are-restful-apis)

Create REST API

(https://www.pragimtech.com/blogasp.net-core-rest-api)

**REST API DbContext** 

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blogapi-repository-pattern)

**REST API Get List** 

(https://www.pragimtech.com/blog

core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Delete in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Search in REST API

(https://www.pragimtech.com/blog

# ASP.NET core identity setup in blazor application

In this video we will discuss how to install and set up ASP.NET core identity in an existing blazor application. In our upcoming videos we will implement authentication using the identity API.

#### What is ASP.NET Core Identity

ASP.NET Core Identity is a membership system. It allows us to create, read, update and delete user accounts. Supports account confirmation, authentication, authorisation, password recovery, two-factor authentication. It also supports external login providers like Microsoft, Facebook, Google etc.

We discussed ASP.NET Core Identity in detail in our ASP.NET Core tutorial (https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL\_Jh4XmU) If you are new to it, please check out videos from Part 65 (https://youtu.be/egITMrwMOPU) from our ASP.NET Core tutorial (https://www.youtube.com/playlist?list=PL6n9fhu94yhVkdrusLaQsfERmL\_Jh4XmU)

Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog

asp.net-core-rest-api)

REST API DbContext

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

**REST API Get List** 

(https://www.pragimtech.com/blo

core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Delete in REST API

(https://www.pragimtech.com/blog

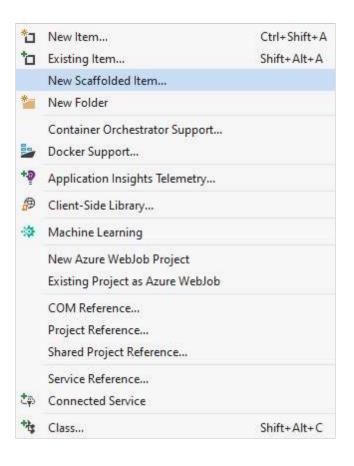
in-asp.net-core-rest-api)

Search in REST API

(https://www.pragimtech.com/blog

## ASP.NET core identity setup in blazor

We will use Visual Studio Scaffolder to add identity support. Right click on the Blazor web project and select Add - New Scaffolded Item...



Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog

asp.net-core-rest-api)

REST API DbContext

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

REST API Get List

(https://www.pragimtech.com/blo-

core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

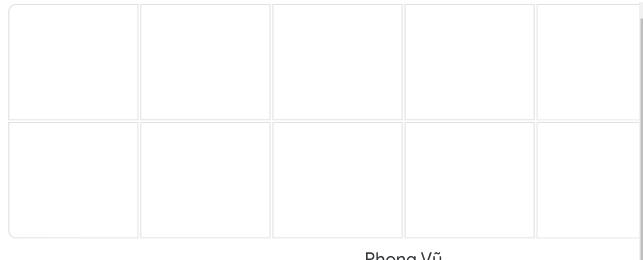
Delete in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

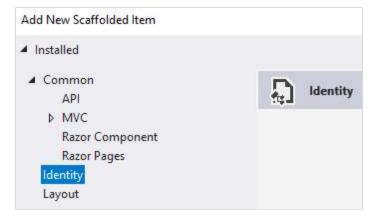
Search in REST API

(https://www.pragimtech.com/block)



Phong Vũ

Select Identity from both the left and middle panes in Add New Scaffolded Item dialog.



### On Add Identity dialog

1. Check Override all files - This adds all the Identity views and classes to our project, so we can modify them to meet our application specific

08:14 09/02/2024 in-asp.net-core-rest-api) Call REST API from Blazor are-restful-apis) Create REST API (https://www.pragimtech.com/blog asp.net-core-rest-api) **REST API DbContext** (https://www.pragimtech.com/blog core-rest-api-dbcontext) Repository Pattern in REST API (https://www.pragimtech.com/blog api-repository-pattern) REST API Get List (https://www.pragimtech.com/blocore-rest-api-list-of-resources) REST API Get By Id (https://www.pragimtech.com/blog core-rest-api-get-by-id) Post in REST API (https://www.pragimtech.com/blog in-aspnet-core-rest-api) **REST API Model Validation** (https://www.pragimtech.com/blog api-model-validation) Put in REST API (https://www.pragimtech.com/blog in-asp.net-core-rest-api) Delete in REST API (https://www.pragimtech.com/blog in-asp.net-core-rest-api) Search in REST API

(https://www.pragimtech.com/block

requirements.

- 2. Data context class If your project already has a data context class, select it from the dropdown list. Otherwise, click the plus sign to have it generated.
- 3. Click Add

/Areas/Identity/Pages/Account/Manage/_Layout.cshtml						
(Leave empty if it is	s set in a Razor_viewstart	file)				
✓ Override all files						
Choose files to overrid	e					
✓ Account\StatusMe	essage	✓ Account\AccessDenied	✓ Account\ConfirmEmail			
✓ Account\Confirm	EmailChange	✓ Account\ExternalLogin	✓ Account\ForgotPassword			
✓ Account\ForgotPa	sswordConfirmation	✓ Account\Lockout	✓ Account\Login			
✓ Account\LoginWit	h2fa	✓ Account\LoginWithRecoveryCode	✓ Account\Logout			
✓ Account\Manage\	Layout	✓ Account\Manage\ManageNav	✓ Account\Manage\StatusMessa	Account\Manage\StatusMessage		
✓ Account\Manage\	ChangePassword	✓ Account\Manage\DeletePersonalData	✓ Account\Manage\Disable2fa			
✓ Account\Manage\	DownloadPersonalData	✓ Account\Manage\Email	✓ Account\Manage\EnableAuth	enticato		
✓ Account\Manage\	ExternalLogins	✓ Account\Manage\GenerateRecoveryCode	s 🗹 Account\Manage\Index			
✓ Account\Manage\	PersonalData	✓ Account\Manage\ResetAuthenticator	✓ Account\Manage\SetPassword	d		
✓ Account\Manage\	ShowRecoveryCodes	✓ Account\Manage\TwoFactorAuthenticatio	Account\Register			
✓ Account\RegisterC	Confirmation	✓ Account\ResendEmailConfirmation	✓ Account\ResetPassword			
✓ Account\ResetPass	swordConfirmation					
Data context class:	EmployeeManagement	.Web.Data.EmployeeManagementWebContext				
	Use SQLite instead of SQL Server					
User class:						
			Add	Canc		

Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog

asp.net-core-rest-api)

**REST API DbContext** 

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

REST API Get List

(https://www.pragimtech.com/blo/core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

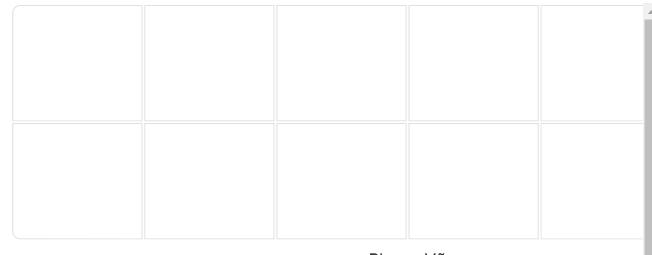
Delete in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

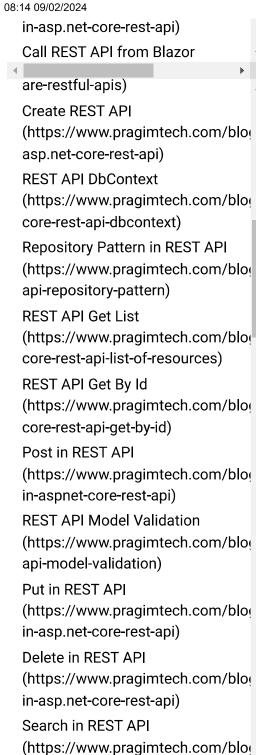
Search in REST API

(https://www.pragimtech.com/blog



Phong Vũ

The generated identity files are stored in Areas/Identity folder.



D	4	@_	Em	ploye	eMa	anagement.Web		
▶								
▶		Þ	44	Depe	ependencies			
✓       Areas         ✓       Data         ✓       EmployeeManagementWebContext.cs         ✓       Pages         ✓       Account         ०       Manage         ०       StatusMessage.cshtml         ०       Lowing Message.cshtml         ०       AccessDenied.cshtml         ०       ConfirmEmail.cshtml         ०       ConfirmEmailChange.cshtml         ०       ExternalLogin.cshtml         ०       ForgotPassword.cshtml         ०       ForgotPasswordConfirmation.cshtml         ०       EoginVith2fa.cshtml         ०       LoginWithRecoveryCode.cshtml         ०       LoginWithRecoveryCode.cshtml         ०       Register.cshtml         ०       RegisterConfirmation.cshtml         ०       ResendEmailConfirmation.cshtml         ०       ResetPassword.cshtml         ०       ResetPasswordConfirmation.cshtml         ०       ResetPasswordConfirmation.cshtml         ०       ValidationScriptsPartial.cshtml         ०       ViewImports.cshtml         ०       ViewStart.cshtml         ०       Error.cshtml		٥	4	Prop	perties			
■   Identity		Þ	0	www	vwwroot			
✓       Data         ♦       C# EmployeeManagementWebContext.cs         ✓       Pages         ✓       Account         ♦       Manage         ⑤       _StatusMessage.cshtml         ⑥       _ViewImports.cshtml         ፆ       ⑥         Ø       AccessDenied.cshtml         ፆ       ⑥         Ø       ConfirmEmail.cshtml         ፆ       ⑥         Ø       ConfirmEmailChange.cshtml         ፆ       ⑥       ExternalLogin.cshtml         ፆ       ⑥       ForgotPassword.cshtml         ፆ       ⑥       ForgotPasswordConfirmation.cshtml         ፆ       ⑥       LoginVeshtml         ፆ       ⑥       LoginWithZfa.cshtml         ፆ       ⑥       LoginWithRecoveryCode.cshtml         ፆ       ⑥       Register.cshtml         ፆ       ⑥       RegisterConfirmation.cshtml         ፆ       ⑥       ResetPassword.cshtml         ፆ       ⑥       ResetPasswordConfirmation.cshtml         ፆ       Ø       ResetPasswordConfirmation.cshtml         Ø       ZviewStart.cshtml         Ø       ZviewStart.cshtml         Ø       Evi		4		Areas				
Pages Account Manage StatusMessage.cshtml AccessDenied.cshtml ConfirmEmail.cshtml ConfirmEmailChange.cshtml ExternalLogin.cshtml Coffictory CoginVith2fa.cshtml CoginWith2fa.cshtml CoginWithRecoveryCode.cshtml CoffictoryCode.cshtml CoffictoryC			4	🕯 🚄 Identity				
A Ccount  Manage  StatusMessage.cshtml  ViewImports.cshtml  AccessDenied.cshtml  ConfirmEmail.cshtml  ConfirmEmailChange.cshtml  ExternalLogin.cshtml  ExternalLogin.cshtml  ForgotPassword.cshtml  ForgotPasswordConfirmation.cshtml  CologinWith2fa.cshtml  CoginWith2fa.cshtml  Register.cshtml  Register.cshtml  ResendEmailConfirmation.cshtml  ResetPassword.cshtml	🗸 🚄 Data							
Account  Manage  StatusMessage.cshtml  AccessDenied.cshtml  AccessDenied.cshtml  AccessDenied.cshtml  ConfirmEmail.cshtml  ConfirmEmailChange.cshtml  ExternalLogin.cshtml  ForgotPassword.cshtml  ForgotPasswordConfirmation.cshtml  ColorinwEmailChange.cshtml  ColorinwEmailChange.cshtml  ColorinwEmailChange.cshtml  ColorinwEmailConfirmation.cshtml				Þ	C#	EmployeeManagementWebContext.cs		
Manage StatusMessage.cshtml Let ViewImports.cshtml ConfirmEmail.cshtml ConfirmEmail.cshtml ConfirmEmailChange.cshtml ExternalLogin.cshtml ExternalLogin.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailConfirmation.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailChange.cshtml CoffirmEmailConfirmation.cshtml CoffirmEmailChange.cshtml CoffirmEmail.cshtml Cof					-7.			
StatusMessage.cshtml  ViewImports.cshtml  AccessDenied.cshtml  ConfirmEmail.cshtml  ConfirmEmailChange.cshtml  ExternalLogin.cshtml  ForgotPassword.cshtml  ForgotPasswordConfirmation.cshtml  ColorinwEtternalLogin.cshtml				4	100	Account		
ViewImports.cshtml					Þ	Manage Manage		
D						StatusMessage.cshtml		
ConfirmEmail.cshtml ConfirmEmailChange.cshtml ExternalLogin.cshtml ConfirmEmailChange.cshtml ConfirmEmailChange.cshtml ConfirmEmailChange.cshtml ConfirmEmailConfirmation.cshtml Confirmation.cshtml Confirmation.						NY (A) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B		
▷       ConfirmEmailChange.cshtml         ▷       ExternalLogin.cshtml         ▷       ForgotPassword.cshtml         ▷       Eockout.cshtml         ▷       Lockout.cshtml         ▷       Login.cshtml         ▷       LoginWith2fa.cshtml         ▷       LoginWithRecoveryCode.cshtml         ▷       Logout.cshtml         ▷       Register.cshtml         ▷       RegisterConfirmation.cshtml         ▷       ResendEmailConfirmation.cshtml         ▷       ResetPassword.cshtml         ▷       ResetPasswordConfirmation.cshtml         ○       _ValidationScriptsPartial.cshtml         ○       _ViewImports.cshtml         ○       _ViewStart.cshtml         ▷       Error.cshtml					Þ			
▷       ExternalLogin.cshtml         ▷       ForgotPassword.cshtml         ▷       ForgotPasswordConfirmation.cshtml         ▷       Lockout.cshtml         ▷       Login.cshtml         ▷       LoginWith2fa.cshtml         ▷       EoginWithRecoveryCode.cshtml         ▷       Eogout.cshtml         ▷       Register.cshtml         ▷       Register.cshtml         ▷       ResendEmailConfirmation.cshtml         ▷       ResetPassword.cshtml         ▷       ResetPasswordConfirmation.cshtml         ○       ValidationScriptsPartial.cshtml         ○       ViewImports.cshtml         ○       ViewStart.cshtml         ▷       Error.cshtml					Þ	ConfirmEmail.cshtml		
▷       ForgotPassword.cshtml         ▷       ForgotPasswordConfirmation.cshtm         ▷       Lockout.cshtml         ▷       Login.cshtml         ▷       LoginWith2fa.cshtml         ▷       EoginWithRecoveryCode.cshtml         ▷       Eogout.cshtml         ▷       Register.cshtml         ▷       Register.cshtml         ▷       ResendEmailConfirmation.cshtml         ▷       ResetPassword.cshtml         ▷       ResetPasswordConfirmation.cshtml         ○       _ValidationScriptsPartial.cshtml         ○       _ViewImports.cshtml         ○       _ViewStart.cshtml         ▷       Error.cshtml					Þ			
▷       ForgotPasswordConfirmation.cshtm         ▷       Lockout.cshtml         ▷       Login.cshtml         ▷       LoginWith2fa.cshtml         ▷       LoginWithRecoveryCode.cshtml         ▷       Register.cshtml         ▷       Register.cshtml         ▷       RegisterConfirmation.cshtml         ▷       ResendEmailConfirmation.cshtml         ▷       ResetPassword.cshtml         ▷       ResetPasswordConfirmation.cshtml         ○       _ValidationScriptsPartial.cshtml         ○       _ViewImports.cshtml         ▷       _ViewStart.cshtml         ▷       _Error.cshtml					Þ			
D					Þ	: [HEIT]		
D					Þ	ForgotPasswordConfirmation.cshtml		
D					Þ			
Delia DeginWithRecoveryCode.cshtml Delia Degout.cshtml Delia Register.cshtml Delia RegisterConfirmation.cshtml Delia ResendEmailConfirmation.cshtml Delia ResetPassword.cshtml Delia ResetPasswordConfirmation.cshtml Delia ResetPasswordConfirmation.cshtml Delia ResetPasswordConfirmation.cshtml Delia ResetPasswordConfirmation.cshtml Delia ValidationScriptsPartial.cshtml Delia ViewStart.cshtml Delia Error.cshtml Delia Degout.cshtml Delia Degout.c					Þ	10 A C C C C C C C C C C C C C C C C C C		
D Logout.cshtml D Register.cshtml D RegisterConfirmation.cshtml D ResendEmailConfirmation.cshtml D ResetPassword.cshtml D ResetPasswordConfirmation.cshtml D ResetPasswordConfirmation.cshtml D ValidationScriptsPartial.cshtml D ViewImports.cshtml D ViewStart.cshtml D Error.cshtml					Þ			
▷       Register.cshtml         ▷       RegisterConfirmation.cshtml         ▷       ResendEmailConfirmation.cshtml         ▷       ResetPassword.cshtml         ▷       ResetPasswordConfirmation.cshtml         ○       _ValidationScriptsPartial.cshtml         ○       _ViewImports.cshtml         ○       _ViewStart.cshtml         ▷       Error.cshtml					Þ	100 mm - 100		
▷       RegisterConfirmation.cshtml         ▷       ResendEmailConfirmation.cshtml         ▷       ResetPassword.cshtml         ▷       ResetPasswordConfirmation.cshtml         ○       _ValidationScriptsPartial.cshtml         ○       _ViewImports.cshtml         ○       _ViewStart.cshtml         ▷       Error.cshtml					Þ			
▶       ResendEmailConfirmation.cshtml         ▶       ResetPassword.cshtml         ▶       ResetPasswordConfirmation.cshtml         ♠       _ValidationScriptsPartial.cshtml         ♠       _ViewImports.cshtml         ♠       _ViewStart.cshtml         ▶       ♠         Error.cshtml					Þ			
ResetPassword.cshtml      ResetPasswordConfirmation.cshtml     ValidationScriptsPartial.cshtml     ViewImports.cshtml     ViewStart.cshtml      Error.cshtml					Þ			
▶					Þ	(1 <del>177)</del> - 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,		
<ul> <li>_ValidationScriptsPartial.cshtml</li> <li>_ViewImports.cshtml</li> <li>_ViewStart.cshtml</li> <li>_ Error.cshtml</li> </ul>					Þ			
<ul><li>o _ViewImports.cshtml</li><li>o _ViewStart.cshtml</li><li>▶ o Error.cshtml</li></ul>								
<ul><li>o _ViewStart.cshtml</li><li>b o Error.cshtml</li></ul>						**************************************		
▶ 🗟 Error.cshtml					100000			
					1755			
				<b>D</b>	1.70			
▶ C# IdentityHostingStartup.cs			Þ	C	! Ide	entityHostingStartup.cs		

Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog

asp.net-core-rest-api)

**REST API DbContext** 

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

REST API Get List

(https://www.pragimtech.com/blog core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Delete in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Search in REST API

(https://www.pragimtech.com/blog

## Add and execute identity migrations

Open Package Manager Console and execute the following command add a migration

Add-Migration IdentitySupport

Execute the migration

Update-Database

Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog

asp.net-core-rest-api)

REST API DbContext

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

**REST API Get List** 

(https://www.pragimtech.com/blo/core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Delete in REST API

(https://www.pragimtech.com/blog

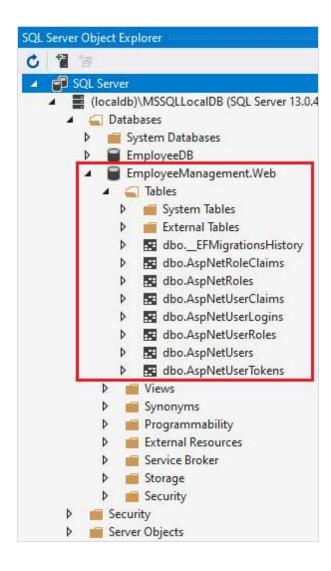
in-asp.net-core-rest-api)

Search in REST API

(https://www.pragimtech.com/blog

## Generated Identity Tables

You can see the generated Identity tables using the SQL Server Object Explorer in Visual Studio. The database connection string is in appsettings.json.



Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog

asp.net-core-rest-api)

**REST API DbContext** 

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

REST API Get List

(https://www.pragimtech.com/blocore-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

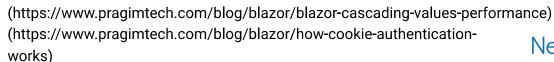
Delete in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Search in REST API

(https://www.pragimtech.com/block



© 2020 Pragimtech (https://www.pragimtech.com). All Rights Reserved.

in-asp.net-core-rest-api) Call REST API from Blazor

are-restful-apis)

Create REST API

(https://www.pragimtech.com/blog asp.net-core-rest-api)

**REST API DbContext** 

(https://www.pragimtech.com/blog

core-rest-api-dbcontext)

Repository Pattern in REST API

(https://www.pragimtech.com/blog

api-repository-pattern)

**REST API Get List** 

(https://www.pragimtech.com/blog core-rest-api-list-of-resources)

REST API Get By Id

(https://www.pragimtech.com/blog

core-rest-api-get-by-id)

Post in REST API

(https://www.pragimtech.com/blog

in-aspnet-core-rest-api)

**REST API Model Validation** 

(https://www.pragimtech.com/blog

api-model-validation)

Put in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Delete in REST API

(https://www.pragimtech.com/blog

in-asp.net-core-rest-api)

Search in REST API

(https://www.pragimtech.com/blog