

# TP 01

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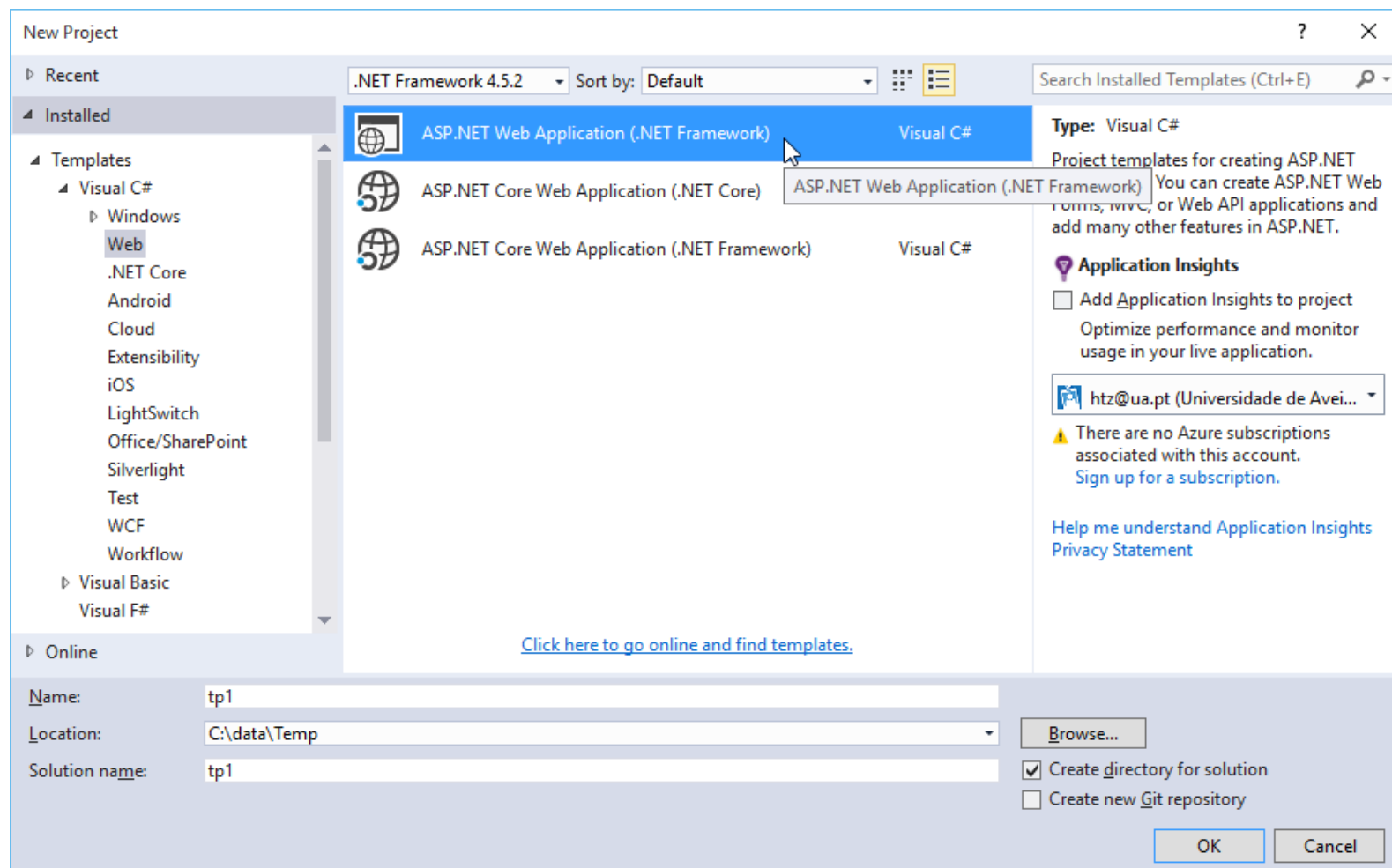
Engenharia de Dados e Conhecimento  
2016/2017

# Objetivo

- Familiarização com a ferramenta Visual Studio 2015 Enterprise
- Programação web (server side)
- Revisões sobre a utilização de bases de dados relacionais

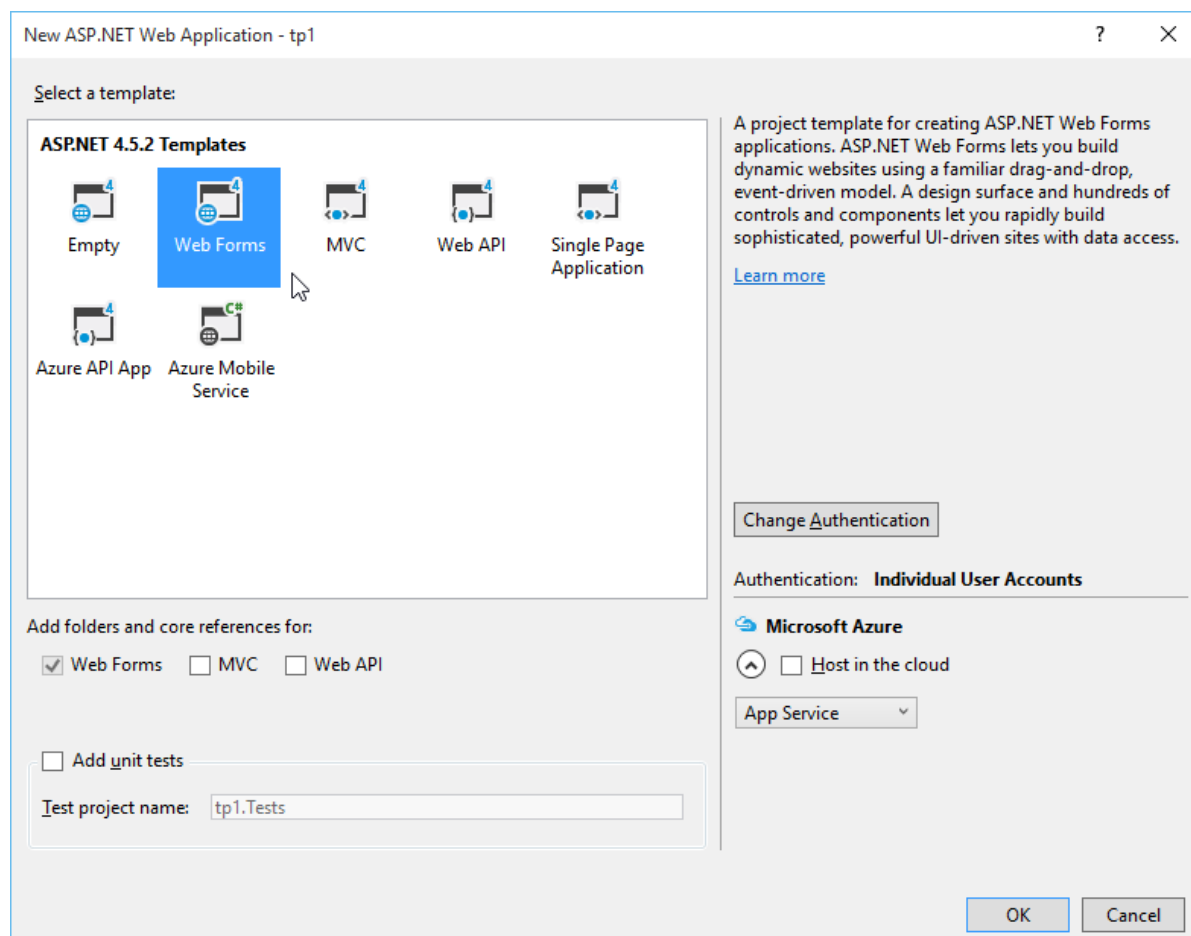
# Criação do Projeto

- File -> New Project



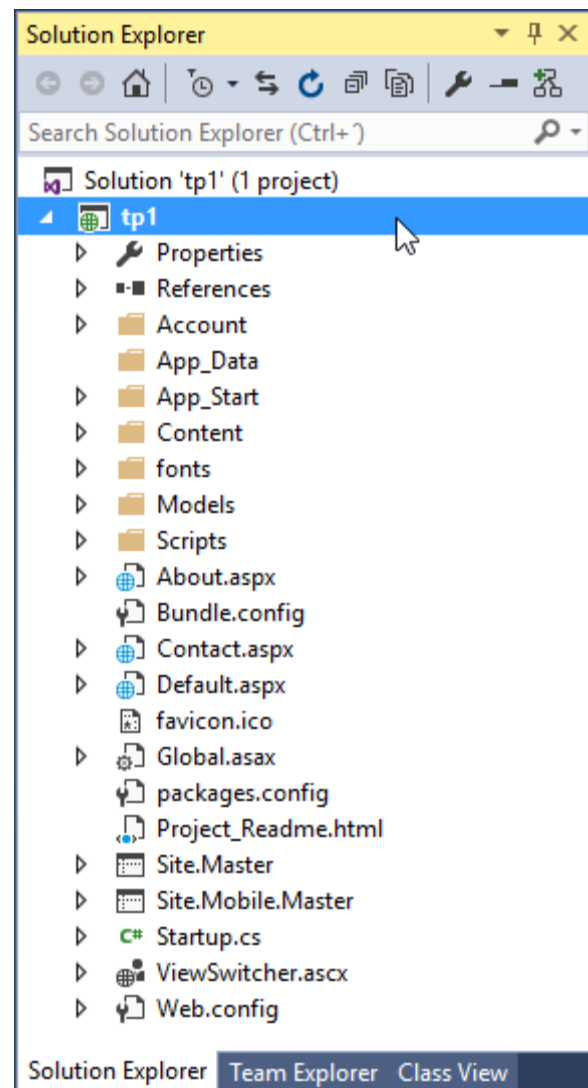
# Escolha do *Template* para o Projeto

- Template – Web Forms



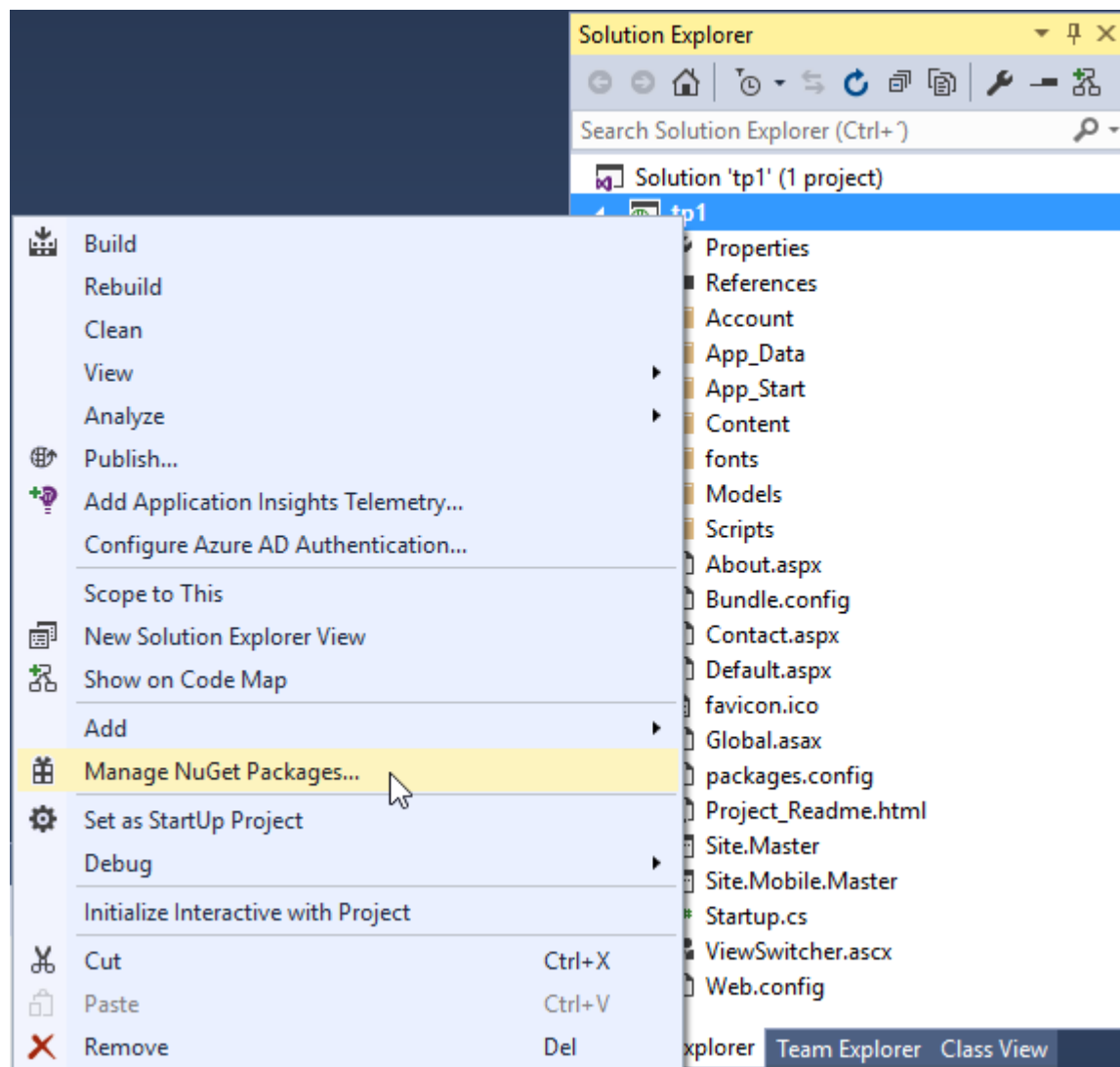
# Solution Explorer

- Gestão de todos os ficheiros do projeto.

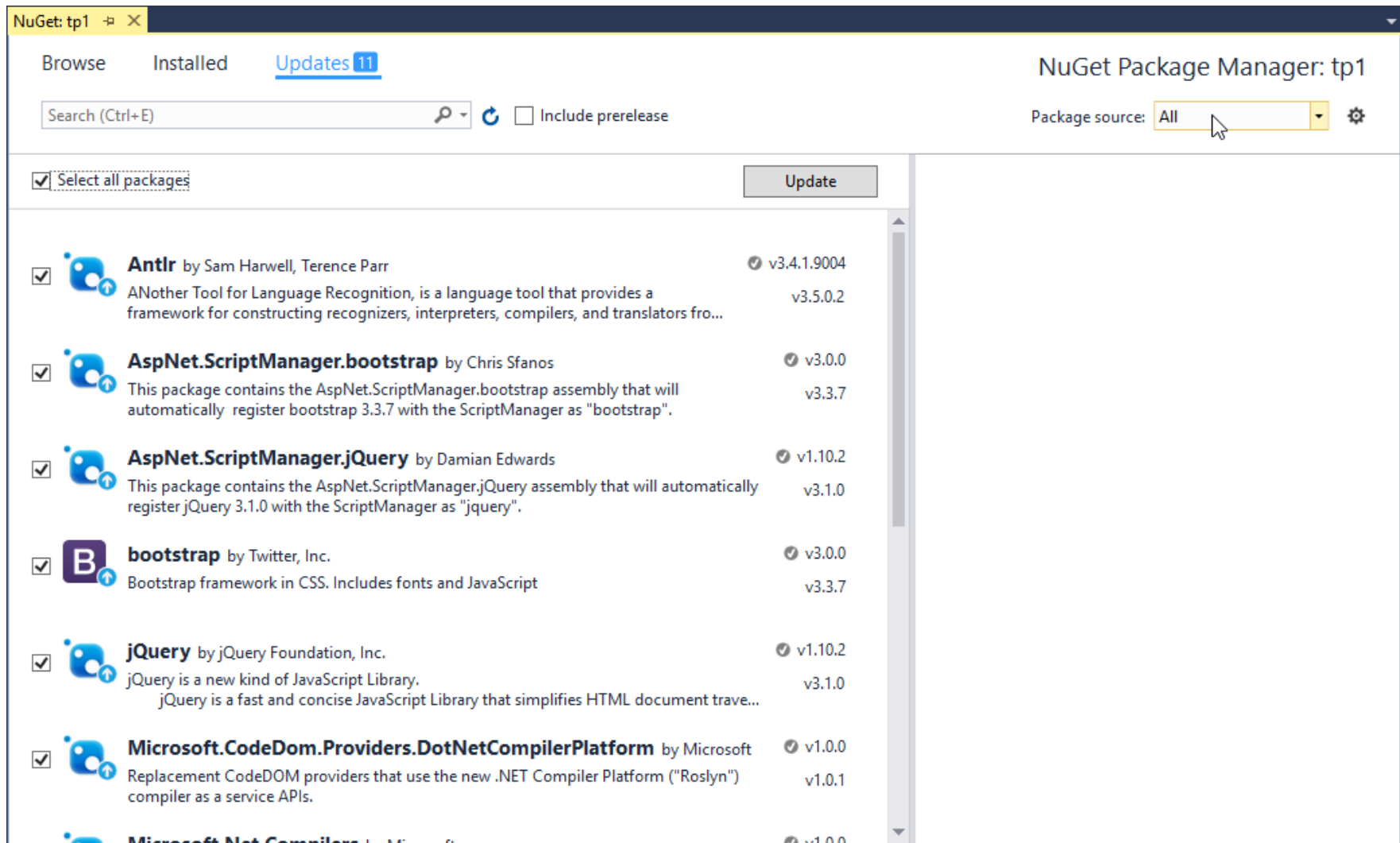


# Atualização do Projeto 1

- Botão direito do rato sobre o nome do projeto
- Selecionar “Manage NuGet Packages...”



# Atualização do Projeto 2



# Atualização do Projeto 3

- Instalação de pacotes
  - Instalação do pacote “FontAwesome”

The screenshot displays the NuGet Package Manager window for a project named 'tp1'. The 'Browse' tab is active, showing a search for 'font'. The 'FontAwesome' package by Dave Gandy is highlighted, showing 816K downloads and version v4.6.3. The package description is 'Font Awesome for Twitter Bootstrap - http://fontawesome.io'. The right pane shows the details for the 'FontAwesome' package, including the version 'Latest stable 4.6.3' and an 'Install' button, which is highlighted with a red dashed box. Below the version, there are 'Options', 'Description', 'Version: 4.6.3', and 'Author(s): Dave Gandy'.

NuGet: tp1

Browse Installed Updates

font x Include prerelease

NuGet Package Manager: tp1

Package source: All

FontAwesome

Version: Latest stable 4.6.3 Install

Options

Description

Iconic font designed for use with Twitter Bootstrap. Package Issues? Post them to <https://github.com/JustLikelcarus/Font-Awesome-NuGet/issues>

Version: 4.6.3

Author(s): Dave Gandy

FontAwesome by Dave Gandy, 816K downloads v4.6.3  
Font Awesome for Twitter Bootstrap - <http://fontawesome.io>

font-awesome by Dave Gandy, 114K downloads v4.6.1  
Font Awesome - The iconic font designed for Bootstrap

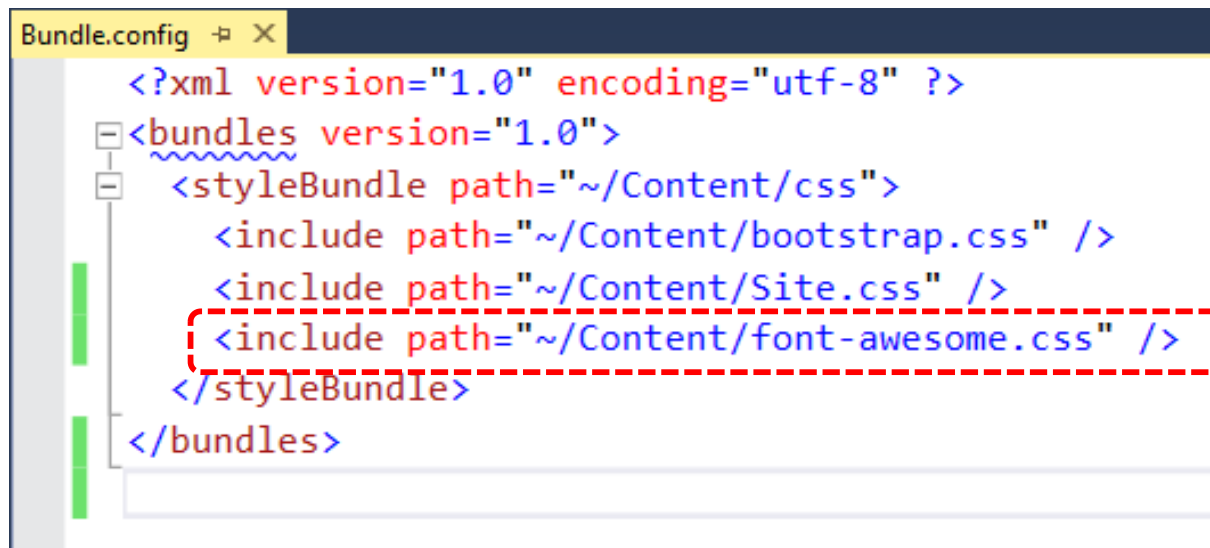
Font.Awesome by Dave Gandy, Tieson Trowbridge (NuGet package only), 47,9K downloads v4.6.3  
Font Awesome, the iconic font and CSS toolkit.

FontAwesomeToolkit by Dave Gandy, 10K downloads v4.6.3  
Font Awesome, the iconic font and css toolkit



# Atualização do Projeto 4

- Incluir a nova Font no projeto



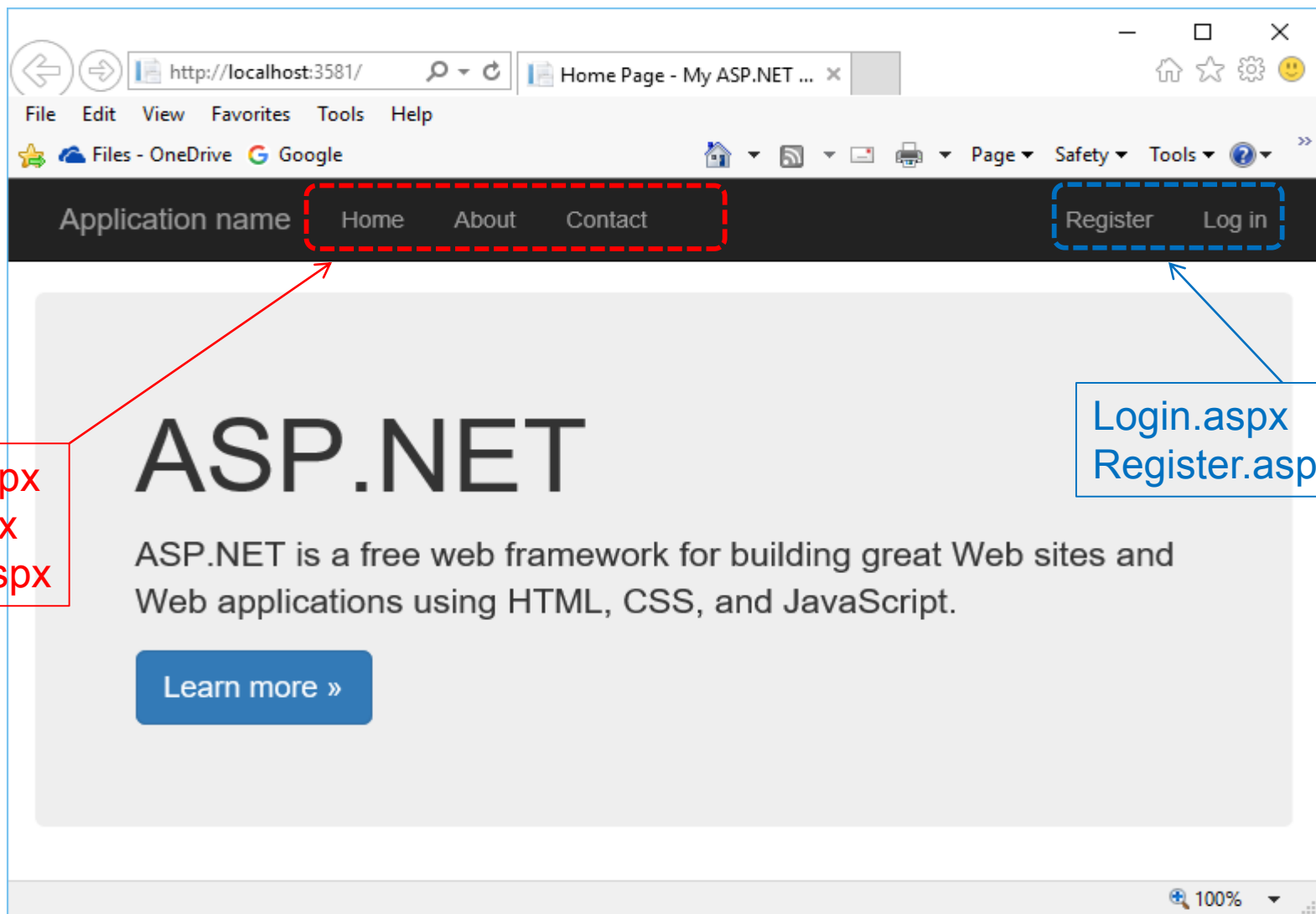
```
Bundle.config  ▸ ✕  
  
<?xml version="1.0" encoding="utf-8" ?>  
<bundles version="1.0">  
  <styleBundle path="~/Content/css">  
    <include path="~/Content/bootstrap.css" />  
    <include path="~/Content/Site.css" />  
    <include path="~/Content/font-awesome.css" />  
  </styleBundle>  
</bundles>
```

# Ficheiros Importantes

- Alguns dos ficheiros mais importantes com que trabalhar.

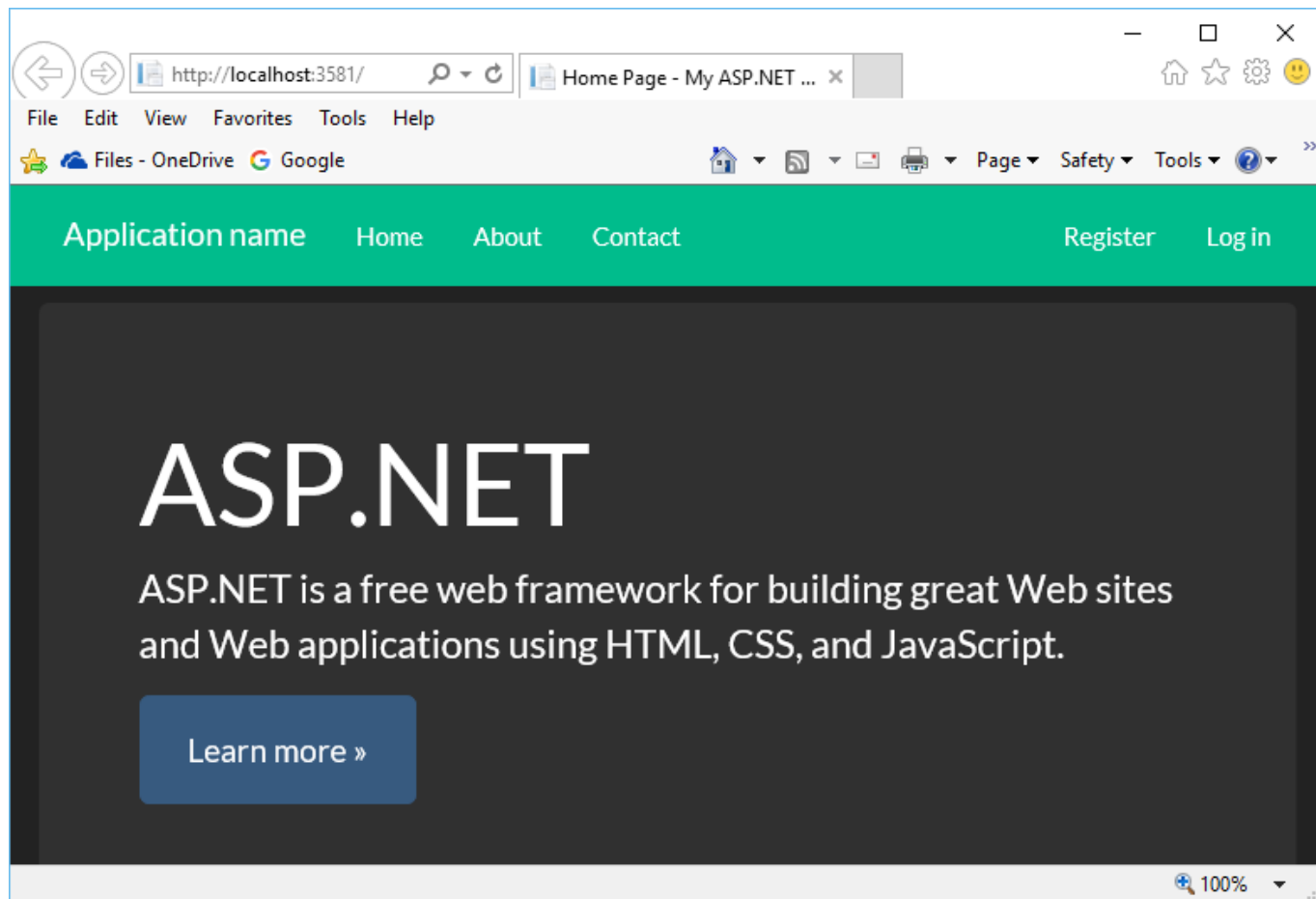
| File                | Purpose                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <i>Default.aspx</i> | Typically the first page displayed when the application is run in a browser.                                                           |
| <i>Site.Master</i>  | A page that allows you to create a consistent layout and use standard behavior for pages in your application.                          |
| <i>Global.asax</i>  | An optional file that contains code for responding to application-level and session-level events raised by ASP.NET or by HTTP modules. |
| <i>Web.config</i>   | The configuration data for an application.                                                                                             |

# Executar o Projeto (Ctrl+F5)

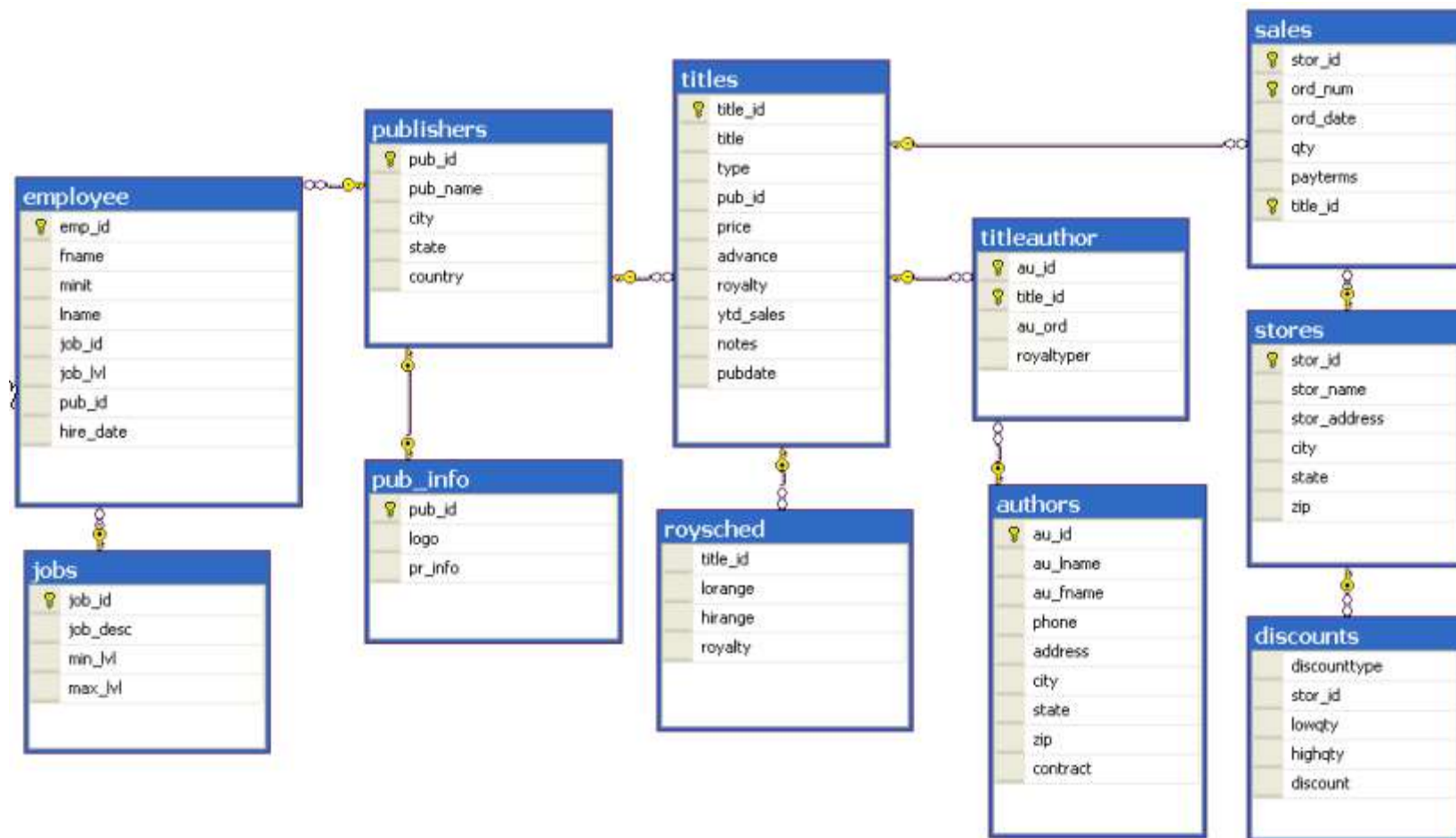


# Alteração do Layout

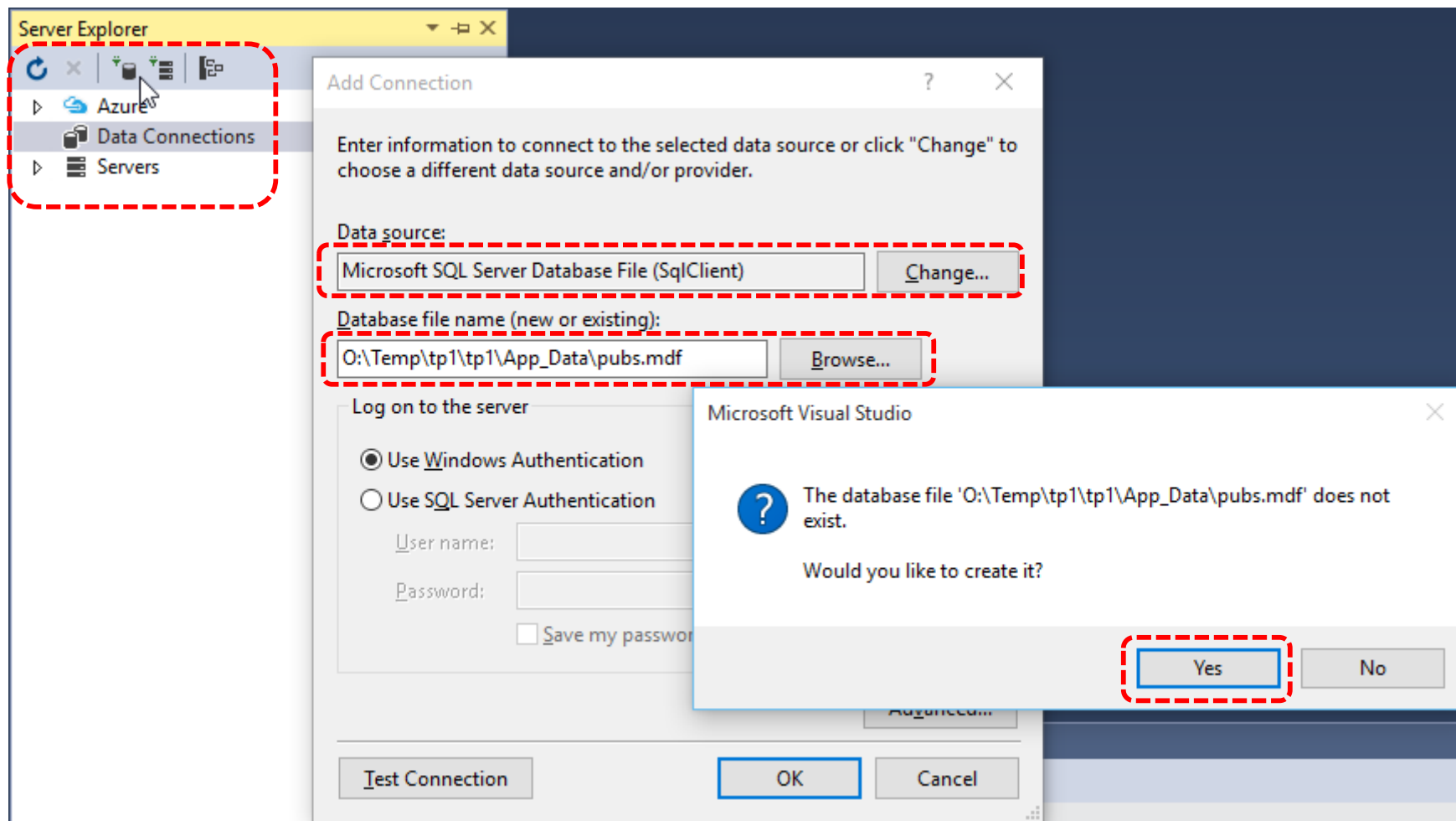
- Bootstrap Free Themes (<http://bootswatch.com/>)



# Criação da Base de Dados “pubs”

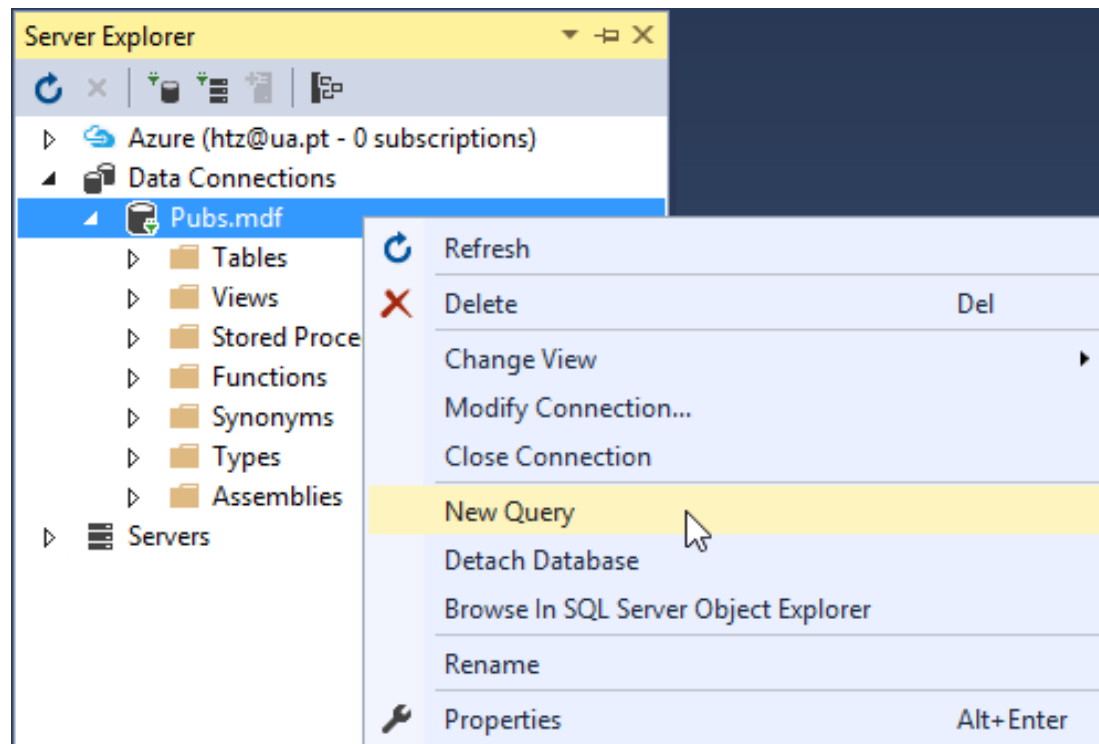


# Criação da Base de Dados “pubs” 1



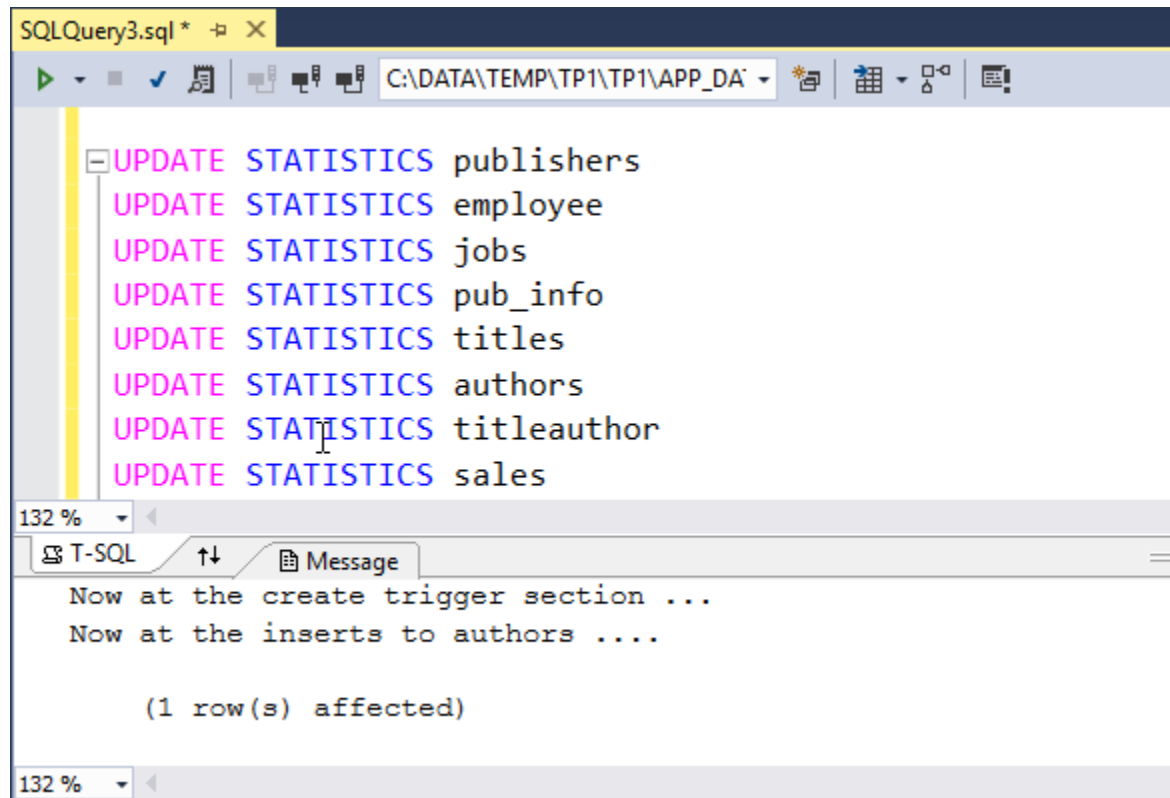
# Criação da Base de Dados “pubs” 2

- Clicar com o botão direito do rato em “Pubs.mdf” e seleccionar “New Query”



# Criação da Base de Dados “pubs” 3

- Copiar o script SQL contido no ficheiro “Pubs.sql” para a janela de script acabada de abrir e mandar executar o script.



```
SQLQuery3.sql * X
C:\DATA\TEMP\TP1\TP1\APP_DA

UPDATE STATISTICS publishers
UPDATE STATISTICS employee
UPDATE STATISTICS jobs
UPDATE STATISTICS pub_info
UPDATE STATISTICS titles
UPDATE STATISTICS authors
UPDATE STATISTICS titleauthor
UPDATE STATISTICS sales

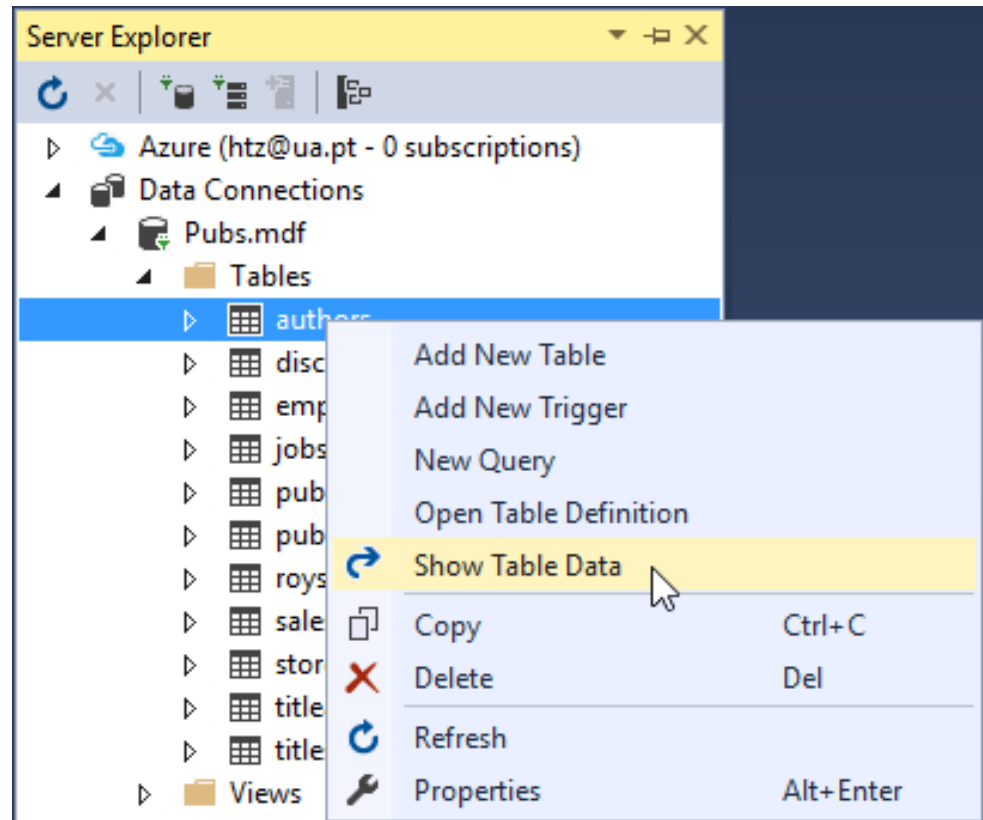
132 %
T-SQL Message
Now at the create trigger section ...
Now at the inserts to authors ....

(1 row(s) affected)
132 %
```



# Criação da Base de Dados “pubs” 4

- Abrir a tabela “authors” para ver os dados:
  - Clicar com o botão direito do rato em “authors” e seleccionar “Show Table Data”

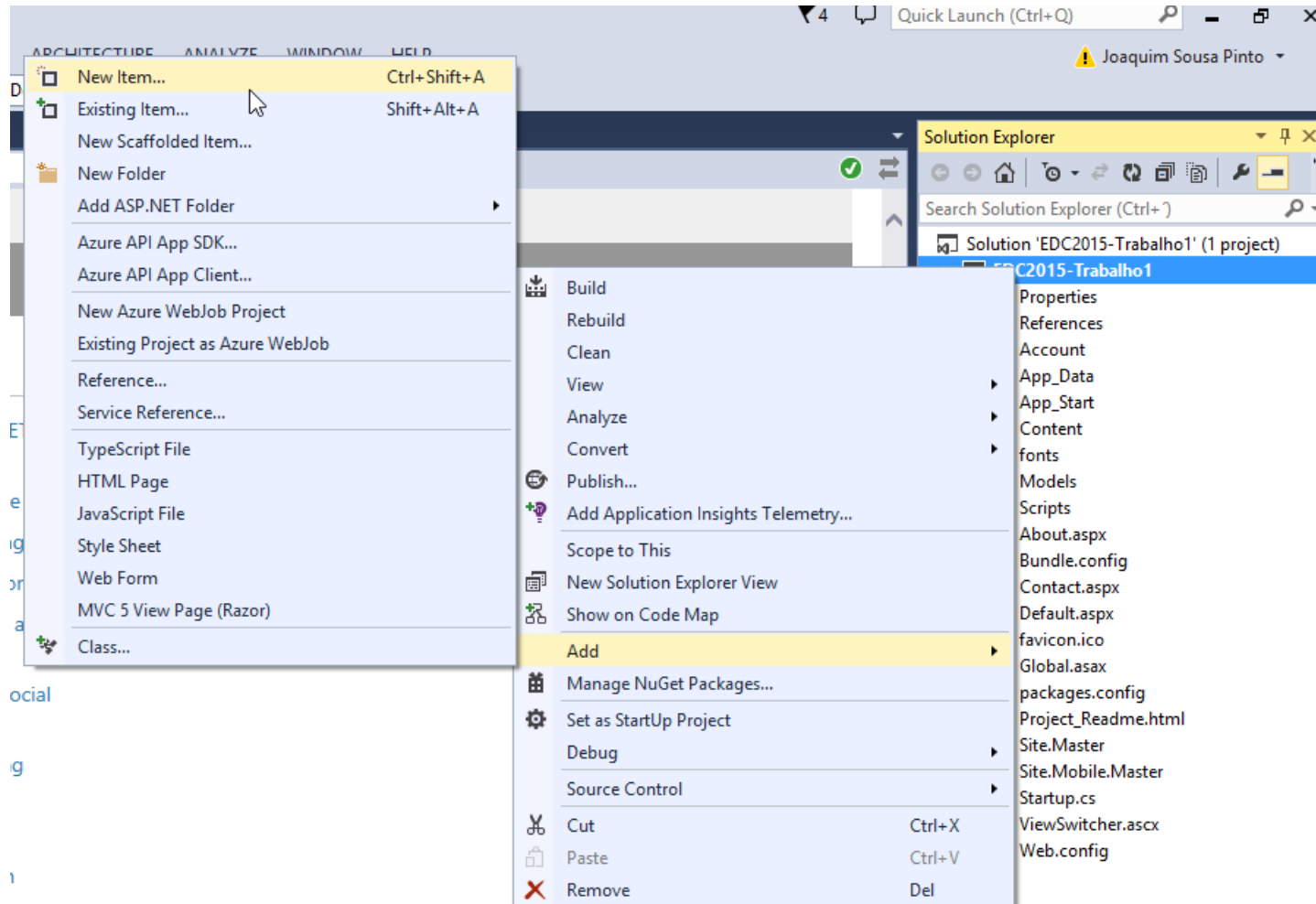


# Criação da Base de Dados “pubs” 5

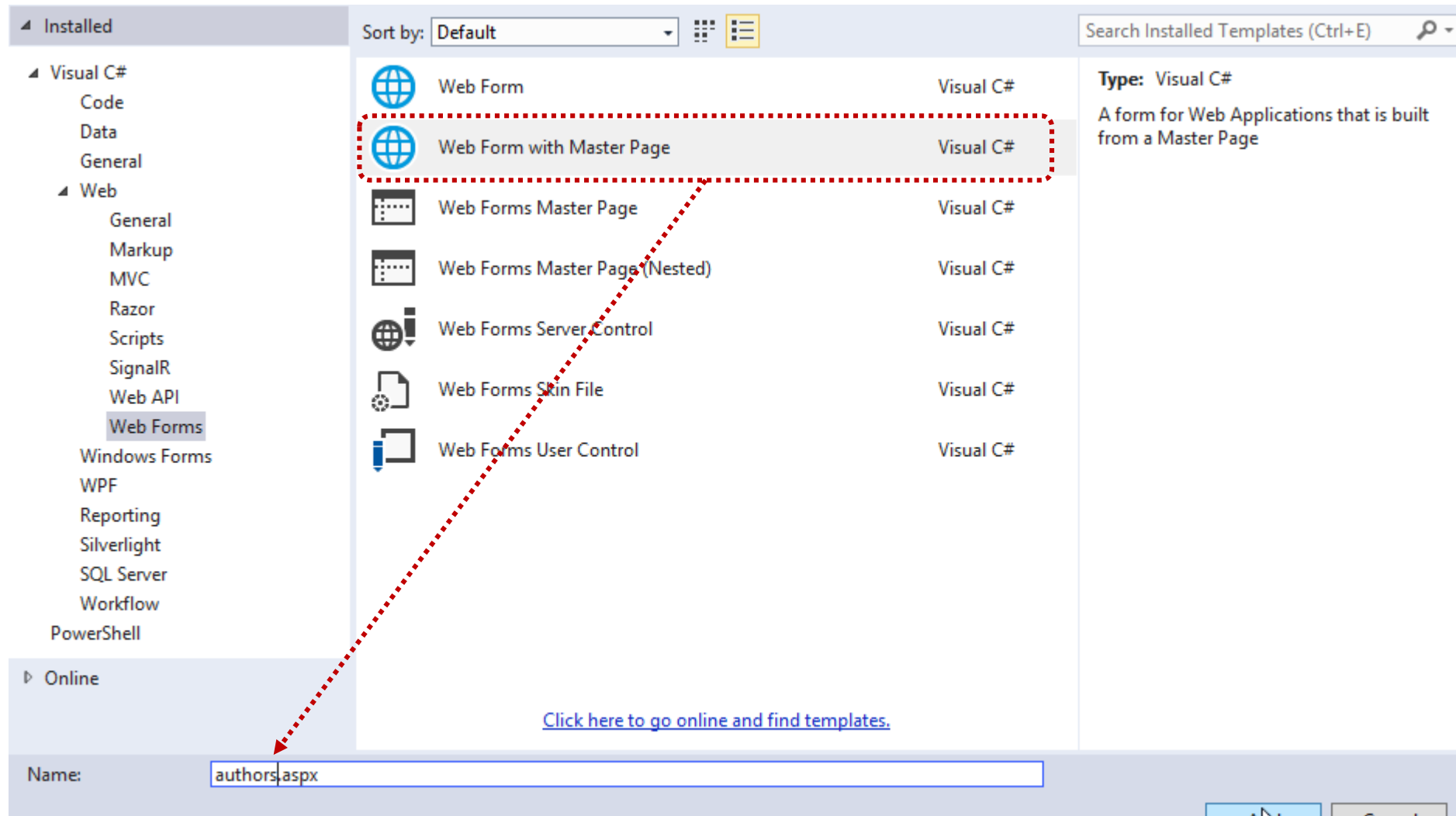
- Abrir a tabela “authors” para ver os dados:

|   | au_id       | au_lname        | au_fname    | phone        | address            | city          | state | zip   | contract |
|---|-------------|-----------------|-------------|--------------|--------------------|---------------|-------|-------|----------|
| ▶ | 172-32-1176 | White           | Johnson     | 408 496-7223 | 10932 Bigge Rd.    | Menlo Park    | CA    | 94025 | True     |
|   | 213-46-8915 | Green           | Marjorie    | 415 986-7020 | 309 63rd St. #411  | Oakland       | CA    | 94618 | True     |
|   | 238-95-7766 | Carson          | Cheryl      | 415 548-7723 | 589 Darwin Ln.     | Berkeley      | CA    | 94705 | True     |
|   | 267-41-2394 | O'Leary         | Michael     | 408 286-2428 | 22 Cleveland A...  | San Jose      | CA    | 95128 | True     |
|   | 274-80-9391 | Straight        | Dean        | 415 834-2919 | 5420 College Av.   | Oakland       | CA    | 94609 | True     |
|   | 341-22-1782 | Smith           | Meander     | 913 843-0462 | 10 Mississippi Dr. | Lawrence      | KS    | 66044 | False    |
|   | 409-56-7008 | Bennet          | Abraham     | 415 658-9932 | 6223 Bateman St.   | Berkeley      | CA    | 94705 | True     |
|   | 427-17-2319 | Dull            | Ann         | 415 836-7128 | 3410 Blonde St.    | Palo Alto     | CA    | 94301 | True     |
|   | 472-27-2349 | Gringlesby      | Burt        | 707 938-6445 | PO Box 792         | Covelo        | CA    | 95428 | True     |
|   | 486-29-1786 | Locksley        | Charlene    | 415 585-4620 | 18 Broadway Av.    | San Francisco | CA    | 94130 | True     |
|   | 527-72-3246 | Greene          | Morningstar | 615 297-2723 | 22 Graybar Hou...  | Nashville     | TN    | 37215 | False    |
|   | 648-92-1872 | Blotchett-Halls | Reginald    | 503 745-6402 | 55 Hillsdale Bl.   | Corvallis     | OR    | 97330 | True     |
|   | 672-71-3249 | Yokomoto        | Akiko       | 415 935-4228 | 3 Silver Ct.       | Walnut Creek  | CA    | 94595 | True     |
|   | 712-45-1867 | del Castillo    | Innes       | 615 996-8275 | 2286 Cram Pl. #... | Ann Arbor     | MI    | 48105 | True     |
|   | 722-51-5454 | DeFrance        | Michel      | 219 547-9982 | 3 Balding Pl.      | Gary          | IN    | 46403 | True     |
|   | 724-08-9931 | Stringer        | Dirk        | 415 843-2991 | 5420 Telegraph ... | Oakland       | CA    | 94609 | False    |

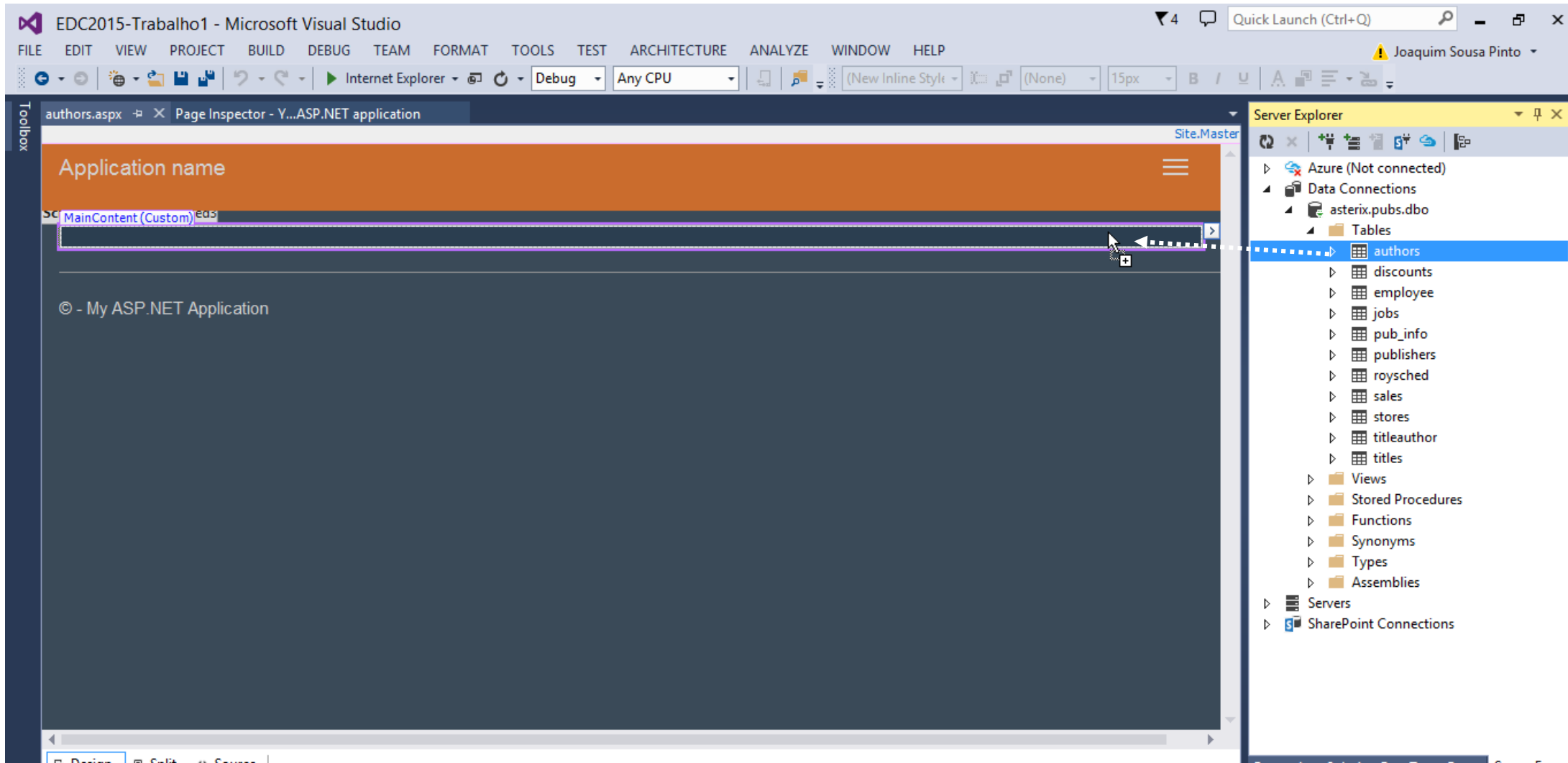
# Criação da página authors.aspx



# Criação da página authors.aspx



# Inserção dos dados na página



# Configuração da tabela

The screenshot shows the Visual Studio IDE with the following components:

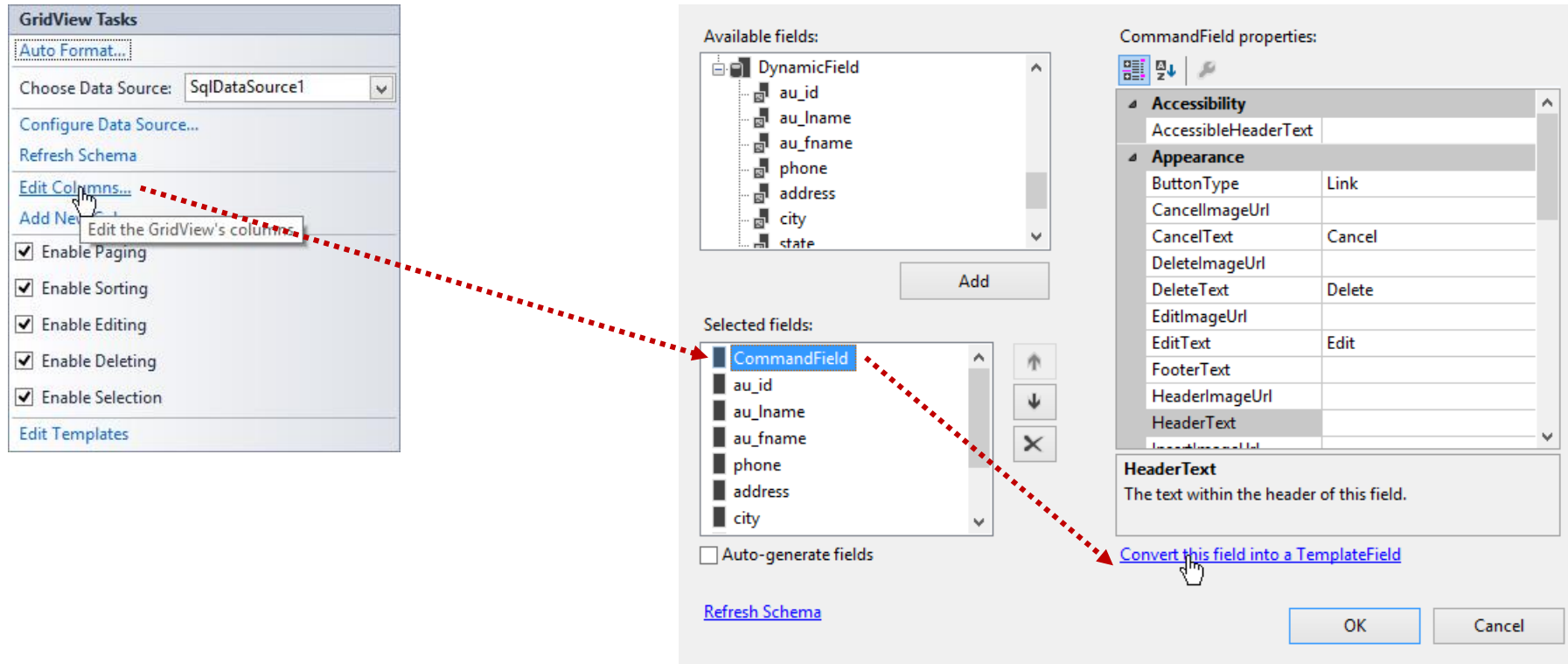
- Top Menu Bar:** FILE, EDIT, VIEW, PROJECT, BUILD, DEBUG, TEAM, FORMAT, TABLE, TOOLS, TEST, ARCHITECTURE, ANALYZE, WINDOW, HELP.
- Toolbar:** Includes buttons for undo, redo, save, and other standard IDE functions. The status bar shows 'table, .table (box)' and '12px'.
- Toolbox:** Located on the left, showing the 'asp:GridView#GridView1' control.
- Main Design View:** Displays a web application with an orange header bar labeled 'Application name'. Below it is a table with columns: au\_id, au\_fname, au\_lname, phone, address, city, state, zip, and contract. The table contains 5 rows of dummy data. A context menu is open over the table, showing options like 'Auto Format...', 'Choose Data Source: SqlDataSource1', 'Refresh Schema', 'Edit Columns...', 'Add New Column...', 'Enable Paging', 'Enable Sorting', 'Enable Editing', 'Enable Deleting', and 'Enable Selection' (which is checked). Below the table is a 'SqlDataSource - SqlDataSource1' control.
- Server Explorer:** Located on the right, showing a tree view with 'Azure (Not connected)', 'Data Connections', 'pubsConnectionString1 (EDC2015-Trab)', 'Servers', and 'SharePoint Connections'.

# Configuração da tabela

The screenshot shows the Microsoft Visual Studio IDE with the following components:

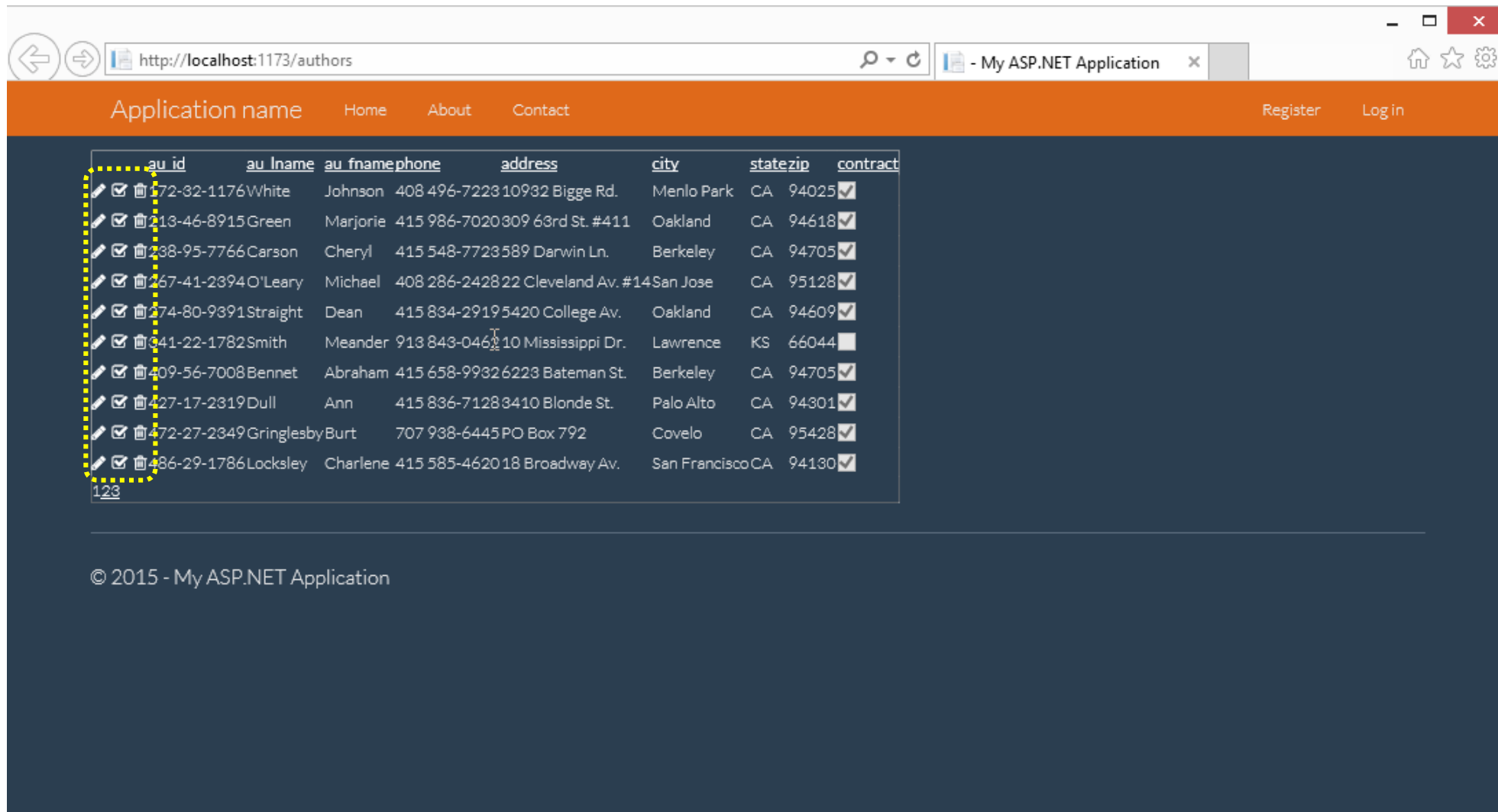
- Menu Bar:** FILE, EDIT, VIEW, PROJECT, BUILD, DEBUG, TEAM, FORMAT, TABLE, TOOLS, TEST, ARCHITECTURE, ANALYZE, WINDOW, HELP.
- Toolbar:** Includes buttons for navigation, execution, and debugging. The status bar shows 'Internet Explorer', 'Debug', and 'Any CPU'.
- Toolbox:** Located on the left, showing 'asp:GridView#GridView1' selected.
- Main Window:** Displays the 'authors.aspx' file. It features an orange header bar with the text 'Application name'. Below the header is a table with the following columns: 'au\_id', 'au\_fname', 'phone', 'address', 'city', 'state', 'zip', and 'contract'. The table contains 10 rows of data, each with a 'Select', 'Edit', and 'Delete' link. The 'contract' column contains checkboxes, some of which are checked. Below the table is a 'SqlDataSource - SqlDataSource1' control.
- Server Explorer:** Located on the right, showing the 'Data Connections' section. It lists 'pubsConnectionString1 (EDC2015-Trab)' as the selected connection.

# Configuração da representação da informação





# Alteração dos botões de comando

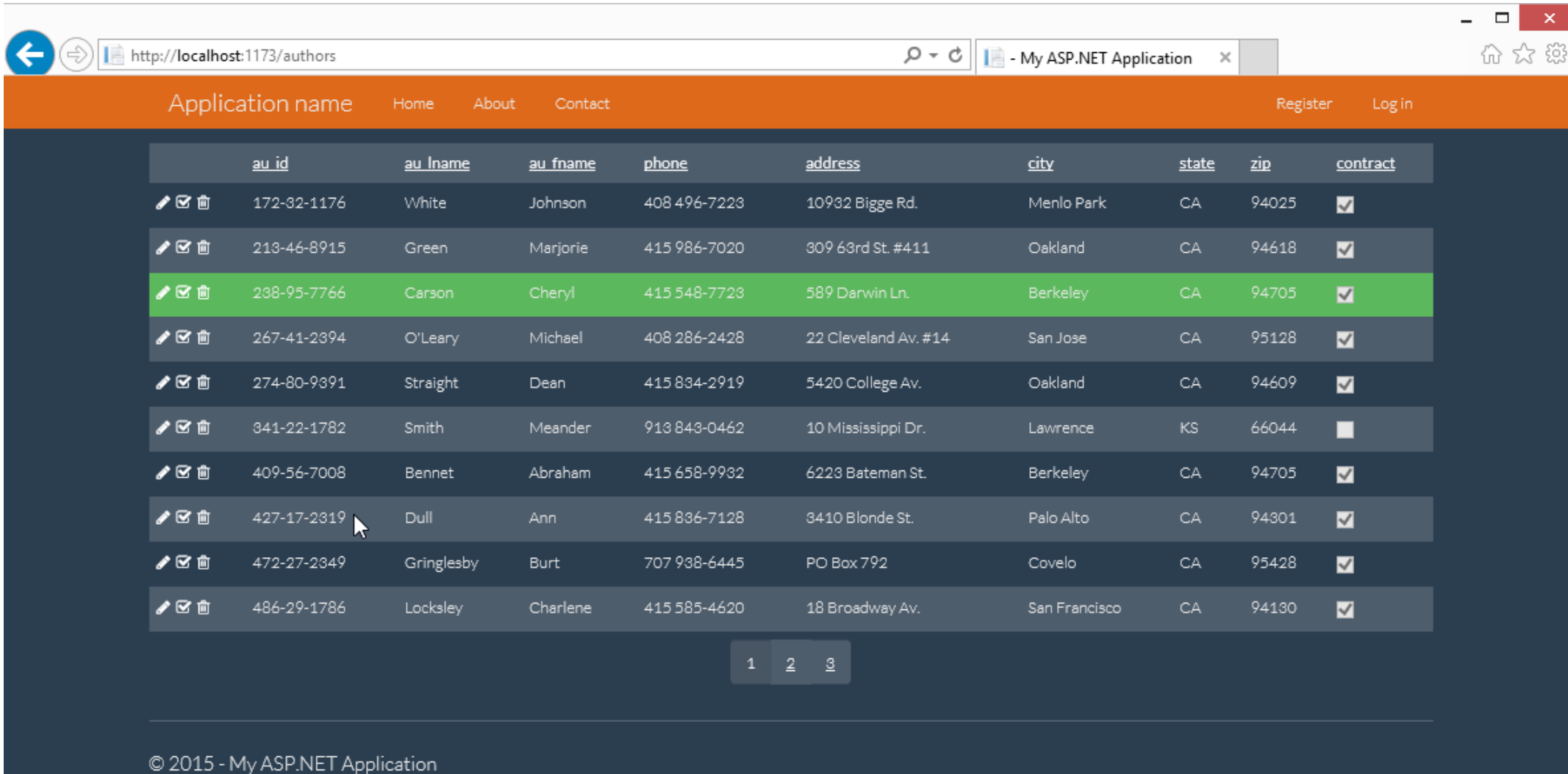


The screenshot shows a web browser window displaying a web application. The address bar shows `http://localhost:1173/authors`. The application has an orange header bar with navigation links: "Application name", "Home", "About", "Contact", "Register", and "Log in". Below the header is a table of authors. The first column, `au_id`, is highlighted with a yellow dashed box. Each row in the table has a pencil icon (edit) and a trash can icon (delete) next to the `au_id` value. The table data is as follows:































| <code>au_id</code> | <code>au_lname</code> | <code>au_fname</code> | <code>phone</code> | <code>address</code> | <code>city</code> | <code>state</code> | <code>zip</code> | <code>contract</code> |
|--------------------|-----------------------|-----------------------|--------------------|----------------------|-------------------|--------------------|------------------|-----------------------|
| 172-32-1176        | White                 | Johnson               | 408 496-7223       | 10932 Bigge Rd.      | Menlo Park        | CA                 | 94025            | ✓                     |
| 113-46-8915        | Green                 | Marjorie              | 415 986-7020       | 309 63rd St. #411    | Oakland           | CA                 | 94618            | ✓                     |
| 138-95-7766        | Carson                | Cheryl                | 415 548-7723       | 589 Darwin Ln.       | Berkeley          | CA                 | 94705            | ✓                     |
| 167-41-2394        | O'Leary               | Michael               | 408 286-2428       | 22 Cleveland Av. #14 | San Jose          | CA                 | 95128            | ✓                     |
| 174-80-9391        | Straight              | Dean                  | 415 834-2919       | 5420 College Av.     | Oakland           | CA                 | 94609            | ✓                     |
| 141-22-1782        | Smith                 | Meander               | 913 843-0463       | 10 Mississippi Dr.   | Lawrence          | KS                 | 66044            | ✗                     |
| 109-56-7008        | Bennet                | Abraham               | 415 658-9932       | 6223 Bateman St.     | Berkeley          | CA                 | 94705            | ✓                     |
| 127-17-2319        | Dull                  | Ann                   | 415 836-7128       | 3410 Blonde St.      | Palo Alto         | CA                 | 94301            | ✓                     |
| 172-27-2349        | Gringlesby            | Burt                  | 707 938-6445       | PO Box 792           | Covelo            | CA                 | 95428            | ✓                     |
| 186-29-1786        | Locksley              | Charlene              | 415 585-4620       | 18 Broadway Av.      | San Francisco     | CA                 | 94130            | ✓                     |

Below the table is a pagination control showing "123". At the bottom of the page, the copyright notice "© 2015 - My ASP.NET Application" is displayed.

# Alteração da imagem geral e dos botões de paginação (bootstrap style)



The screenshot displays a web application interface with a navigation bar and a table of authors. The navigation bar includes links for Home, About, Contact, Register, and Login. The table lists authors with their details, and the third row is highlighted in green. The pagination shows 1, 2, 3 pages.

|                                                                                                                                                                                                                                                             | <u>au_id</u> | <u>au_lname</u> | <u>au_fname</u> | <u>phone</u> | <u>address</u>       | <u>city</u>   | <u>state</u> | <u>zip</u> | <u>contract</u>                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------|-----------------|--------------|----------------------|---------------|--------------|------------|-------------------------------------|
|          | 172-32-1176  | White           | Johnson         | 408 496-7223 | 10932 Bigge Rd.      | Menlo Park    | CA           | 94025      | <input checked="" type="checkbox"/> |
|          | 213-46-8915  | Green           | Marjorie        | 415 986-7020 | 309 63rd St. #411    | Oakland       | CA           | 94618      | <input checked="" type="checkbox"/> |
|          | 238-95-7766  | Carson          | Cheryl          | 415 548-7723 | 589 Darwin Ln.       | Berkeley      | CA           | 94705      | <input checked="" type="checkbox"/> |
|          | 267-41-2394  | O'Leary         | Michael         | 408 286-2428 | 22 Cleveland Av. #14 | San Jose      | CA           | 95128      | <input checked="" type="checkbox"/> |
|          | 274-80-9391  | Straight        | Dean            | 415 834-2919 | 5420 College Av.     | Oakland       | CA           | 94609      | <input checked="" type="checkbox"/> |
|          | 341-22-1782  | Smith           | Meander         | 913 843-0462 | 10 Mississippi Dr.   | Lawrence      | KS           | 66044      | <input type="checkbox"/>            |
|          | 409-56-7008  | Bennet          | Abraham         | 415 658-9932 | 6223 Bateman St.     | Berkeley      | CA           | 94705      | <input checked="" type="checkbox"/> |
|    | 427-17-2319  | Dull            | Ann             | 415 836-7128 | 3410 Blonde St.      | Palo Alto     | CA           | 94301      | <input checked="" type="checkbox"/> |
|    | 472-27-2349  | Gringlesby      | Burt            | 707 938-6445 | PO Box 792           | Covelo        | CA           | 95428      | <input checked="" type="checkbox"/> |
|    | 486-29-1786  | Locksley        | Charlene        | 415 585-4620 | 18 Broadway Av.      | San Francisco | CA           | 94130      | <input checked="" type="checkbox"/> |

1 2 3

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# A grelha em “modo de edição”

http://localhost:1173/authors

- My ASP.NET Application

Application name

Home

About

Contact

Register

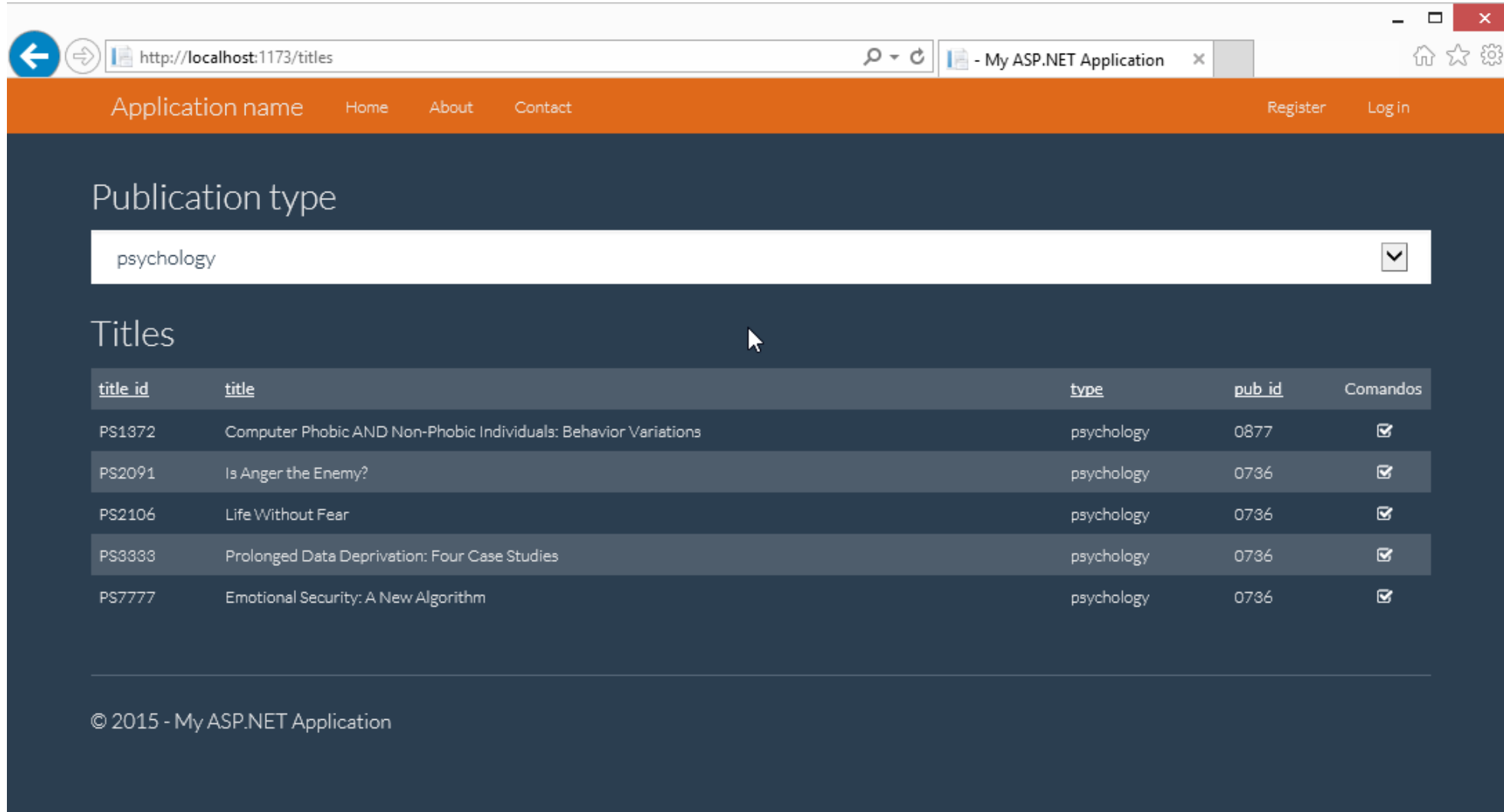
Log in

|                                                                    | <u>au_id</u>      | <u>au_lname</u>   | <u>au_fname</u>         | <u>phone</u>              | <u>address</u>      | <u>city</u>   | <u>state</u>     | <u>zip</u> |
|--------------------------------------------------------------------|-------------------|-------------------|-------------------------|---------------------------|---------------------|---------------|------------------|------------|
| <div><div></div><div>172-</div><div>32-</div><div>1176</div></div> | White             | Johnson           | 408 496-7228            | 10932 Bigge Rd.           | Menlo Park          | CA            | 94025            |            |
| <div><div></div><div>213-</div><div>46-</div><div>8915</div></div> | Green             | Marjorie          | 415 986-7020            | 309 63rd St. #411         | Oakland             | CA            | 94618            |            |
| <div><div></div><div>238-</div><div>95-</div><div>7766</div></div> | <div>Carson</div> | <div>Cheryl</div> | <div>415 548-7723</div> | <div>589 Darwin Ln.</div> | <div>Berkeley</div> | <div>CA</div> | <div>94705</div> |            |
| <div><div></div><div>267-</div><div>41-</div><div>2394</div></div> | O'Leary           | Michael           | 408 286-2428            | 22 Cleveland Av. #14      | San Jose            | CA            | 95128            |            |
| <div><div></div><div>274-</div><div>80-</div><div>9391</div></div> | Straight          | Dean              | 415 834-2919            | 5420 College Av.          | Oakland             | CA            | 94609            |            |
| <div><div></div><div>341-</div><div>22-</div><div>1782</div></div> | Smith             | Meander           | 913 843-0462            | 10 Mississippi Dr.        | Lawrence            | KS            | 66044            |            |
| <div><div></div><div>409-</div><div>56-</div><div>7008</div></div> | Bennet            | Abraham           | 415 658-9932            | 6223 Bateman St.          | Berkeley            | CA            | 94705            |            |

# Tarefa

- Crie uma nova página que mostre a lista de livros da base de dados;
  - Retire da listagem os campos: price, advance, royalty, ytd\_sales, notes & pubdate
  - Coloque, fora da lista de publicações, um filtro que mostre apenas os livros desse tipo;
  - Adicione uma DetailsView para ver os detalhes completos de uma publicação.
- Crie uma nova página, “UserManager.aspx” que será responsável pela gestão de utilizadores;
  - Esta página só será visível quando um utilizador estiver autenticado.

# Look & Feel da lista de títulos filtrada (atenção aos estilos!)



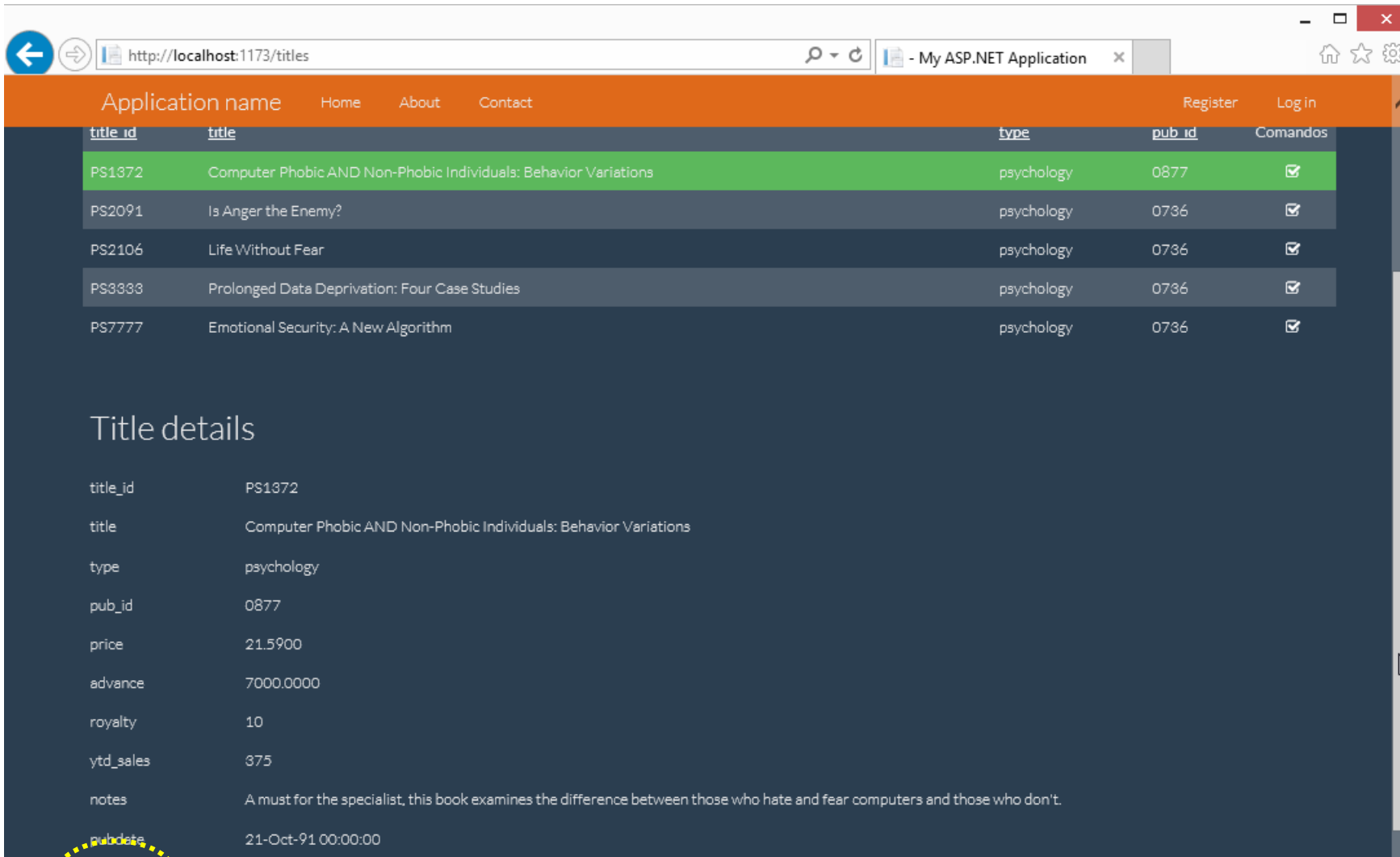
The screenshot shows a web browser window with the address bar displaying `http://localhost:1173/titles`. The browser tab is titled "My ASP.NET Application". The application has an orange navigation bar with links for "Application name", "Home", "About", "Contact", "Register", and "Log in". Below the navigation bar, there is a section titled "Publication type" with a search input field containing the text "psychology". Below this, there is a section titled "Titles" which displays a table of filtered results. The table has five columns: "title\_id", "title", "type", "pub\_id", and "Comandos". The table contains five rows of data, all with "psychology" as the type. At the bottom of the page, there is a copyright notice: "© 2015 - My ASP.NET Application".

| title_id | title                                                           | type       | pub_id | Comandos                            |
|----------|-----------------------------------------------------------------|------------|--------|-------------------------------------|
| PS1372   | Computer Phobic AND Non-Phobic Individuals: Behavior Variations | psychology | 0877   | <input checked="" type="checkbox"/> |
| PS2091   | Is Anger the Enemy?                                             | psychology | 0736   | <input checked="" type="checkbox"/> |
| PS2106   | Life Without Fear                                               | psychology | 0736   | <input checked="" type="checkbox"/> |
| PS3333   | Prolonged Data Deprivation: Four Case Studies                   | psychology | 0736   | <input checked="" type="checkbox"/> |
| PS7777   | Emotional Security: A New Algorithm                             | psychology | 0736   | <input checked="" type="checkbox"/> |

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# Look & Feel da seleção de um título

(Atenção aos estilos!)



The screenshot shows a web application running on a browser at `http://localhost:1173/titles`. The application has an orange header bar with navigation links: "Application name", "Home", "About", "Contact", "Register", and "Log in". Below the header is a table listing titles. The first row is highlighted in green, indicating it is the selected title. Below the table, there is a section titled "Title details" showing the attributes of the selected title.

| title_id | title                                                           | type       | pub_id | Comandos                            |
|----------|-----------------------------------------------------------------|------------|--------|-------------------------------------|
| PS1372   | Computer Phobic AND Non-Phobic Individuals: Behavior Variations | psychology | 0877   | <input checked="" type="checkbox"/> |
| PS2091   | Is Anger the Enemy?                                             | psychology | 0736   | <input checked="" type="checkbox"/> |
| PS2106   | Life Without Fear                                               | psychology | 0736   | <input checked="" type="checkbox"/> |
| PS3333   | Prolonged Data Deprivation: Four Case Studies                   | psychology | 0736   | <input checked="" type="checkbox"/> |
| PS7777   | Emotional Security: A New Algorithm                             | psychology | 0736   | <input checked="" type="checkbox"/> |

| Title details |                                                                                                                             |
|---------------|-----------------------------------------------------------------------------------------------------------------------------|
| title_id      | PS1372                                                                                                                      |
| title         | Computer Phobic AND Non-Phobic Individuals: Behavior Variations                                                             |
| type          | psychology                                                                                                                  |
| pub_id        | 0877                                                                                                                        |
| price         | 21.5900                                                                                                                     |
| advance       | 7000.0000                                                                                                                   |
| royalty       | 10                                                                                                                          |
| ytd_sales     | 375                                                                                                                         |
| notes         | A must for the specialist, this book examines the difference between those who hate and fear computers and those who don't. |
| pubdate       | 21-Oct-91 00:00:00                                                                                                          |

# Look & Feel da edição de um título

(muuuuuta atenção aos estilos e aos tipos dos campos!)

Application name Home About Contact Register Log in

## Title details

|           |                                                                                                                             |
|-----------|-----------------------------------------------------------------------------------------------------------------------------|
| title_id  | PS1372                                                                                                                      |
| title     | Computer Phobic AND Non-Phobic Inc                                                                                          |
| type      | psychology                                                                                                                  |
| pub_id    | 0877                                                                                                                        |
| price     | 21.5900                                                                                                                     |
| advance   | 7000.0000                                                                                                                   |
| royalty   | 10                                                                                                                          |
| ytd_sales | 375                                                                                                                         |
| notes     | A must for the specialist, this book examines the difference between those who hate and fear computers and those who don't. |
| pubdate   | 21-Oct-91 00:00:00                                                                                                          |

# Tarefa

- Crie uma nova página, “UserManager.aspx” que será responsável pela gestão de utilizadores;
  - Esta página só será visível quando um utilizador estiver autenticado.

**Pergunta:** e onde está a base de dados de utilizadores?????

- Simples...: no diretório “App\_Data” num ficheiro com o nome+data&hora de criação do projeto.
  - Exemplo: “aspnet-EDC2015-Trabalho1-20150922113816”



# Links interessantes...

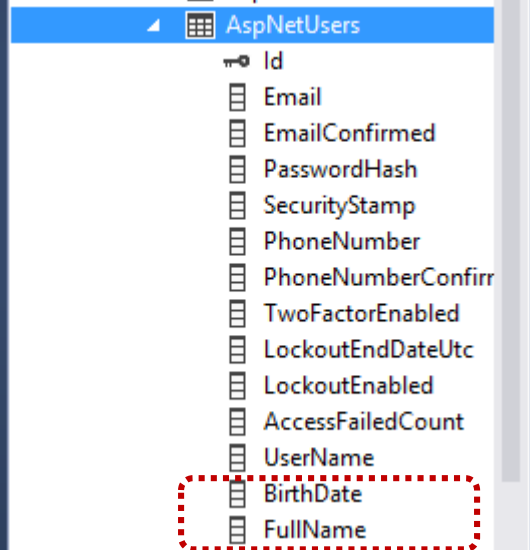


- Erik Reitan, “Create a secure ASP.NET Web Forms app with user registration, email confirmation and password reset (C#)”, October 2, 2014, <http://www.asp.net/web-forms/overview/security/create-a-secure-aspnet-web-forms-app-with-user-registration,-email-confirmation-and-password-reset>
- Erik Reitan, “Membership and Administration”, September 8, 2014, <http://www.asp.net/web-forms/overview/getting-started/getting-started-with-aspnet-45-web-forms/membership-and-administration>

O sistema de gestão de utilizadores possui diversos campos pré-definidos sendo possível acrescentar-lhe outros ou mudar o conteúdo atual dos existentes.

# Tarefa

- Adicionar novos campos ao profile
  - FullName, BirthDate

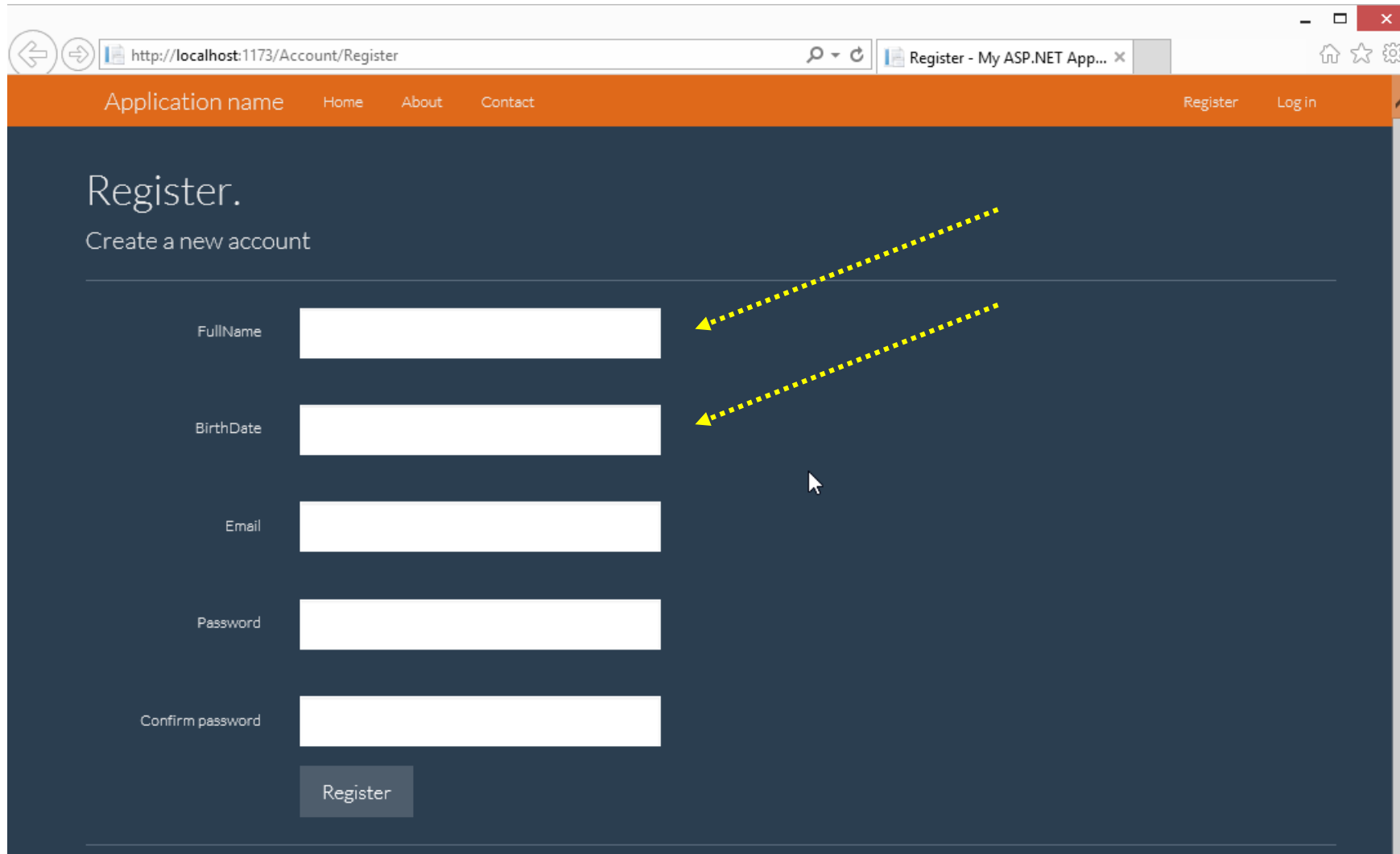


| Id                   |
|----------------------|
| Email                |
| EmailConfirmed       |
| PasswordHash         |
| SecurityStamp        |
| PhoneNumber          |
| PhoneNumberConfirmed |
| TwoFactorEnabled     |
| LockoutEndDateUtc    |
| LockoutEnabled       |
| AccessFailedCount    |
| UserName             |
| BirthDate            |
| FullName             |

# Ajuda

- Realize o tutorial sugerido que indica como fazer a inserção do campo BirthDate no profile.
- Pranav Rastogi, “Customizing profile information in ASP.NET Identity in VS 2013 templates”,  
<http://blogs.msdn.com/b/webdev/archive/2013/10/16/customizing-profile-information-in-asp-net-identity-in-vs-2013-templates.aspx>

# O formulário Account/Register.aspx



The screenshot shows a web browser window with the URL `http://localhost:1173/Account/Register`. The page has an orange header bar with navigation links: "Application name", "Home", "About", "Contact", "Register", and "Log in". The main content area is dark blue and contains the heading "Register." followed by the subtext "Create a new account". Below this is a registration form with five input fields: "FullName", "BirthDate", "Email", "Password", and "Confirm password". A "Register" button is located at the bottom of the form. Two yellow dotted arrows point from the right side of the form towards the top right corner of the browser window.

Application name Home About Contact Register Log in

## Register.

Create a new account

FullName

BirthDate

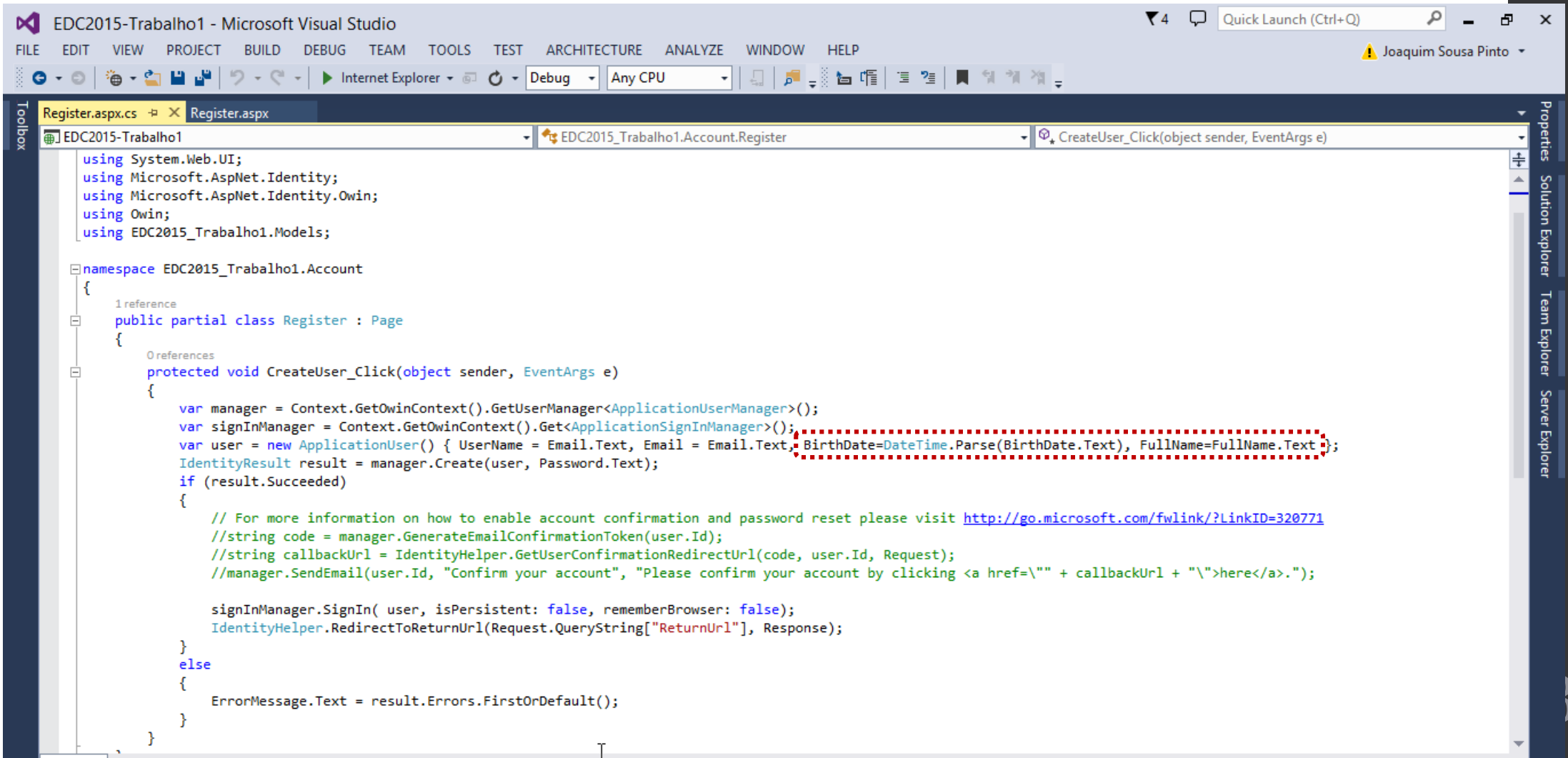
Email

Password

Confirm password

Register

# Account/Register.aspx.cs

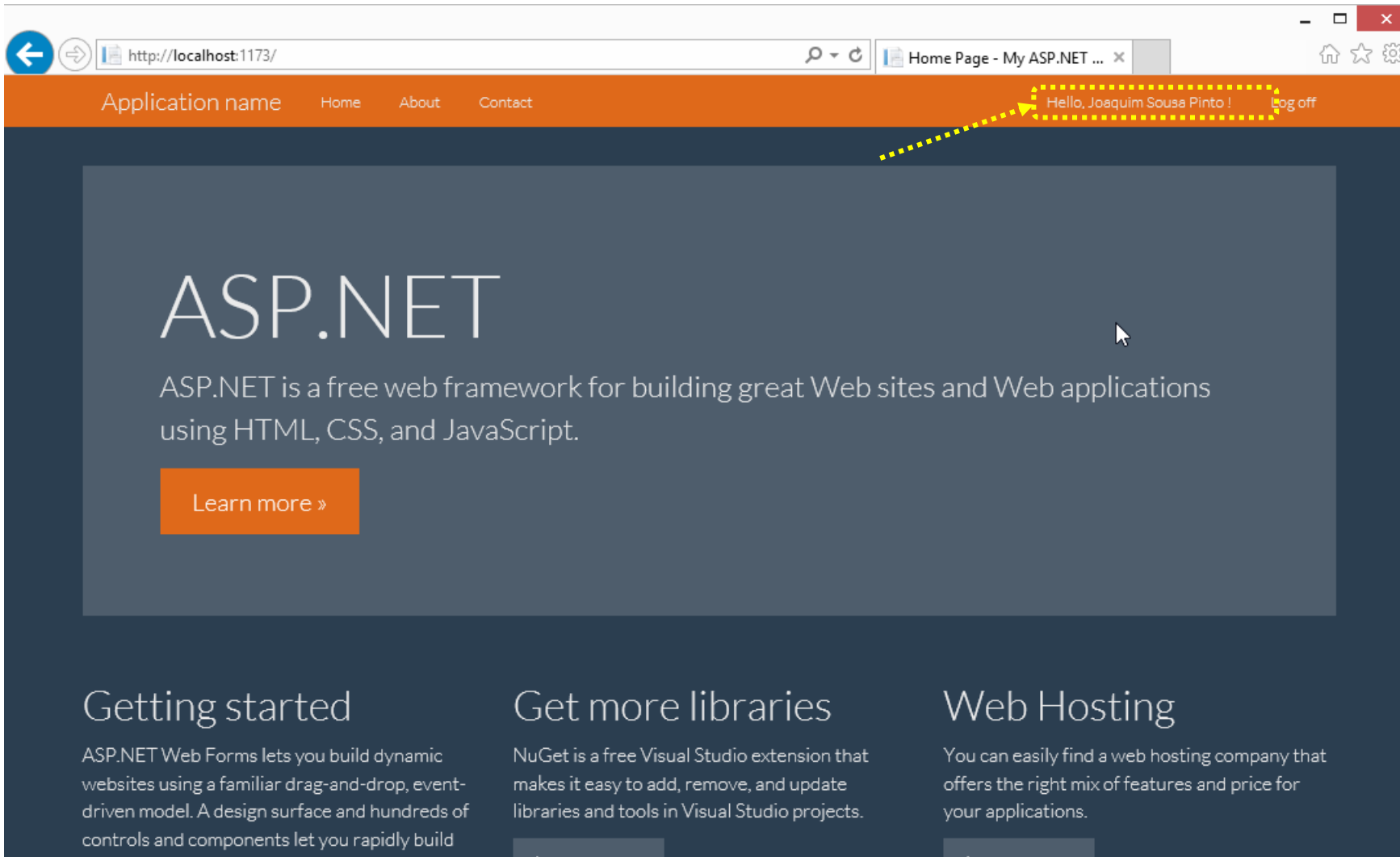


```
using System.Web.UI;
using Microsoft.AspNet.Identity;
using Microsoft.AspNet.Identity.Owin;
using Owin;
using EDC2015_Trabalho1.Models;

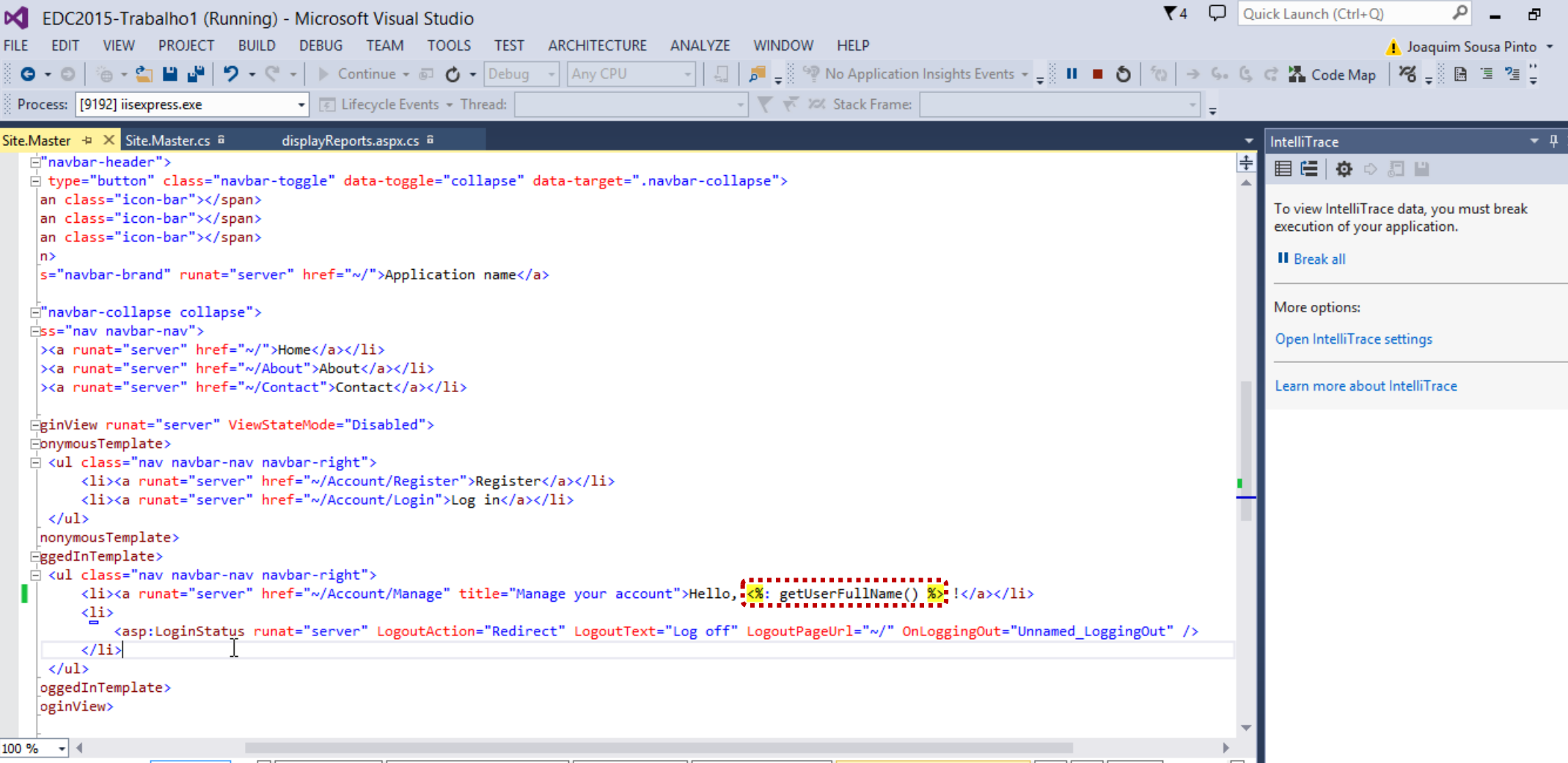
namespace EDC2015_Trabalho1.Account
{
    1 reference
    public partial class Register : Page
    {
        0 references
        protected void CreateUser_Click(object sender, EventArgs e)
        {
            var manager = Context.GetOwinContext().GetUserManager<ApplicationUserManager>();
            var signInManager = Context.GetOwinContext().Get<ApplicationSignInManager>();
            var user = new ApplicationUser() { UserName = Email.Text, Email = Email.Text, BirthDate=DateTime.Parse(BirthDate.Text), FullName=FullName.Text };
            IdentityResult result = manager.Create(user, Password.Text);
            if (result.Succeeded)
            {
                // For more information on how to enable account confirmation and password reset please visit http://go.microsoft.com/fwlink/?LinkID=320771
                //string code = manager.GenerateEmailConfirmationToken(user.Id);
                //string callbackUrl = IdentityHelper.GetUserConfirmationRedirectUrl(code, user.Id, Request);
                //manager.SendEmail(user.Id, "Confirm your account", "Please confirm your account by clicking <a href=\"" + callbackUrl + "\">here</a>.");

                signInManager.SignIn( user, isPersistent: false, rememberBrowser: false);
                IdentityHelper.RedirectToReturnUrl(Request.QueryString["ReturnUrl"], Response);
            }
            else
            {
                ErrorMessage.Text = result.Errors.FirstOrDefault();
            }
        }
    }
}
```

# Alterar a MasterPage ...



# Ficheiro Site.Master



EDC2015-Trabalho1 (Running) - Microsoft Visual Studio

FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP

Process: [9192] iisexpress.exe Lifecycle Events Thread: Stack Frame:

Site.Master Site.Master.cs displayReports.aspx.cs

```
"navbar-header">
  type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">
    an class="icon-bar"></span>
    an class="icon-bar"></span>
    an class="icon-bar"></span>
  n>
  s="navbar-brand" runat="server" href="/">Application name</a>

"navbar-collapse collapse">
  ss="nav navbar-nav">
    >a runat="server" href="/">Home</a></li>
    >a runat="server" href="/About">About</a></li>
    >a runat="server" href="/Contact">Contact</a></li>

  ginView runat="server" ViewStateMode="Disabled">
  onymousTemplate>
    <ul class="nav navbar-nav navbar-right">
      <li><a runat="server" href="/Account/Register">Register</a></li>
      <li><a runat="server" href="/Account/Login">Log in</a></li>
    </ul>
  onymousTemplate>
  ggedInTemplate>
    <ul class="nav navbar-nav navbar-right">
      <li><a runat="server" href="/Account/Manage" title="Manage your account">Hello, <%: getUserFullName() %> !</a></li>
      <li>
        <asp:LoginStatus runat="server" LogoutAction="Redirect" LogoutText="Log off" LogoutPageUrl="/" OnLoggingOut="Unnamed_LoggingOut" />
      </li>
    </ul>
  oggedInTemplate>
  oginView>
```

IntelliTrace

To view IntelliTrace data, you must break execution of your application.

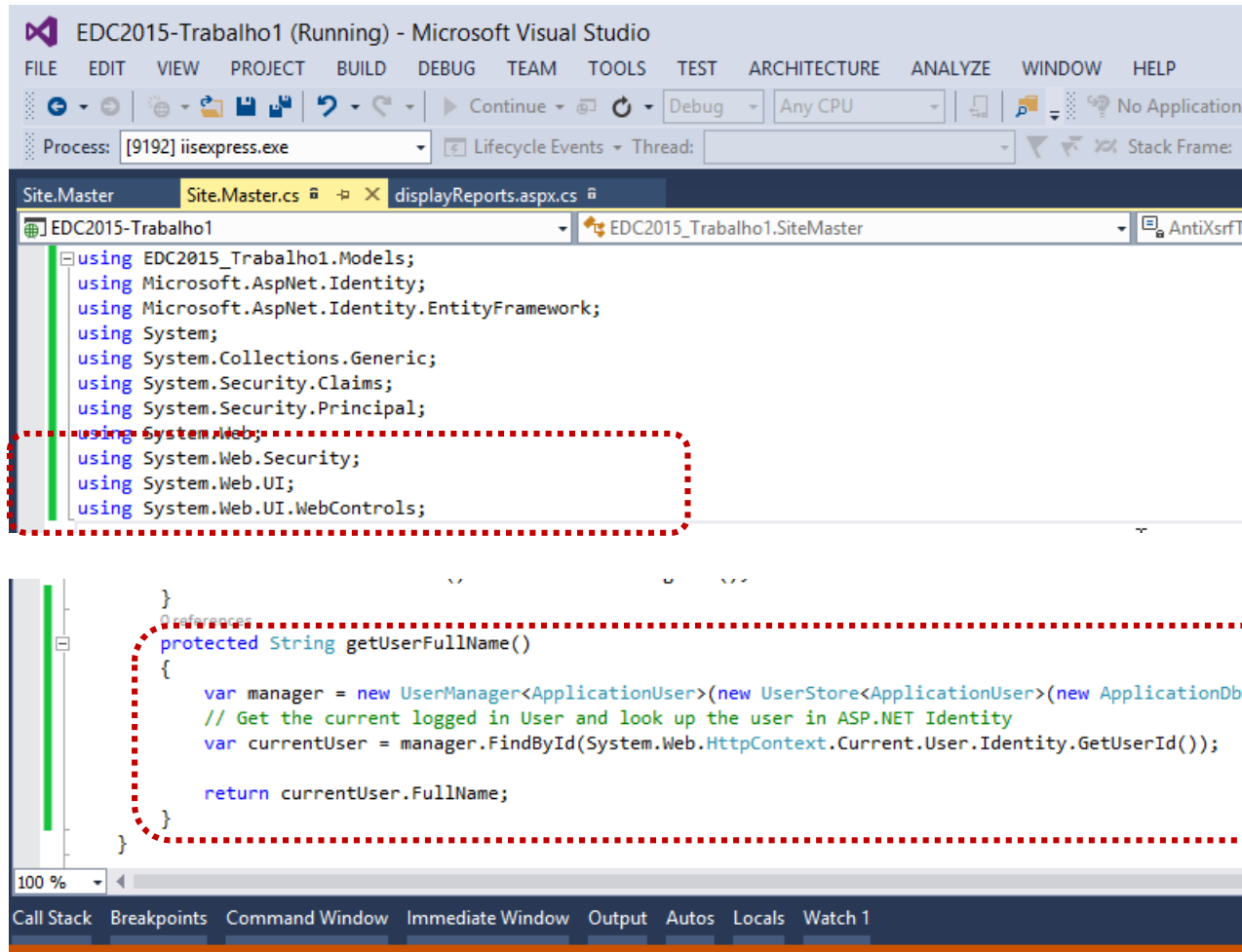
Break all

More options:

[Open IntelliTrace settings](#)

[Learn more about IntelliTrace](#)

# Ficheiro Site.Master.cs



```
EDC2015-Trabalho1 (Running) - Microsoft Visual Studio
FILE EDIT VIEW PROJECT BUILD DEBUG TEAM TOOLS TEST ARCHITECTURE ANALYZE WINDOW HELP
Process: [9192] iisexpress.exe | Lifecycle Events | Thread: | Stack Frame:
Site.Master | Site.Master.cs | displayReports.aspx.cs
EDC2015-Trabalho1 | EDC2015_Trabalho1.SiteMaster | AntiXsrfT

using EDC2015_Trabalho1.Models;
using Microsoft.AspNet.Identity;
using Microsoft.AspNet.Identity.EntityFramework;
using System;
using System.Collections.Generic;
using System.Security.Claims;
using System.Security.Principal;
using System.Web;
using System.Web.Security;
using System.Web.UI;
using System.Web.UI.WebControls;

protected String getUserFullName()
{
    var manager = new UserManager<ApplicationUser>(new UserStore<ApplicationUser>(new ApplicationDbContext()));
    // Get the current logged in User and look up the user in ASP.NET Identity
    var currentUser = manager.FindById(System.Web.HttpContext.Current.User.Identity.GetUserId());

    return currentUser.FullName;
}
```



# Tarefas

- Crie a pasta “personal” para meter os conteúdos para os utilizadores do sistema
  - Garanta que apenas utilizadores autenticados acedem à pasta
- Implemente a página “personal/displayReports.aspx” que se destina a mostrar todos os títulos e todas as vendas de um determinado utilizador (UserName).
- Crie a stored procedure getMySales na BD pubs para alimentar a lista.
  - Parâmetros:
    - Entrada: UserName;
    - Saída: Lista de encomendas para o autor
- Crie um menu na MasterPage de modo permitir o acesso a esta página

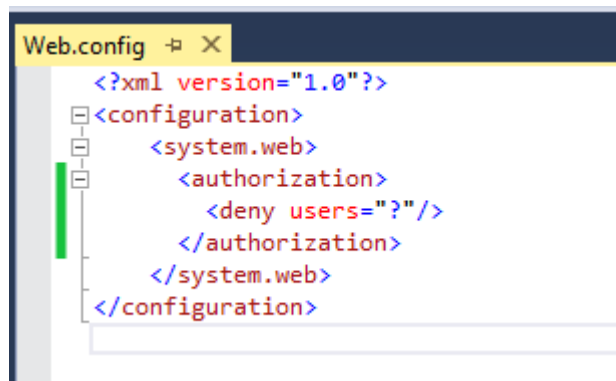
## AJUDA:

Para simular esta situação, crie um login cujo nome do utilizador (FullName) seja a combinação dos valores de "au\_fname" + “(espaço)” + "au\_lname”

Exemplos: Abraham Bennet | Reginald Blotchet-Halls | Cheryl Carson | ...

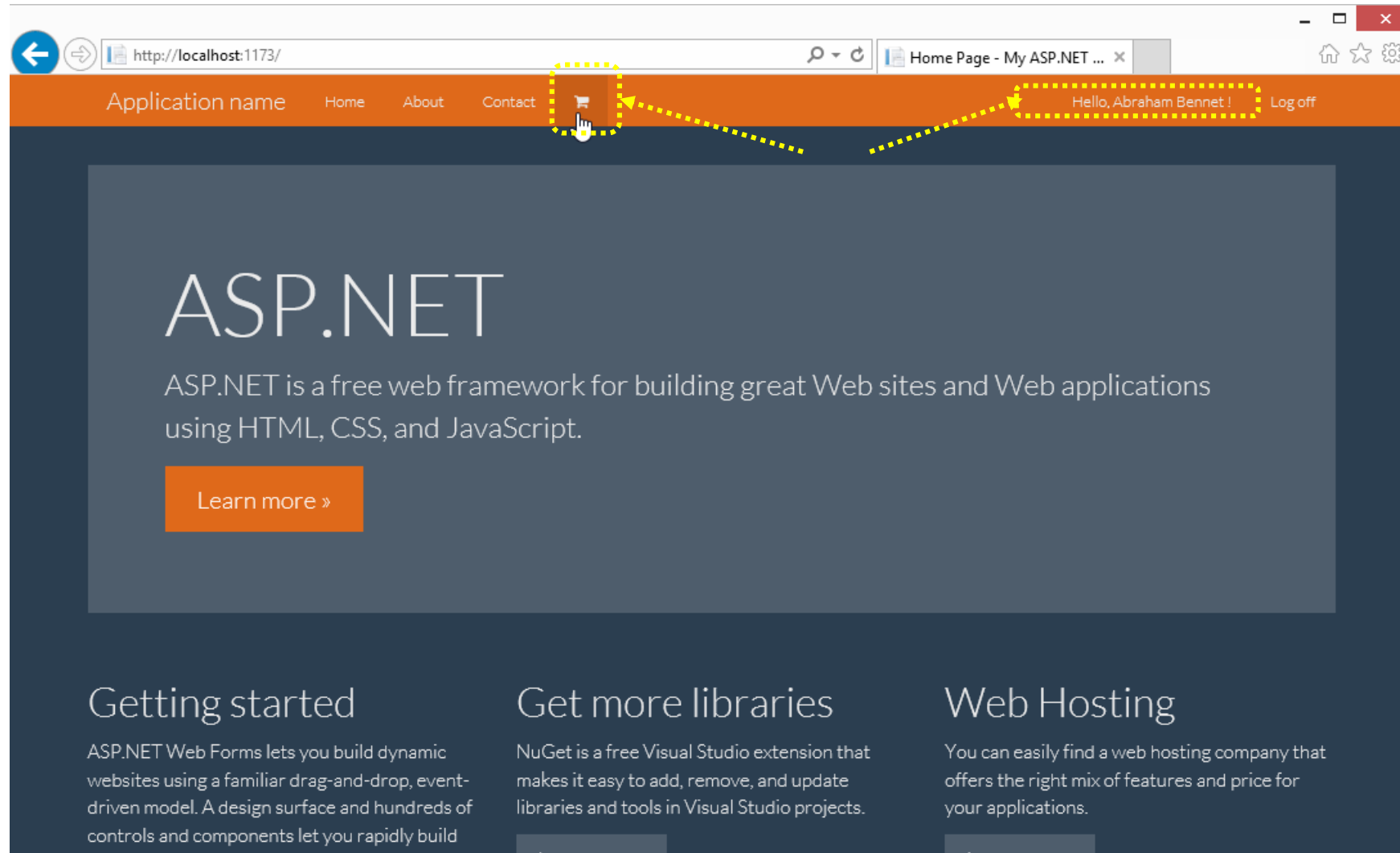
# Controlo de acesso ao diretório

- Para controlar o acesso a um diretório, cria-se nesse mesmo diretório um ficheiro web.config em que se configura “quem pode” ou “quem não pode” aceder a um diretório.
  - Neste caso, o mais fácil +e configurar dizendo que “quem não estiver autenticado não pode aceder”

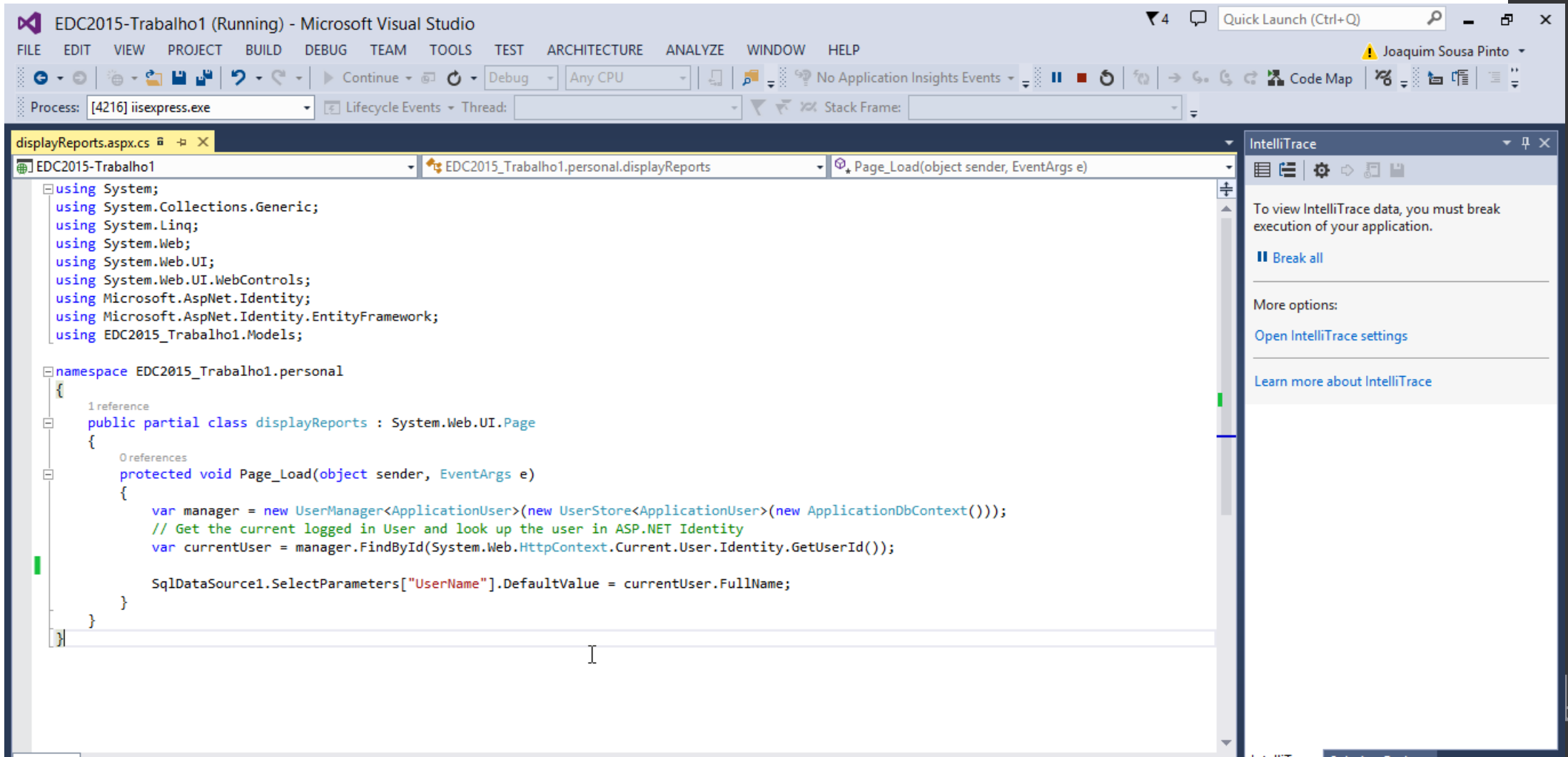


```
<?xml version="1.0"?>
<configuration>
  <system.web>
    <authorization>
      <deny users="?" />
    </authorization>
  </system.web>
</configuration>
```

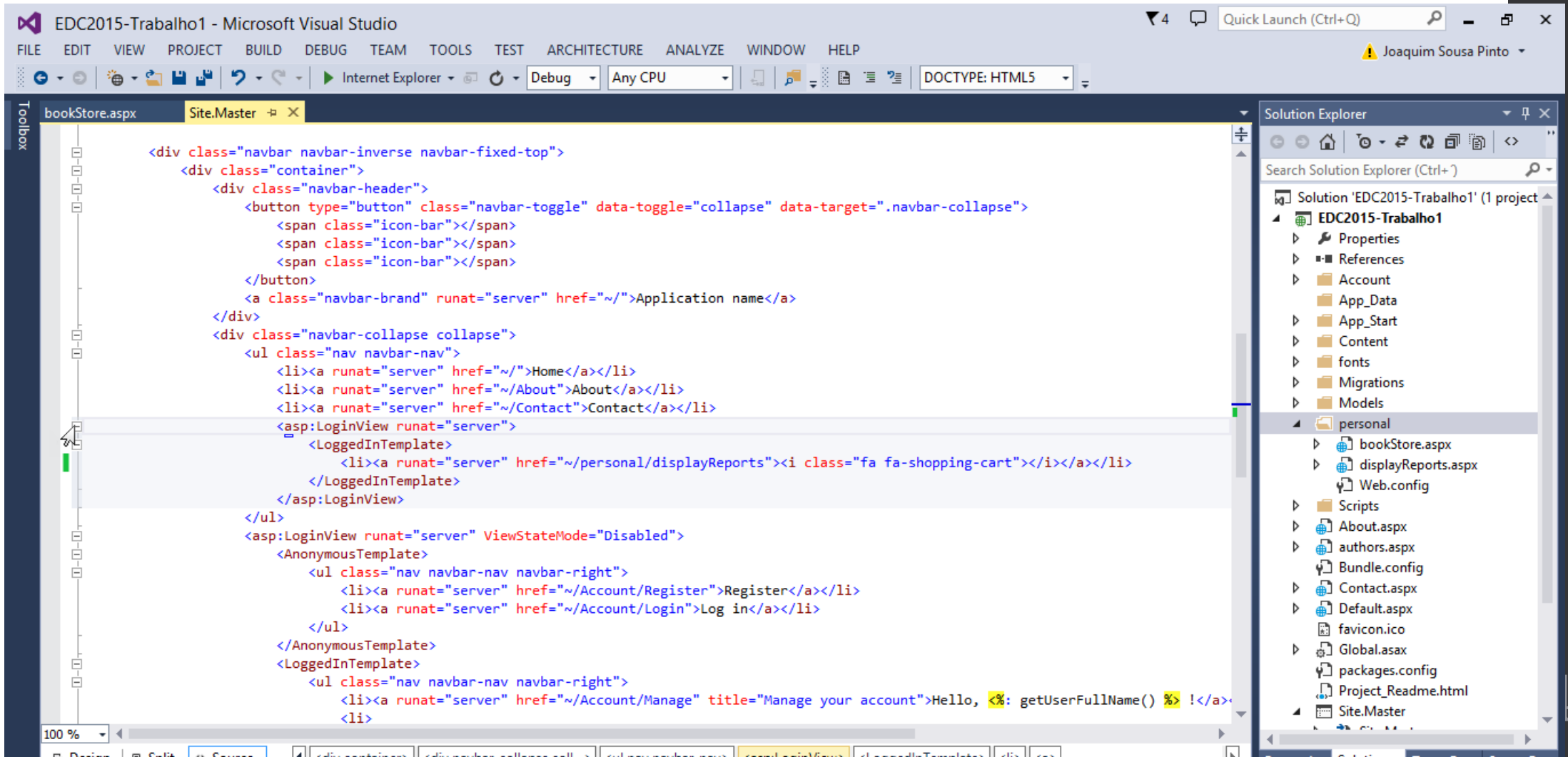
# personal/displayReports.aspx



# personal/displayReports.aspx.cs

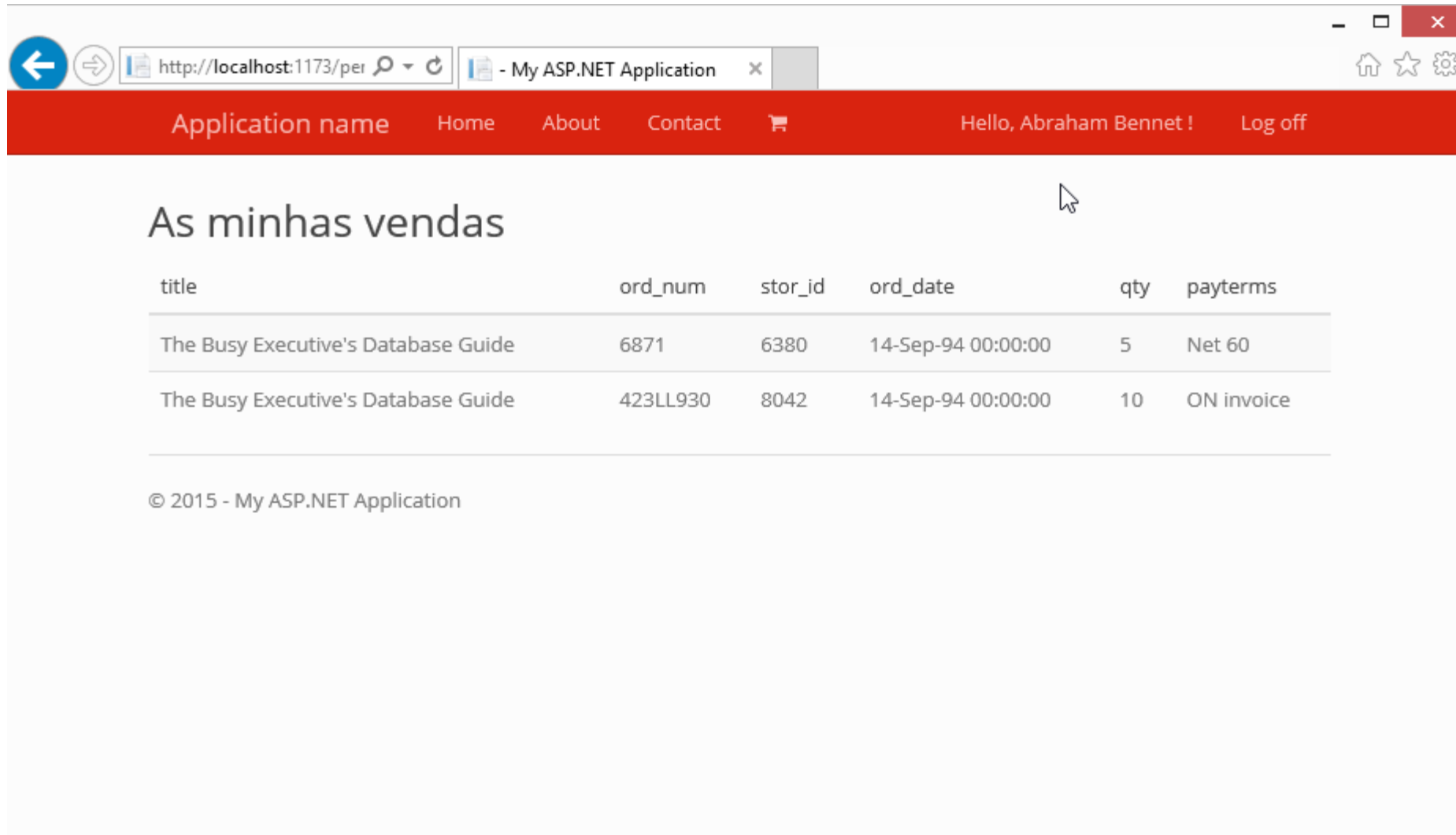


# Ficheiro Site.Master



# personal/displayReports.aspx

## Look & Feel



The screenshot shows a web browser window with the address bar displaying `http://localhost:1173/per`. The browser tab is titled "My ASP.NET Application". The page has a red navigation bar with the following links: "Application name", "Home", "About", "Contact", and a shopping cart icon. On the right side of the navigation bar, it says "Hello, Abraham Bennet !" and "Log off".

The main content area displays the heading "As minhas vendas" followed by a table of sales data. The table has the following columns: "title", "ord\_num", "stor\_id", "ord\_date", "qty", and "payterms".

| title                               | ord_num  | stor_id | ord_date           | qty | payterms   |
|-------------------------------------|----------|---------|--------------------|-----|------------|
| The Busy Executive's Database Guide | 6871     | 6380    | 14-Sep-94 00:00:00 | 5   | Net 60     |
| The Busy Executive's Database Guide | 423LL930 | 8042    | 14-Sep-94 00:00:00 | 10  | ON invoice |

At the bottom of the page, there is a copyright notice: "© 2015 - My ASP.NET Application".