome" placeholder="Nome" required />
26         </div>
27       </div>
28
29       <div class="row">
30         <div class="col-25">
31           <label for="txtSobrenome">Sobrenome</label>
32         </div>
33         <div class="col-75">
34           <input type="text" id="txtSobrenome" name="txtSobrenome" placeholder="Sobrenome" required />
35         </div>
36       </div>
37     </form>
38   </div>
39 </body>
```



```
37
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```



The diagram illustrates the structure of the HTML code. A vertical line on the left has checkboxes and a blue arrow pointing downwards. Red arrows indicate the opening and closing of the main `<div>` elements. Yellow arrows show the nesting of `<div>` elements within rows. Green arrows highlight specific attributes and values within the code.

```
<div class="row">
  <div class="col-25">
    <label>Gênero</label>
  </div>
  <div class="col-75">
    <input type="radio" name="sexo" value="masculino" required />Masculino
    <input type="radio" name="sexo" value="feminino" required />Feminino
  </div>
</div>

<div class="row">
  <div class="col-25">
    <label for="txtEmail">E-mail</label>
  </div>
  <div class="col-75">
    <input type="email" id="txtEmail" name="txtEmail" placeholder="E-mail" required />
  </div>
</div>
```

Alterar CadastroResponsivo.html

42

```
57 <div class="row">
58   <div class="col-25">
59     <label for="txtSenha">Senha</label>
60   </div>
61   <div class="col-75">
62     <input type="password" id="txtSenha" name="txtSenha" placeholder="Senha" required />
63   </div>
64 </div>
65
66 <div class="row">
67   <div class="col-25">
68     <input class="input" type="submit" value="Enviar" />
69   </div>
70 </div>
71 <div class="row">
72   <div class="col-25">
73     <input class="input" type="reset" value="Cancelar" />
74   </div>
75 </div>
76
77 </form>
78 </div>
79 </body>
80 </html>
```



https://localhost:44304/CadastroResponsivo.html

Cadastro Responsivo

Nome

Sobrenome

Gênero

☐ Masculino ☐ Feminino

E-mail

Senha

Enviar

Cancelar