



GlobalImpact Reference

Table of Contents

GlobalImpact Reference	11
<default> Namespace	12
Program Class	12
GlobalImpact.Controllers Namespace	13
AccountController Class	13
AccountController Constructor	13
AccountController.ConfirmEmailTask Method	15
AccountController.EmailConfirmation Method	15
AccountController.EmailSending Method	16
AccountController.ExternalLogin Method	17
AccountController.ExternalLoginCallback Method	18
AccountController.ExternalLoginConfirmation Method	18
AccountController.ForgotPassword (ForgotPasswordViewModel) Method	19
AccountController.ForgotPassword Method	20
AccountController.ForgotPasswordConfirmation Method	21
AccountController.LogOff Method	22
AccountController.Login (String) Method	22
AccountController.Login (LoginViewModel, String) Method	23
AccountController.Register (String) Method	24
AccountController.Register (RegisterViewModel, String) Method	25
AccountController.ResetPassword (String, String) Method	26
AccountController.ResetPassword (ResetPasswordViewModel) Method	27
AccountController.ResetPasswordConfirmation Method	28
AccountController.UserPage Method	29
AdminController Class	29
AdminController Constructor	30
AdminController.Create (String) Method	31
AdminController.Create (RegisterViewModel, String) Method	32
AdminController.Delete Method	33
AdminController.Edit (AppUser) Method	34
AdminController.Edit (String) Method	35
AdminController.Index Method	36

HomeController Class	36
HomeController Constructor	37
HomeController.Error Method	38
HomeController.Index Method	39
HomeController.Privacy Method	39
ProductsController Class	40
ProductsController Constructor	40
ProductsController.AdminProductsTransactions Method	41
ProductsController.CancelTransaction Method	42
ProductsController.ConfirmCancelTransaction Method	42
ProductsController.ConfirmDeliverTransaction Method	43
ProductsController.ConfirmTransactions Method	44
ProductsController.Create Method	44
ProductsController.Create (Product) Method	45
ProductsController.Delete Method	46
ProductsController.DeleteConfirmed Method	47
ProductsController.Details Method	48
ProductsController.Edit (Guid, Product) Method	48
ProductsController.Edit (Nullable<Guid>) Method	50
ProductsController.Filtra Method	50
ProductsController.Index Method	51
ProductsController.ProductsTransactions Method	52
RecyclingBinsController Class	53
RecyclingBinsController Constructor	53
RecyclingBinsController.Create (String) Method	54
RecyclingBinsController.Create (RecyclingBin) Method	55
RecyclingBinsController.Delete Method	56
RecyclingBinsController.DeleteConfirmed Method	57
RecyclingBinsController.Details Method	58
RecyclingBinsController.EcoLog Method	59
RecyclingBinsController.EcoLogin (EcoLogViewModel) Method	60
RecyclingBinsController.EcoLogin (Nullable<Guid>, String) Method	60
RecyclingBinsController.Ecos Method	61
RecyclingBinsController.Edit (Guid, RecyclingBin) Method	62

RecyclingBinsController.Edit (Nullable<Guid>) Method	63
RecyclingBinsController.Filter Method	64
RecyclingBinsController.FiltrarMapa Method	65
RecyclingBinsController.FullBins Method	66
RecyclingBinsController.GoogleMaps Method	66
RecyclingBinsController.Index Method	67
RecyclingBinsController.UpdateTypeChoise Method	67
RecyclingTransactionController Class.....	68
RecyclingTransactionController Constructor	69
RecyclingTransactionController.CancelConfirm Method	70
RecyclingTransactionController.CancelTrans Method	70
RecyclingTransactionController.FinishRecycling Method	71
RecyclingTransactionController.Index Method	72
RecyclingTransactionController.Rec Method.....	73
RecyclingTransactionController.Reciclar Method	74
RecyclingTransactionController.TransacionList Method.....	75
RecyclingTransactionController.UpdateBin Method	76
StoreController Class	77
StoreController Constructor	77
StoreController.Add Method.....	78
StoreController.Checkout Method	79
StoreController.DeleteAllFromCart Method	80
StoreController.DeleteFromCart Method	80
StoreController.Filtra Method	81
StoreController.FinalizeCheckout Method.....	82
StoreController.Index Method	83
StoreController.Order Method	84
StoreController.UpdateQuantity Method	85
GlobalImpact.Data Namespace	86
ApplicationDbContext Class	86
ApplicationDbContext Constructor	86
ApplicationDbContext.AppUser Property	87
ApplicationDbContext.ProductTransactionStatus Property	88
ApplicationDbContext.ProductTransactions Property	88

ApplicationDbContext.Products Property	89
ApplicationDbContext.ProductsCategory Property	89
ApplicationDbContext.RecyclingBinType Property	90
ApplicationDbContext.RecyclingBins Property	91
ApplicationDbContext.RecyclingTransactions Property.....	91
ApplicationDbContext.OnModelCreating Method.....	92
CartItems Class	93
CartItems.ListItems Property	93
StationeryDb Class.....	94
StationeryDb.Items Property.....	94
StationeryItems Class	95
StationeryItems.Items Property	95
GlobalImpact.Enumerates Namespace	97
BinType Enumeration	97
ProductTransactionStatusType Enumeration	97
ProductType Enumeration	97
GlobalImpact.Interfaces Namespace	98
IGoogleMapsService Class.....	98
IEmailService Interface	98
IEmailService.SendEmailAsync Method	99
GlobalImpact.Migrations Namespace	101
SGRR Class	101
SGRR.BuildTargetModel Method	101
SGRR.Down Method.....	102
SGRR.Up Method.....	103
GlobalImpact.Models Namespace	105
AppUser Class	105
AppUser.Age Property.....	105
AppUser.FirstName Property	106
AppUser.Identity Property	107
AppUser.LastName Property.....	108
AppUser.NIF Property	109
AppUser.Points Property.....	109
AppUser.Role Property.....	110

AppUser.RoleId Property.....	111
AppUser.RoleList Property	111
AppUser.UniqueCode Property	112
Cart Class	113
Cart.Id Property	113
Cart.Product Property	114
Cart.Quantity Property	115
Cart.User Property.....	116
ErrorViewModel Class	116
ErrorViewModel.RequestId Property	117
ErrorViewModel.ShowRequestId Property	117
Product Class	118
Product.Category Property.....	119
Product.Description Property.....	119
Product.Id Property	120
Product.Image Property	121
Product.ImageUrl Property	122
Product.Name Property	122
Product.Points Property	123
Product.ProductCategoryId Property.....	123
Product.Quantity Property	124
Product.Stock Property	125
ProductCategory Class.....	125
ProductCategory.Category Property	126
ProductCategory.ProductCategoryId Property	127
ProductTransactionStatus Class	127
ProductTransactionStatus.ProductTransactionStatusId Property	128
ProductTransactionStatus.Status Property	129
ProductTransactions Class.....	129
ProductTransactions.Date Property	130
ProductTransactions.Id Property	131
ProductTransactions.Points Property.....	132
ProductTransactions.ProductId Property.....	132
ProductTransactions.ProductName Property	133

ProductTransactions.Quantity Property	134
ProductTransactions.TransStatus Property.....	134
ProductTransactions.TransactionId Property.....	135
ProductTransactions.TransactionStatusId Property	136
ProductTransactions.UserId Property	137
ProductTransactions.UserName Property	137
ProductTransactions.product Property.....	138
ProductTransactions.user Property.....	139
RecItems Class	140
RecItems.Id Property	140
RecItems.Nome Property	141
RecItems.Peso Property	141
RecItems.Pontos Property.....	142
RecItems.Tipo Property	143
RecyclingBin Class.....	143
RecyclingBin.Capacity Property	144
RecyclingBin.CurrentCapacity Property	145
RecyclingBin.Description Property	145
RecyclingBin.Id Property	146
RecyclingBin.Latitude Property	147
RecyclingBin.Longitude Property	148
RecyclingBin.RBTList Property.....	149
RecyclingBin.RecyclingBinType Property	149
RecyclingBin.RecyclingBinTypeId Property	150
RecyclingBin.Status Property	151
RecyclingBin.Type Property.....	152
RecyclingBinType Class.....	152
RecyclingBinType.RecyclingBinTypeId Property	153
RecyclingBinType.Type Property	154
RecyclingTransaction Class.....	154
RecyclingTransaction.Date Property	155
RecyclingTransaction.Id Property.....	156
RecyclingTransaction.Points Property.....	156
RecyclingTransaction.RecyclingBin Property	157

RecyclingTransaction.User Property	158
RecyclingTransaction.Weight Property	159
RoleType Enumeration	159
GlobalImpact.Services Namespace	161
EmailService Class	161
EmailService.Index Method.....	161
GoogleMapsApiKeyService Class.....	162
GoogleMapsApiKeyService Constructor.....	162
GoogleMapsApiKeyService.GetApiKey Method.....	163
GlobalImpact.Utills Namespace	165
CartSingleton Class	165
CartSingleton.Instance Property	165
instance Field.....	166
EmailService Class	166
EmailService Constructor	167
EmailService.SendEmailAsync Method	168
GoogleMapsService Class.....	169
GoogleMapsService Constructor.....	169
GoogleMapsServiceExtensions Class.....	170
GoogleMapsServiceExtensions.AddGoogleMapsAPI Method	171
GlobalImpact.ViewModels.Account Namespace	173
ConfirmEmailViewModel Class.....	173
ConfirmEmailViewModel.Email Property.....	173
ExternalLoginViewModel Class	174
ExternalLoginViewModel.Age Property	175
ExternalLoginViewModel.Email Property	176
ExternalLoginViewModel.FirstName Property.....	176
ExternalLoginViewModel.LastName Property	177
ExternalLoginViewModel.NIF Property	178
ExternalLoginViewModel.Name Property.....	179
ForgotPasswordViewModel Class	179
ForgotPasswordViewModel.Email Property	180
LoginViewModel Class.....	181
LoginViewModel.Password Property	181

LoginViewModel.RememberMe Property	182
LoginViewModel.ReturnUrl Property.....	183
LoginViewModel.UserName Property.....	184
RegisterViewModel Class	184
RegisterViewModel.Age Property	185
RegisterViewModel.ConfirmPassword Property.....	186
RegisterViewModel.Email Property	187
RegisterViewModel.FirstName Property	188
RegisterViewModel.LastName Property	189
RegisterViewModel.NIF Property.....	189
RegisterViewModel.Password Property.....	190
RegisterViewModel.ReturnUrl Property	191
RegisterViewModel.UserName Property	192
ResetPasswordViewModel Class	193
ResetPasswordViewModel.Code Property.....	193
ResetPasswordViewModel.ConfirmPassword Property	194
ResetPasswordViewModel.Password Property	195
ResetPasswordViewModel.UserId Property	196
GlobalImpact.ViewModels.NewFolder Namespace.....	197
CreateRecyclingBinViewModel Class	197
CreateRecyclingBinViewModel.Capacity Property.....	197
CreateRecyclingBinViewModel.CurrentCapacity Property	198
CreateRecyclingBinViewModel.Description Property.....	199
CreateRecyclingBinViewModel.Id Property	200
CreateRecyclingBinViewModel.Latitude Property	200
CreateRecyclingBinViewModel.Longitude Property	201
CreateRecyclingBinViewModel.RBTList Property.....	202
CreateRecyclingBinViewModel.Status Property	202
CreateRecyclingBinViewModel.Type Property	203
GlobalImpact.ViewModels.RecyclingBin Namespace	205
EcoLogViewModel Class	205
EcoLogViewModel.IdInput Property	205
FilterViewModel Class	206
FilterViewModel.Capacity Property	207

FilterViewModel.CurrentCapacity Property.....	207
FilterViewModel.RecyclingBin Property.....	208
FilterViewModel.RecyclingBins Property.....	208
FilterViewModel.Status Property.....	209
FilterViewModel.Type Property.....	210
ReciclarViewModel Class.....	210
ReciclarViewModel.EcoPonto Property.....	211
ReciclarViewModel.ReclItems Property.....	211
ReciclarViewModel.Reciclados Property.....	212
ReciclarViewModel.Type Property.....	213
ReciclarViewModel.UserName Property.....	213
Index.....	215

GlobalImpact Reference

Namespaces

[<default>](#)¹², [GlobalImpact.Controllers](#)¹³, [GlobalImpact.Data](#)⁸⁶, [GlobalImpact.Enumerates](#)⁹⁷,
[GlobalImpact.Interfaces](#)⁹⁸, [GlobalImpact.Migrations](#)¹⁰¹, [GlobalImpact.Models](#)¹⁰⁵,
[GlobalImpact.Services](#)¹⁶¹, [GlobalImpact.Utils](#)¹⁶⁵, [GlobalImpact.ViewModels.Account](#)¹⁷³,
[GlobalImpact.ViewModels.NewFolder](#)¹⁹⁷, [GlobalImpact.ViewModels.RecyclingBin](#)²⁰⁵

<default> Namespace

Classes

Program₁₂

Program Class

VB

```
Public Class Program
```

C#

```
public class Program
```

[C++]

```
public ref class Program
```

[JScript]

```
public class Program
```

Requirements

Namespace: <default>₁₂

Assembly: GlobalImpact (in GlobalImpact.dll)

GlobalImpact.Controllers Namespace

Classes

[AccountController](#)₁₃, [AdminController](#)₂₉, [HomeController](#)₃₆, [ProductsController](#)₄₀,
[RecyclingBinsController](#)₅₃, [RecyclingTransactionController](#)₆₈, [StoreController](#)₇₇

AccountController Class

Controller da gestão de Acessos

VB

```
Public Class AccountController  
    Inherits Controller
```

C#

```
public class AccountController : Controller
```

[C++]

```
public ref class AccountController : public Controller^
```

[JScript]

```
public class AccountController  
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)₁₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[AccountController](#)₁₃

Methods

[ConfirmEmailTask](#)₁₅, [EmailConfirmation](#)₁₅, [EmailSending](#)₁₆, [ExternalLogin](#)₁₇, [ExternalLoginCallback](#)₁₈,
[ExternalLoginConfirmation](#)₁₈, [ForgotPassword](#)₂₀, [ForgotPasswordConfirmation](#)₂₁, [LogOff](#)₂₂, [Login](#)₂₂,
[Register](#)₂₄, [ResetPassword](#)₂₆, [ResetPasswordConfirmation](#)₂₈, [UserPage](#)₂₉

AccountController Constructor

Construtor do Controller AccountController

VB

```
Public Sub New( _  
    ByVal userManager As UserManager(Of AppUser), _  
    ByVal signInManager As SignInManager(Of AppUser), _  
    ByVal roleManager As RoleManager(Of IdentityRole), _  
    ByVal emailService As IEmailService, _  
    ByVal db As ApplicationDbContext _  
)
```

C#

```
public AccountController(  
    UserManager<AppUser> userManager,  
    SignInManager<AppUser> signInManager,  
    RoleManager<IdentityRole> roleManager,  
    IEmailService emailService,  
    ApplicationDbContext db  
)
```

```
[C++]  
public:  
AccountController(  
    UserManager<AppUser^>^ userManager,  
    SignInManager<AppUser^>^ signInManager,  
    RoleManager<IdentityRole^>^ roleManager,  
    IEmailService^ emailService,  
    ApplicationDbContext^ db  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

userManager

Fornece APIs para gestao de utilizadores

signInManager

Fornece APIs para Login de utilizadores

roleManager

Fornece APIs para gestao de roles de utilizadores

emailService

Fornece Envio de Emails

db

Base de Dados

See Also

Applies to: [AccountController](#)₁₃

AccountController.ConfirmEmailTask Method

Função Get que confirma a verificação do email

VB

```
<HttpGet()> _
Public Function ConfirmEmailTask( _
    Optional ByVal userId As String = null, _
    Optional ByVal code As String = null _
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> ConfirmEmailTask(
    string userId = null,
    string code = null
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult>^ ConfirmEmailTask(
    String^ userId,
    String^ code
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

userId

Id do user a ser verificado.

code

código de confirmação de email.

See Also

Applies to: [AccountController](#)₁₃

AccountController.EmailConfirmation Method

VB

```
Public Function EmailConfirmation() As IActionResult
```

C#

```
public IActionResult EmailConfirmation()
```

```
[C++]  
public:  
IActionResult^ EmailConfirmation()
```

```
[JScript]  
public function EmailConfirmation() : IActionResult;
```

See Also

Applies to: [AccountController](#)₁₃

AccountController.EmailSending Method

Função Get que retorna a pagina de envio de email de confirmação

VB

```
<HttpGet(> _  
Public Function EmailSending() As IActionResult
```

C#

```
[HttpGet()]  
public IActionResult EmailSending()
```

```
[C++]  
[HttpGet()]  
public:  
IActionResult^ EmailSending()
```

```
[JScript]  
public  
    HttpGet()  
function EmailSending() : IActionResult;
```

Returns

página de verificação de email.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ExternalLogin Method

Função Post com o auxílio da api de autenticação da Google.

VB

```
<HttpPost()> _
<AllowAnonymous()> _
<ValidateAntiForgeryToken()> _
Public Function ExternalLogin( _
    ByVal provider As String _
) As IActionResult
```

C#

```
[HttpPost()]
[AllowAnonymous()]
[ValidateAntiForgeryToken()]
public IActionResult ExternalLogin(
    string provider
)
```

```
[C++]
[HttpPost()]
[AllowAnonymous()]
[ValidateAntiForgeryToken()]
public:
IActionResult^ ExternalLogin(
    String^ provider
)
```

```
[JScript]
public
    HttpPost()
    AllowAnonymous()
    ValidateAntiForgeryToken()
function ExternalLogin(
    provider : String
) : IActionResult;
```

Parameters

provider

api da Google

Returns

Retorna a página de autenticação do google.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ExternalLoginCallback Method

Função Get, se o user já tiver a conta registrada vai para o dashBoard; se não faz o registro.

VB

```
<HttpGet()> _
Public Function ExternalLoginCallback( _
    Optional ByVal remoteError As String = null _
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> ExternalLoginCallback(
    string remoteError = null
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult>^ ExternalLoginCallback(
    String^ remoteError
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

remoteError

Se houver algum problema com o provider.

Returns

Se houver um problema retorna para a página de login; se o user já tiver uma conta vai para o DashBoard, se não vai para o registro.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ExternalLoginConfirmation Method

Função Post que registra o user que fez o login pela API.

VB

```
<HttpPost()> _
<AllowAnonymous()> _
<ValidateAntiForgeryToken()> _
```

```
Public Function ExternalLoginConfirmation( _
    ByVal externalLoginViewModel As ExternalLoginViewModel, _
    Optional ByVal returnUrl As String = null, _
    Optional ByVal email As String = null _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
[AllowAnonymous()]
[ValidateAntiForgeryToken()]
public Task<IActionResult> ExternalLoginConfirmation(
    ExternalLoginViewModel externalLoginViewModel,
    string returnUrl = null,
    string email = null
)
```

```
[C++]
[HttpPost()]
[AllowAnonymous()]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult>^ ExternalLoginConfirmation(
    ExternalLoginViewModel^ externalLoginViewModel,
    String^ returnUrl,
    String^ email
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

externalLoginViewModel

Guarda todos os dados necessários de um User para efetuar o login.

returnUrl

Retorna o url do DashBoard.

email

See Also

Applies to: [AccountController](#)₁₃

AccountController.ForgotPassword (ForgotPasswordViewModel) Method

Função Post para envio de email para troca de passWord.

VB

```
<HttpPost()> _
Public Function ForgotPassword( _
    ByVal forgotPasswordViewModel As ForgotPasswordViewModel _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> ForgotPassword(
    ForgotPasswordViewModel forgotPasswordViewModel
)
```

```
[C++]
[HttpPost()]
public:
Task<IActionResult>^ ForgotPassword(
    ForgotPasswordViewModel^ forgotPasswordViewModel
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

forgotPasswordViewModel

guarda os dados necessários para a troca de PassWord.

Returns

Retorna a página para a confirmação de email.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ForgotPassword Method

Função Get para retornar a página de forgot password.

VB

```
<HttpGet()> _
Public Function ForgotPassword() As IActionResult
```

C#

```
[HttpGet()]
```

```
public IActionResult ForgotPassword()
```

```
[C++]
[HttpGet()]
public:
IActionResult^ ForgotPassword()
```

```
[JScript]
public
    HttpGet()
function ForgotPassword() : IActionResult;
```

Returns

retorna a página de forgot password.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ForgotPasswordConfirmation Method

Função Get para retornar a página de confirmação do email da troca de PassWord.

VB

```
<HttpGet()> _
Public Function ForgotPasswordConfirmation() As IActionResult
```

C#

```
[HttpGet()]
public IActionResult ForgotPasswordConfirmation()
```

```
[C++]
[HttpGet()]
public:
IActionResult^ ForgotPasswordConfirmation()
```

```
[JScript]
public
    HttpGet()
function ForgotPasswordConfirmation() : IActionResult;
```

Returns

retorna a página de confirmação de email.

See Also

Applies to: [AccountController](#)₁₃

AccountController.LogOff Method

Função Post para o logout de um user.

VB

```
<HttpPost()> _  
<ValidateAntiForgeryToken()> _  
Public Function LogOff() As Task(Of IActionResult)
```

C#

```
[HttpPost()]  
[ValidateAntiForgeryToken()]  
public Task<IActionResult> LogOff()
```

```
[C++]  
[HttpPost()]  
[ValidateAntiForgeryToken()]  
public:  
Task<IActionResult^> LogOff()
```

[JScript]

JScript does not support generic types and methods.

Returns

Retorna o url para a página inicial.

See Also

Applies to: [AccountController](#)₁₃

AccountController.Login (String) Method

Função Get da página de login.

VB

```
<HttpGet()> _  
Public Function Login( _  
    ByVal returnUrl As String _  
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> Login(
    string returnUrl
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult>^ Login(
    String^ returnUrl
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

returnUrl

Guarda o url da página de login.

Returns

Retorna a página de login.

See Also

Applies to: [AccountController](#)₁₃

AccountController.Login (LoginViewModel, String) Method

Função Post do login.

VB

```
<HttpPost()> _
<ValidateAntiForgeryToken()> _
Public Function Login( _
    ByVal loginViewModel As LoginViewModel, _
    Optional ByVal returnUrl As String = null _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
[ValidateAntiForgeryToken()]
public Task<IActionResult> Login(
    LoginViewModel loginViewModel,
    string returnUrl = null
)
```

```
[C++]
[HttpPost()]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult>^ Login(
    LoginViewModel^ loginViewModel,
    String^ returnUrl
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

loginViewModel

parâmetro que guarda todos os dados necessários para o login de um user.

returnUrl

retorna o url da página do user.

Returns

retorna a página de login em caso de erro; Caso de sucesso retorna para a página do user.

See Also

Applies to: [AccountController](#)¹³

AccountController.Register (String) Method

Função Get para retornar a página de registro.

VB

```
<HttpGet()> _
Public Function Register( _
    ByVal returnUrl As String _
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> Register(
    string returnUrl
)
```

```
[C++]
[HttpGet()]
public:
```



```
Task<IActionResult> Register(
    String^ returnUrl
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

returnUrl

Url da página de registo.

Returns

retorna a página de registo.

See Also

Applies to: [AccountController](#)₁₃

AccountController.Register (RegisterViewModel, String) Method

Função HttpPost função para o registo de um user.

VB

```
<HttpPost()> _
Public Function Register( _
    ByVal registerViewModel As RegisterViewModel, _
    Optional ByVal returnUrl As String = null _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> Register(
    RegisterViewModel registerViewModel,
    string returnUrl = null
)
```

[C++]

```
[HttpPost()]
public:
Task<IActionResult> Register(
    RegisterViewModel^ registerViewModel,
    String^ returnUrl
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

registerViewModel

parametro que contém todos os dados necessários para registrar um user.

returnUrl

redericiona para a homePage.

Returns

retorna a página de registo em caso de erro; Caso de sucesso retorna para a página de verificação de email.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ResetPassword (String, String) Method

Função Get para retornar a página de Reset PassWord.

VB

```
<HttpGet()> _
Public Function ResetPassword( _
    Optional ByVal code As String = null, _
    Optional ByVal userId As String = null _
) As IActionResult
```

C#

```
[HttpGet()]
public IActionResult ResetPassword(
    string code = null,
    string userId = null
)
```

[C++]

```
[HttpGet()]
public:
IActionResult^ ResetPassword(
    String^ code,
    String^ userId
)
```

[JScript]

public

```

HttpGet()
function ResetPassword(
    code : String,
    userId : String
) : IActionResult;

```

Parameters

code

código de user.

userId

Returns

retorna a página de Reset PassWord, caso o código seja válido.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ResetPassword (ResetPasswordViewModel)

Method

Função Post para a trocar de PassWord.

VB

```

<HttpPost()> _
<ValidateAntiForgeryToken()> _
Public Function ResetPassword( _
    ByVal resetPasswordViewModel As ResetPasswordViewModel _
) As Task(Of IActionResult)

```

C#

```

[HttpPost()]
[ValidateAntiForgeryToken()]
public Task<IActionResult> ResetPassword(
    ResetPasswordViewModel resetPasswordViewModel
)

```

```

[C++]
[HttpPost()]
[ValidateAntiForgeryToken()]
public:
    Task<IActionResult>^ ResetPassword(
        ResetPasswordViewModel^ resetPasswordViewModel
    )

```

[JScript]

JScript does not support generic types and methods.

Parameters

resetPasswordViewModel

Guarda os dados necessários para a troca de PassWord.

Returns

Retorna a página de confirmação de troca de PassWord.

See Also

Applies to: [AccountController](#)₁₃

AccountController.ResetPasswordConfirmation Method

Função Get para retornar a página de confirmação de troca de PassWord.

VB

```
<HttpGet()> _  
Public Function ResetPasswordConfirmation() As IActionResult
```

C#

```
[HttpGet()]  
public IActionResult ResetPasswordConfirmation()
```

[C++]

```
[HttpGet()]  
public:  
IActionResult^ ResetPasswordConfirmation()
```

[JScript]

```
public  
    HttpGet()  
function ResetPasswordConfirmation() : IActionResult;
```

Returns

Retorna a página de confirmação de troca de PassWord.

See Also

Applies to: [AccountController](#)₁₃

AccountController.UserPage Method

VB

```
Public Function UserPage( _  
    ByVal userId As String _  
) As IActionResult
```

C#

```
public IActionResult UserPage(  
    string userId  
)
```

```
[C++]  
public:  
IActionResult^ UserPage(  
    String^ userId  
)
```

```
[JScript]  
public function UserPage(  
    userId : String  
) : IActionResult;
```

Parameters

userId

See Also

Applies to: [AccountController](#)₁₃

AdminController Class

Controller da Gestao de Administracao

VB

```
Public Class AdminController  
    Inherits Controller
```

C#

```
public class AdminController : Controller
```

```
[C++]
public ref class AdminController : public Controller^
```

```
[JScript]
public class AdminController
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)₁₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[AdminController](#)₃₀

Methods

[Create](#)₃₁, [Delete](#)₃₃, [Edit](#)₃₅, [Index](#)₃₆

AdminController Constructor

Constructor do Controller AdminController

VB

```
Public Sub New( _
    ByVal db As ApplicationDbContext, _
    ByVal userManager As UserManager(Of AppUser), _
    ByVal signInManager As SignInManager(Of AppUser) _
)
```

C#

```
public AdminController(
    ApplicationDbContext db,
    UserManager<AppUser> userManager,
    SignInManager<AppUser> signInManager
)
```

```
[C++]
public:
AdminController(
    ApplicationDbContext^ db,
    UserManager<AppUser^>^ userManager,
    SignInManager<AppUser^>^ signInManager
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

db

Base de Dados

userManager

Fornece APIs para gestao de utilizadores

signInManager

Fornece APIs para Login de utilizadores

See Also

Applies to: [AdminController](#)₂₉

AdminController.Create (String) Method

Função Get para a página de criação de um User.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Create( _
    ByVal returnUrl As String _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Create(
    string returnUrl
)
```

[C++]

```
[Authorize(Roles = "admin")]
[HttpGet()]
public:
    Task<IActionResult>^ Create(
        String^ returnUrl
    )
```

[JScript]

JScript does not support generic types and methods.

Parameters*returnUrl*

retorna o url da página de gestão dos Users.

Returns

Retorna a página de criação de Users.

See Also

Applies to: [AdminController](#)₂₉

AdminController.Create (RegisterViewModel, String) Method

Função Post para a criação de um User.

VB

```
<Authorize(Roles = "admin")> _
<HttpPost()> _
Public Function Create( _
    ByVal registerViewModel As RegisterViewModel, _
    Optional ByVal returnUrl As String = null _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpPost()]
public Task<IActionResult> Create(
    RegisterViewModel registerViewModel,
    string returnUrl = null
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
public:
    Task<IActionResult>^ Create(
        RegisterViewModel^ registerViewModel,
        String^ returnUrl
    )
```

[JScript]

JScript does not support generic types and methods.

Parameters*registerViewModel*

Guarda todos os dados necessários para a criação de um User.

returnUrl

Retorna o url de página de Gestão de Users.

Returns

Em caso de sucesso retorna a página de gestão de Users; em caso de insucesso mantém na página de criação de User.

See Also

Applies to: [AdminController](#)₂₉

AdminController.Delete Method

Função Post de apagar User.

VB

```
<Authorize(Roles = "admin")> _  
<HttpPost()> _  
Public Function Delete( _  
    ByVal userId As String _  
) As IActionResult
```

C#

```
[Authorize(Roles = "admin")]  
[HttpPost()]  
public IActionResult Delete(  
    string userId  
)
```

```
[C++]  
[Authorize(Roles = "admin")]  
[HttpPost()]  
public:  
IActionResult^ Delete(  
    String^ userId  
)
```

```
[JScript]  
public  
    Authorize(Roles = "admin")  
    HttpPost()  
function Delete(  
    userId : String  
) : IActionResult;
```

Parameters

userId

O ID do user a ser eliminado.

Returns

Retorna a página de Gestão dos Users.

See Also

Applies to: [AdminController](#)₂₉

AdminController.Edit (AppUser) Method

Função Post para o "Edit User".

VB

```
<Authorize(Roles = "admin")> _  
<HttpPost()> _  
<ValidateAntiForgeryToken()> _  
Public Function Edit( _  
    ByVal user As AppUser _  
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]  
[HttpPost()]  
[ValidateAntiForgeryToken()]  
public Task<IActionResult> Edit(  
    AppUser user  
)
```

```
[C++]  
[Authorize(Roles = "admin")]  
[HttpPost()]  
[ValidateAntiForgeryToken()]  
public:  
Task<IActionResult>^ Edit(  
    AppUser^ user  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

user

User a ser editado.

Returns

Página a página de gestão de Users.

See Also

Applies to: [AdminController](#)₂₉

AdminController.Edit (String) Method

Função Get da Página "Edit User".

VB

```
<HttpGet()> _  
<Authorize(Roles = "admin")> _  
Public Function Edit( _  
    ByVal userId As String _  
) As IActionResult
```

C#

```
[HttpGet()]  
[Authorize(Roles = "admin")]  
public IActionResult Edit(  
    string userId  
)
```

```
[C++]  
[HttpGet()]  
[Authorize(Roles = "admin")]  
public:  
IActionResult^ Edit(  
    String^ userId  
)
```

```
[JScript]  
public  
    HttpGet()  
    Authorize(Roles = "admin")  
function Edit(  
    userId : String  
) : IActionResult;
```

Parameters

userId

iD do User.

Returns

Retorna a página de "Editar User".

See Also

Applies to: [AdminController](#)₂₉

AdminController.Index Method

Função Get para retornar uma lista de Users.

VB

```
<HttpGet()> _  
<Authorize(Roles = "admin")> _  
Public Function Index() As IActionResult
```

C#

```
[HttpGet()]  
[Authorize(Roles = "admin")]  
public IActionResult Index()
```

```
[C++]  
[HttpGet()]  
[Authorize(Roles = "admin")]  
public:  
IActionResult^ Index()
```

```
[JScript]  
public  
    HttpGet()  
    Authorize(Roles = "admin")  
function Index() : IActionResult;
```

Returns

Retorna uma página da lista de Users.

See Also

Applies to: [AdminController](#)₂₉

HomeController Class

Classe de controlo da HomePage.

VB

```
Public Class HomeController  
    Inherits Controller
```

C#

```
public class HomeController : Controller
```

```
[C++]
public ref class HomeController : public Controller^
```

```
[JScript]
public class HomeController
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)₁₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[HomeController](#)₃₇

Methods

[Error](#)₃₈, [Index](#)₃₉, [Privacy](#)₃₉

HomeController Constructor

Construtor da classe.

VB

```
Public Sub New( _
    ByVal logger As ILogger(Of HomeController), _
    ByVal roleManager As RoleManager(Of IdentityRole) _
)
```

C#

```
public HomeController(
    ILogger<HomeController> logger,
    RoleManager<IdentityRole> roleManager
)
```

```
[C++]
public:
    HomeController(
        ILogger<HomeController^>^ logger,
        RoleManager<IdentityRole^>^ roleManager
    )
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

logger

parametro que guarda os logs feitos.

roleManager

Fornece APIs para gestao de roles de utilizadores

See Also

Applies to: [HomeController](#)₃₆

HomeController.Error Method

Função usada em caso de erro.

VB

```
<ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)> _  
Public Function Error() As IActionResult
```

C#

```
[ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]  
public IActionResult Error()
```

[C++]

```
[ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)]  
public:  
IActionResult^ Error()
```

[JScript]

```
public  
ResponseCache(Duration = 0, Location = ResponseCacheLocation.None, NoStore = true)  
function Error() : IActionResult;
```

Returns

Retorna uma página com o erro ocorrido.

See Also

Applies to: [HomeController](#)₃₆

HomeController.Index Method

Função de criação de Role, caso não exista.

VB

```
Public Function Index() As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> Index()
```

[C++]

```
public:  
Task<IActionResult>^ Index()
```

[JScript]

JScript does not support generic types and methods.

Returns

Retorno da página principal.

See Also

Applies to: [HomeController](#)₃₆

HomeController.Privacy Method

VB

```
Public Function Privacy() As IActionResult
```

C#

```
public IActionResult Privacy()
```

[C++]

```
public:  
IActionResult^ Privacy()
```

[JScript]

```
public function Privacy() : IActionResult;
```

See Also

Applies to: [HomeController](#)₃₆

ProductsController Class

VB

```
Public Class ProductsController
    Inherits Controller
```

C#

```
public class ProductsController : Controller
```

[C++]

```
public ref class ProductsController : public Controller^
```

[JScript]

```
public class ProductsController
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)₁₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[ProductsController](#)₄₀

Methods

[AdminProductsTransactions](#)₄₁, [CancelTransaction](#)₄₂, [ConfirmCancelTransaction](#)₄₂,
[ConfirmDeliverTransaction](#)₄₃, [ConfirmTransactions](#)₄₄, [Create](#)₄₄, [Delete](#)₄₆, [DeleteConfirmed](#)₄₇, [Details](#)₄₈,
[Edit](#)₅₀, [Filtro](#)₅₀, [Index](#)₅₁, [ProductsTransactions](#)₅₂

ProductsController Constructor

Constutor da classe.

VB

```
Public Sub New( _
    ByVal context As ApplicationDbContext _
)
```


C#

```
public ProductsController(  
    ApplicationDbContext context  
)
```

```
[C++]  
public:  
ProductsController(  
    ApplicationDbContext^ context  
)
```

```
[JScript]  
public function ProductsController(  
    context : ApplicationDbContext  
);
```

Parameters

context

parametro para a database

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.AdminProductsTransactions Method

VB

```
Public Function AdminProductsTransactions() As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> AdminProductsTransactions()
```

```
[C++]  
public:  
Task<IActionResult>^ AdminProductsTransactions()
```

```
[JScript]  
JScript does not support generic types and methods.
```

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.CancelTransaction Method

VB

```
Public Function CancelTransaction( _  
    ByVal transId As Guid _  
) As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> CancelTransaction(  
    Guid transId  
)
```

```
[C++]  
public:  
Task<IActionResult>^ CancelTransaction(  
    Guid transId  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

transId

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.ConfirmCancelTransaction Method

VB

```
Public Function ConfirmCancelTransaction( _  
    ByVal transId As Guid _  
) As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> ConfirmCancelTransaction(  
    Guid transId  
)
```

```
[C++]
public:
Task<IActionResult> ConfirmCancelTransaction(
    Guid transId
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

transId

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.ConfirmDeliverTransaction Method

VB

```
Public Function ConfirmDeliverTransaction( _
    ByVal transId As Guid _
) As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> ConfirmDeliverTransaction(
    Guid transId
)
```

```
[C++]
public:
Task<IActionResult> ConfirmDeliverTransaction(
    Guid transId
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

transId

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.ConfirmTransactions Method

VB

```
Public Function ConfirmTransactions( _  
    ByVal transId As Guid _  
) As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> ConfirmTransactions(  
    Guid transId  
)
```

```
[C++]  
public:  
Task<IActionResult>^ ConfirmTransactions(  
    Guid transId  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

transId

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Create Method

VB

```
<Authorize(Roles = "admin")> _  
<HttpGet()> _  
Public Function Create() As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]  
[HttpGet()]
```

```
public Task<IActionResult> Create()
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
Task<IActionResult>^ Create()
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Create (Product) Method

Função HttpPost para criação de um produto.

VB

```
<Authorize(Roles = "admin")> _
<HttpPost()> _
<ValidateAntiForgeryToken()> _
Public Function Create( _
    <Bind("Id,Name,Description,Points,Tax,Stock,ProductCategoryId,Image")> _
    ByVal product As Product _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public Task<IActionResult> Create(
    [Bind("Id,Name,Description,Points,Tax,Stock,ProductCategoryId,Image")]
    Product product
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult>^ Create(
    [Bind("Id,Name,Description,Points,Tax,Stock,ProductCategoryId,Image")]
    Product^ product
)
```

```
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

product

parametro para guardar os dados acerca do produto.

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Delete Method

Função HttpGet retorna a página de confirmação de delete.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Delete(
    ByVal id As Nullable(Of Guid) _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Delete(
    Nullable<Guid> id
)
```

[C++]

```
[Authorize(Roles = "admin")]
[HttpGet()]
public:
    Task<IActionResult^> Delete(
        Nullable<Guid^> id
    )
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

parametro que guarda o id do produto a ser eliminado.

Returns

retorna a página de confirmação de delete

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.DeleteConfirmed Method

Função HttpPost que retorna a página da lista de produtos.

VB

```
<Authorize(Roles = "admin")> _
<HttpPost()> _
<ActionName("Delete")> _
<ValidateAntiForgeryToken()> _
Public Function DeleteConfirmed( _
    ByVal id As Guid _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpPost()]
[ActionName("Delete")]
[ValidateAntiForgeryToken()]
public Task<IActionResult> DeleteConfirmed(
    Guid id
)
```

[C++]

```
[Authorize(Roles = "admin")]
[HttpPost()]
[ActionName("Delete")]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult^> DeleteConfirmed(
    Guid id
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

<default>

Returns

retorna a página da lista de produtos

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Details Method

VB

```
<HttpGet()> _  
Public Function Details( _  
    ByVal id As Nullable(Of Guid) _  
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]  
public Task<IActionResult> Details(  
    Nullable<Guid> id  
)
```

```
[C++]  
[HttpGet()]  
public:  
Task<IActionResult>^ Details(  
    Nullable<Guid> id  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Edit (Guid, Product) Method

Função HttpPost para retornar a página da lista de produtos quando o valor já tiver sido editado.

VB


```

<Authorize(Roles = "admin")> _
<HttpPost()> _
<ValidateAntiForgeryToken()> _
Public Function Edit( _
    ByVal id As Guid, _
    <Bind("Id,Name,Description,Price,Tax,Stock,ProductCategoryId,Image")> _
    ByVal product As Product _
) As Task(Of IActionResult)

```

C#

```

[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public Task<IActionResult> Edit(
    Guid id,
    [Bind("Id,Name,Description,Price,Tax,Stock,ProductCategoryId,Image")]
    Product product
)

```

```

[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public:
    Task<IActionResult^> Edit(
        Guid id,
        [Bind("Id,Name,Description,Price,Tax,Stock,ProductCategoryId,Image")]
        Product^ product
    )

```

[JScript]

JScript does not support generic types and methods.

Parameters

id

parametro que guarda o id do produto.

product

parametro que guarda os valores do produto.

Returns

retorna a página da lista de produtos quando o valor já tiver sido editado

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Edit (Nullable<Guid>) Method

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Edit( _
    ByVal id As Nullable(Of Guid) _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Edit(
    Nullable<Guid> id
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
    Task<IActionResult>^ Edit(
        Nullable<Guid> id
    )
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Filtra Method

VB

```
<Authorize(Roles = "admin")> _
<HttpPost()> _
Public Function Filtra( _
    ByVal nome As String, _
    ByVal maxp As Single, _
    ByVal minp As Single, _
    ByVal categoria As String _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpPost()]
public Task<IActionResult> Filtra(
    string nome,
    float maxp,
    float minp,
    string categoria
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
public:
Task<IActionResult> Filtra(
    String^ nome,
    float maxp,
    float minp,
    String^ categoria
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

nome

maxp

minp

categoria

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.Index Method**VB**

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Index() As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Index()
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
Task<IActionResult^>^ Index()
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ProductsController](#)₄₀

ProductsController.ProductsTransactions Method**VB**

```
Public Function ProductsTransactions( _
    ByVal userId As String _
) As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> ProductsTransactions(
    string userId
)
```

```
[C++]
public:
Task<IActionResult^>^ ProductsTransactions(
    String^ userId
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

userId

See Also

Applies to: [ProductsController](#)₄₀

RecyclingBinsController Class

Contralador dos Ecopontos.

VB

```
Public Class RecyclingBinsController
    Inherits Controller
```

C#

```
public class RecyclingBinsController : Controller
```

[C++]

```
public ref class RecyclingBinsController : public Controller^
```

[JScript]

```
public class RecyclingBinsController
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)₁₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[RecyclingBinsController](#)₅₃

Methods

[Create](#)₅₄, [Delete](#)₅₆, [DeleteConfirmed](#)₅₇, [Details](#)₅₈, [EcoLog](#)₅₉, [EcoLogin](#)₆₀, [Ecos](#)₆₁, [Edit](#)₆₃, [Filter](#)₆₄,
[FiltrarMapa](#)₆₅, [FullBins](#)₆₆, [GoogleMaps](#)₆₆, [Index](#)₆₇, [UpdateTypeChoice](#)₆₇

RecyclingBinsController Constructor

Construtor da classe.

VB

```
Public Sub New( _
    ByVal context As ApplicationDbContext, _
    ByVal userManager As UserManager\(Of AppUser\) _
)
```

C#

```
public RecyclingBinsController(
    ApplicationDbContext context,
    UserManager<AppUser> userManager
)
```

```
[C++]
public:
RecyclingBinsController(
    ApplicationDbContext^ context,
    UserManager<AppUser>^ userManager
)
```

[JScript]

JScript does not support generic types and methods.

Parameters*context*

parametro da database

userManager

Fornece APIs para gestao de utilizadores

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Create (String) Method

Função HttpGet para a criação de um ecoponto.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Create( _
    ByVal selectedOption As String _
) As IActionResult
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public IActionResult Create(
    string selectedOption
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
ActionResult^ Create(
    String^ selectedOption
)
```

```
[JScript]
public
    Authorize(Roles = "admin")
    HttpGet()
function Create(
    selectedOption : String
) : IActionResult;
```

Parameters

selectedOption

Returns

retorna a página desse ecoponto criado.

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Create (RecyclingBin) Method

Função HttpPost que retorna a página do ecoponto criado.

VB

```
<Authorize(Roles = "admin")> _
<HttpPost()> _
<ValidateAntiForgeryToken()> _
Public Function Create( _

    <Bind("Id,Type,Latitude,Longitude,Description,Capacity,CurrentCapacity,Status,Re
cyclingBinTypeId")> _
    ByVal recyclingBin As RecyclingBin _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public Task<ActionResult> Create(
```

```
[Bind("Id,Type,Latitude,Longitude,Description,Capacity,CurrentCapacity,Status,RecyclingBinTypeId")]
    RecyclingBin recyclingBin
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult> Create(

[Bind("Id,Type,Latitude,Longitude,Description,Capacity,CurrentCapacity,Status,RecyclingBinTypeId")]
    RecyclingBin^ recyclingBin
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

recyclingBin

dados do ecoponto a ser criado.

Returns

retorna a página do ecoponto criado

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Delete Method

Função HttpGet para a eliminação de um ecoponto.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Delete( _
    ByVal id As Nullable(Of Guid) _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Delete(
```



```

        Nullable<Guid> id
    )

```

```

[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
Task<IActionResult> Delete(
    Nullable<Guid> id
)

```

[JScript]

JScript does not support generic types and methods.

Parameters

id

id do ecoponto a ser eliminado.

Returns

retorna a página da lista de ecopontos.

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.DeleteConfirmed Method

Função HttpPost que retorna a página de confirmação de delete.

VB

```

<Authorize(Roles = "admin")> _
<HttpPost()> _
<ActionName("Delete")> _
<ValidateAntiForgeryToken()> _
Public Function DeleteConfirmed( _
    ByVal id As Nullable(Of Guid) _
) As Task(Of IActionResult)

```

C#

```

[Authorize(Roles = "admin")]
[HttpPost()]
[ActionName("Delete")]
[ValidateAntiForgeryToken()]
public Task<IActionResult> DeleteConfirmed(
    Nullable<Guid> id
)

```

```
[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
[ActionName("Delete")]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult> DeleteConfirmed(
    Nullable<Guid> id
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

id

id do ecoponto a ser eliminado.

Returns

retorna a página da lista de ecopontos.

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Details Method

Função HttpGet que retorna o detalhes de um ecoponto.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Details( _
    ByVal id As Nullable(Of Guid) _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Details(
    Nullable<Guid> id
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
```

```
public:
Task<IActionResult> Details(
    Nullable<Guid> id
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

parametro que guarda o ID do ecoponto.

Returns

retorna o detalhes de um ecoponto

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.EcoLog Method

Função HttpGet que retorna a página de interface simulada para introduzir o código do ecoponto.

VB

```
<HttpGet()> _
Public Function EcoLog() As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> EcoLog()
```

[C++]

```
[HttpGet()]
public:
Task<IActionResult> EcoLog()
```

[JScript]

JScript does not support generic types and methods.

Returns

retorna a página de interface simulada para introduzir o código do ecoponto

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.EcoLogin (EcoLogViewModel) Method

Função HttpGet que retorna a página de introdução do código de reciclagem.

VB

```
<HttpGet()> _  
Public Function EcoLogin( _  
    ByVal model As EcoLogViewModel _  
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]  
public Task<IActionResult> EcoLogin(  
    EcoLogViewModel model  
)
```

```
[C++]  
[HttpGet()]  
public:  
Task<IActionResult>^ EcoLogin(  
    EcoLogViewModel^ model  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

model

<default>

Returns

retorna a página de introdução do código de reciclagem

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.EcoLogin (Nullable<Guid>, String) Method

Função HttpPost que retorna a página de simulação de reciclagem no ecoponto escolhido em caso de sucesso, e em caso de insucesso retorna para a página de introdução do código único.

VB

```
<HttpPost()> _
Public Function EcoLogin( _
    ByVal binId As Nullable(Of Guid), _
    ByVal uniqueCode As String _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> EcoLogin(
    Nullable<Guid> binId,
    string uniqueCode
)
```

```
[C++]
[HttpPost()]
public:
Task<IActionResult>^ EcoLogin(
    Nullable<Guid> binId,
    String^ uniqueCode
)
```

[JScript]

JScript does not support generic types and methods.

Parameters*binId*

Id do ecoponto.

uniqueCode

Código único de transação.

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Ecos Method**VB**

```
Public Function Ecos() As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> Ecos()
```

```
[C++]
public:
Task<IActionResult>^ Ecos()
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Edit (Guid, RecyclingBin) Method

Função HttpPost que retorna a lista de eco ponto depois de um ser editado.

VB

```
<Authorize(Roles = "admin")> _
<HttpPost()> _
<ValidateAntiForgeryToken()> _
Public Function Edit( _
    ByVal id As Guid, _

    <Bind("Id,Type,Latitude,Longitude,Description,Capacity,CurrentCapacity,Status,
    RecyclingBinTypeId")> _
    ByVal recyclingBin As RecyclingBin _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public Task<IActionResult> Edit(
    Guid id,

    [Bind("Id,Type,Latitude,Longitude,Description,Capacity,CurrentCapacity,Status,
    RecyclingBinTypeId")]
    RecyclingBin recyclingBin
)
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpPost()]
[ValidateAntiForgeryToken()]
public:
Task<IActionResult>^ Edit(
    Guid id,
```

```
[Bind("Id,Type,Latitude,Longitude,Description,Capacity,CurrentCapacity,Status,
RecyclingBinTypeId")]
    RecyclingBin^ recyclingBin
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

Id do ecoponto a ser editado.

recyclingBin

ecoponto a ser editado.

Returns

retorna a página da lista de ecopontos.

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Edit (Nullable<Guid>) Method

Função HttpGet para a edição de um ecoponto.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Edit( _
    ByVal id As Nullable(Of Guid) _
) As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Edit(
    Nullable<Guid> id
)
```

[C++]

```
[Authorize(Roles = "admin")]
[HttpGet()]
public:
    Task<IActionResult>^ Edit(
        Nullable<Guid> id
```

)

[JScript]

JScript does not support generic types and methods.

Parameters*id*

id do ecoponto a ser editado.

Returns

retorna a edição do ecoponto.

See AlsoApplies to: [RecyclingBinsController](#)₅₃**RecyclingBinsController.Filter Method**

Função HTTPGet que devolve uma view com os ecopontos filtrados

VB

```

<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Filter( _
    ByVal model As FilterViewModel _
) As Task(Of IActionResult)

```

C#

```

[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Filter(
    FilterViewModel model
)

```

```

[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
    Task<IActionResult^> Filter(
        FilterViewModel^ model
    )

```

[JScript]

JScript does not support generic types and methods.

Parameters

model

modelo utilizado no formulario

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.FiltrarMapa Method

VB

```
<HttpPost()> _
Public Function FiltrarMapa( _
    ByVal status As String, _
    ByVal tolcap As Double, _
    ByVal curcap As Double, _
    ByVal type As String _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> FiltrarMapa(
    string status,
    double tolcap,
    double curcap,
    string type
)
```

```
[C++]
[HttpPost()]
public:
    Task<IActionResult>^ FiltrarMapa(
        String^ status,
        double tolcap,
        double curcap,
        String^ type
    )
```

[JScript]

JScript does not support generic types and methods.

Parameters

status

tolcap

curcap

type

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.FullBins Method

VB

```
Public Function FullBins() As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> FullBins()
```

[C++]

```
public:  
Task<IActionResult>^ FullBins()
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.GoogleMaps Method

VB

```
<HttpGet()> _  
Public Function GoogleMaps() As Task(Of IActionResult)
```

C#

```
[HttpGet()]  
public Task<IActionResult> GoogleMaps()
```

[C++]

```
[HttpGet()]
public:
Task<IActionResult> GoogleMaps()
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.Index Method

Função HttpGet que retorna a página da lista de ecopontos.

VB

```
<Authorize(Roles = "admin")> _
<HttpGet()> _
Public Function Index() As Task(Of IActionResult)
```

C#

```
[Authorize(Roles = "admin")]
[HttpGet()]
public Task<IActionResult> Index()
```

```
[C++]
[Authorize(Roles = "admin")]
[HttpGet()]
public:
Task<IActionResult> Index()
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [RecyclingBinsController](#)₅₃

RecyclingBinsController.UpdateTypeChoise Method

Função que devolve o id do tipo de ecoponto

VB

```
Public Function UpdateTypeChoise( _
    ByVal selectedOption As String _
) As RecyclingBin
```

C#

```
public RecyclingBin UpdateTypeChoise(
    string selectedOption
)
```

```
[C++]
public:
RecyclingBin^ UpdateTypeChoise(
    String^ selectedOption
)
```

```
[JScript]
public function UpdateTypeChoise(
    selectedOption : String
) : RecyclingBin;
```

Parameters*selectedOption*

opção escolhida

See AlsoApplies to: [RecyclingBinsController](#)₅₃**RecyclingTransactionController Class**

Controller da gestão de Transações de reciclagem

VB

```
Public Class RecyclingTransactionController
    Inherits Controller
```

C#

```
public class RecyclingTransactionController : Controller
```

[C++]

```
public ref class RecyclingTransactionController : public Controller^
```

```
[JScript]
public class RecyclingTransactionController
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)₁₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[RecyclingTransactionController](#)₆₉

Methods

[CancelConfirm](#)₇₀, [CancelTrans](#)₇₀, [FinishRecycling](#)₇₁, [Index](#)₇₂, [Rec](#)₇₃, [Reciclar](#)₇₄, [TransacionList](#)₇₅,
[UpdateBin](#)₇₆

RecyclingTransactionController Constructor

Construtor do Controller RecyclingTransactionController

VB

```
Public Sub New( _
    ByVal db As ApplicationDbContext, _
    ByVal userManager As SignInManager(Of AppUser) _
)
```

C#

```
public RecyclingTransactionController(
    ApplicationDbContext db,
    SignInManager<AppUser> userManager
)
```

```
[C++]
public:
RecyclingTransactionController(
    ApplicationDbContext^ db,
    SignInManager<AppUser^>^ userManager
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

db

Base de Dados

userManager

Fornece APIs para gestao de utilizadores

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.CancelConfirm Method

Função HTTPPost que confirma o cancelamento da transação de reciclagem

VB

```
<HttpPost()> _
Public Function CancelConfirm( _
    ByVal idEco As String _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> CancelConfirm(
    string idEco
)
```

```
[C++]
[HttpPost()]
public:
    Task<IActionResult>^ CancelConfirm(
        String^ idEco
    )
```

[JScript]

JScript does not support generic types and methods.

Parameters

idEco

id do ecoponto que esta a ser utilizado

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.CancelTrans Method

Função HTTPPost de cancelamento do processo de reciclagem

VB

```
<HttpPost()> _
Public Function CancelTrans( _
    ByVal idEco As String, _
    ByVal nome As String, _
    ByVal type As String _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> CancelTrans(
    string idEco,
    string nome,
    string type
)
```

```
[C++]
[HttpPost()]
public:
Task<IActionResult^> CancelTrans(
    String^ idEco,
    String^ nome,
    String^ type
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

idEco

id do ecoponto utilizado

nome

user name do utilizador

type

tipo de ecoponto

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.FinishRecycling Method

Função HTTPPost que finaliza o processo de reciclagem e guarda na base de dados

VB

```
<HttpPost()> _
```

```
Public Function FinishRecycling( _  
    ByVal idEco As String, _  
    ByVal nome As String, _  
    ByVal peso As Double, _  
    ByVal pontos As Integer _  
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]  
public Task<IActionResult> FinishRecycling(  
    string idEco,  
    string nome,  
    double peso,  
    int pontos  
)
```

```
[C++]  
[HttpPost()]  
public:  
Task<IActionResult>^ FinishRecycling(  
    String^ idEco,  
    String^ nome,  
    double peso,  
    int pontos  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

idEco

id do ecoponto utilizado

nome

user name do utilizador

peso

peso do processo de reciclagem

pontos

pontos do processo de reciclagem

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.Index Method

Função HTTPGet que retorna uma view com a lista dos ecopontos

VB

```
<HttpGet()> _
<Authorize(Roles = "client")> _
Public Function Index() As Task(Of IActionResult)
```

C#

```
[HttpGet()]
[Authorize(Roles = "client")]
public Task<IActionResult> Index()
```

```
[C++]
[HttpGet()]
[Authorize(Roles = "client")]
public:
    Task<IActionResult^> Index()
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.Rec Method

Função HTTPPost que recebe um item para reciclagem e verifica se é valido para o ecoponto que esta a ser utilizado

VB

```
<HttpPost()> _
Public Function Rec( _
    ByVal idEco As String, _
    ByVal type As String, _
    ByVal nome As String, _
    ByVal itemName As String, _
    ByVal reciclados As List(Of RecItems) _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> Rec(
    string idEco,
    string type,
    string nome,
```

```

        string itemName,
        List<RecItems> reciclados
    )

```

```

[C++]
[HttpPost()]
public:
Task<IActionResult>^ Rec(
    String^ idEco,
    String^ type,
    String^ nome,
    String^ itemName,
    List<RecItems>^ reciclados
)

```

[JScript]

JScript does not support generic types and methods.

Parameters

idEco

id do ecoponto a ser utilizado

type

tipo de resíduos que o ecoponto recebe

nome

nome do utilizador que esta a usar o ecoponto

itemName

nome do item a verificar

reciclados

<default>

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.Reciclar Method

Função HTTPGet retorna a pagina do processo de reciclagem

VB

```

<HttpGet()> _
Public Function Reciclar( _
    ByVal binid As Nullable(Of Guid), _
    ByVal type As String, _
    ByVal userName As String _
) As Task(Of IActionResult)

```

C#

```
[HttpGet()]
public Task<IActionResult> Reciclar(
    Nullable<Guid> binid,
    string type,
    string userName
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult>^ Reciclar(
    Nullable<Guid> binid,
    String^ type,
    String^ userName
)
```

[JScript]

JScript does not support generic types and methods.

Parameters*binid*

id do ecoponto a ser utilizado

type

tipo de residuos que o ecoponto recebe

userName

nome do utilizador que esta a usar o ecoponto

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.TransacionList Method

Função HTTPpost que recebe o id do utilizador e retorna uma view com as transações de reciclagem do respetivo utilizador

VB

```
Public Function TransacionList( _
    ByVal userId As String _
) As Task(Of IActionResult)
```

C#

```
public Task<IActionResult> TransacionList(
    string userId
```

```
)
```

```
[C++]
public:
Task<IActionResult>^ TransaccionList(
    String^ userId
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

userId

id do utilizador

See Also

Applies to: [RecyclingTransactionController](#)₆₈

RecyclingTransactionController.UpdateBin Method

VB

```
<HttpPost()> _
Public Function UpdateBin( _
    ByVal id As String _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> UpdateBin(
    string id
)
```

```
[C++]
[HttpPost()]
public:
Task<IActionResult>^ UpdateBin(
    String^ id
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

id

See Also

Applies to: [RecyclingTransactionController](#)⁶⁸

StoreController Class

VB

```
Public Class StoreController
    Inherits Controller
```

C#

```
public class StoreController : Controller
```

[C++]

```
public ref class StoreController : public Controller^
```

[JScript]

```
public class StoreController
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Controllers](#)¹³

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[StoreController](#)⁷⁷

Methods

[Add](#)⁷⁸, [Checkout](#)⁷⁹, [DeleteAllFromCart](#)⁸⁰, [DeleteFromCart](#)⁸⁰, [Filtrar](#)⁸¹, [FinalizeCheckout](#)⁸², [Index](#)⁸³,
[Order](#)⁸⁴, [UpdateQuantity](#)⁸⁵

StoreController Constructor

Constutor da classe.

VB

```
Public Sub New( _
```

```
ByVal context As ApplicationDbContext, _  
ByVal emailService As IEmailService _  
)
```

C#

```
public StoreController(  
    ApplicationDbContext context,  
    IEmailService emailService  
)
```

```
[C++]  
public:  
StoreController(  
    ApplicationDbContext^ context,  
    IEmailService^ emailService  
)
```

```
[JScript]  
public function StoreController(  
    context : ApplicationDbContext,  
    emailService : IEmailService  
);
```

Parameters

context

parametro para a database

emailService

See Also

Applies to: [StoreController](#)⁷⁷

StoreController.Add Method

Função HTTPGet que retorna uma view com a lista atualizada de produtos, depois de adicionar um.

VB

```
<HttpGet()> _  
Public Function Add( _  
    ByVal id As String _  
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> Add(
    string id
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult^> Add(
    String^ id
)
```

[JScript]
JScript does not support generic types and methods.

Parameters

id

id do produto a ser adicionado.

See Also

Applies to: [StoreController](#)₇₇

StoreController.Checkout Method

VB

```
<HttpGet()> _
Public Function Checkout() As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> Checkout()
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult^> Checkout()
```

[JScript]
JScript does not support generic types and methods.

See Also

Applies to: [StoreController](#)₇₇

StoreController.DeleteAllFromCart Method

Função que retorna uma view com a lista atualizada de produtos, depois desses serem eliminados.

VB

```
<HttpGet()> _  
Public Function DeleteAllFromCart() As Task(Of IActionResult)
```

C#

```
[HttpGet()]  
public Task<IActionResult> DeleteAllFromCart()
```

```
[C++]  
[HttpGet()]  
public:  
Task<IActionResult>^ DeleteAllFromCart()
```

[JScript]

JScript does not support generic types and methods.

Returns

retorna uma view com a lista atualizada de produtos, depois desses serem eliminados.

See Also

Applies to: [StoreController](#)₇₇

StoreController.DeleteFromCart Method

Função que retorna uma view com a lista atualizada de produtos, depois de um ser eliminado.

VB

```
<HttpGet()> _  
Public Function DeleteFromCart( _  
    ByVal Id As String _  
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
```



```
public Task<IActionResult> DeleteFromCart(
    string Id
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult> DeleteFromCart(
    String^ Id
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

Id

id do produto a ser eliminado.

Returns

retorna uma view com a lista atualizada de produtos, depois de um ser eliminado.

See Also

Applies to: [StoreController](#)₇₇

StoreController.Filtra Method

Função HTTPGet que retorna uma view com a lista atualizada de produtos, depois de filtrar pelos dados pretendidos pelo user.

VB

```
<HttpPost()> _
Public Function Filtra( _
    ByVal nome As String, _
    ByVal maxp As Single, _
    ByVal minp As Single, _
    ByVal categoria As String _
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]
public Task<IActionResult> Filtra(
    string nome,
    float maxp,
    float minp,
    string categoria
)
```

```
)
```

```
[C++]
[HttpPost()]
public:
Task<IActionResult>^ Filtra(
    String^ nome,
    float maxp,
    float minp,
    String^ categoria
)
```

```
[JScript]
JScript does not support generic types and methods.
```

Parameters

nome

parametro nome para filtragem dos produtos.

maxp

parametro máximo de preço, maxp, para filtragem dos produtos.

minp

parametro mínimo de preço, minp, para filtragem dos produtos.

categoria

parametro categoria, categoria, para filtragem dos produtos.

Returns

retorna uma view com a lista atualizada de produtos, depois de «filtrar pelos dados pretendidos pelo user.

See Also

Applies to: [StoreController](#)⁷⁷

StoreController.FinalizeCheckout Method

VB

```
<HttpGet()> _
Public Function FinalizeCheckout( _
    ByVal name As String, _
    ByVal total As Integer _
) As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> FinalizeCheckout(
    string name,
    int total
)
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult>^ FinalizeCheckout(
    String^ name,
    int total
)
```

[JScript]
JScript does not support generic types and methods.

Parameters

name

total

See Also

Applies to: [StoreController](#)₇₇

StoreController.Index Method

Função HTTPGet que retorna uma view com a lista dos produtos.

VB

```
<HttpGet()> _
Public Function Index() As Task(Of IActionResult)
```

C#

```
[HttpGet()]
public Task<IActionResult> Index()
```

```
[C++]
[HttpGet()]
public:
Task<IActionResult>^ Index()
```

[JScript]

JScript does not support generic types and methods.

Returns

retorna uma view que contém a lista de produtos.

See Also

Applies to: [StoreController](#)⁷⁷

StoreController.Order Method

Função que retorna uma view com a lista atualizada de produtos, depois de ordenar pela forma pretendida.

VB

```
<HttpPost()> _  
Public Function Order( _  
    ByVal orderList As String _  
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]  
public Task<IActionResult> Order(  
    string orderList  
)
```

[C++]

```
[HttpPost()]  
public:  
Task<IActionResult>^ Order(  
    String^ orderList  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

orderList

lista de produtos a ser ordenada.

Returns

retorna uma view com a lista atualizada de produtos, depois de ordenar pela forma pretendida.

See Also

Applies to: [StoreController](#)₇₇

StoreController.UpdateQuantity Method

Função HTTPGet que retorna uma view com a lista atualizada de produtos, depois desses serem eliminados.

VB

```
<HttpPost()> _  
Public Function UpdateQuantity( _  
    ByVal id As String, _  
    ByVal quantity As Integer _  
) As Task(Of IActionResult)
```

C#

```
[HttpPost()]  
public Task<IActionResult> UpdateQuantity(  
    string id,  
    int quantity  
)
```

```
[C++]  
[HttpPost()]  
public:  
Task<IActionResult>^ UpdateQuantity(  
    String^ id,  
    int quantity  
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

id

<default>

quantity

<default>

See Also

Applies to: [StoreController](#)₇₇

GlobalImpact.Data Namespace

Classes

[ApplicationDbContext](#)⁸⁶, [CartItem](#)⁹³, [StationeryDb](#)⁹⁴, [StationeryItems](#)⁹⁵

ApplicationDbContext Class

Classe de Auxílio à migração dos dados.

VB

```
Public Class ApplicationDbContext
    Inherits IdentityDbContext(Of AppUser)
```

C#

```
public class ApplicationDbContext : IdentityDbContext<AppUser>
```

[C++]

```
public ref class ApplicationDbContext : public IdentityDbContext<AppUser^>^
```

[JScript]

JScript does not support generic types and methods.

Requirements

Namespace: [GlobalImpact.Data](#)⁸⁶

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[ApplicationDbContext](#)⁸⁶

Properties

[AppUser](#)⁸⁷, [ProductTransactionStatus](#)⁸⁸, [ProductTransactions](#)⁸⁸, [Products](#)⁸⁹, [ProductsCategory](#)⁸⁹,
[RecyclingBinType](#)⁹⁰, [RecyclingBins](#)⁹¹, [RecyclingTransactions](#)⁹¹

Methods

[OnModelCreating](#)⁹²

ApplicationDbContext Constructor

VB

```
Public Sub New( _
```

```
ByVal options As DbContextOptions(Of ApplicationDbContext) _
)
```

C#

```
public ApplicationDbContext(
    DbContextOptions<ApplicationDbContext> options
)
```

```
[C++]
public:
ApplicationDbContext(
    DbContextOptions<ApplicationDbContext^>^ options
)
```

[JScript]

JScript does not support generic types and methods.

Parameters

options

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.AppUser Property**VB**

```
Public Property AppUser() As DbSet(Of AppUser)
```

C#

```
public DbSet<AppUser> AppUser {get; set;}
```

```
[C++]
public:
property DbSet<AppUser^>^ AppUser {
    DbSet<AppUser^>^ get( );
    void set(
        DbSet<AppUser^>^ value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)⁸⁶

ApplicationDbContext.ProductTransactionStatus Property

VB

```
Public Property ProductTransactionStatus() As DbSet(Of ProductTransactionStatus)
```

C#

```
public DbSet<ProductTransactionStatus> ProductTransactionStatus {get; set;}
```

[C++]

```
public:
property DbSet<ProductTransactionStatus^> ProductTransactionStatus {
    DbSet<ProductTransactionStatus^> get( );
    void set(
        DbSet<ProductTransactionStatus^> value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)⁸⁶

ApplicationDbContext.ProductTransactions Property

VB

```
Public Property ProductTransactions() As DbSet(Of ProductTransactions)
```

C#

```
public DbSet<ProductTransactions> ProductTransactions {get; set;}
```



```
[C++]
public:
property DbSet<ProductTransactions^>^ ProductTransactions {
    DbSet<ProductTransactions^>^ get( );
    void set(
        DbSet<ProductTransactions^>^ value
    );
}
```

[JScript]
JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.Products Property

VB

```
Public Property Products() As DbSet(Of Product)
```

C#

```
public DbSet<Product> Products {get; set;}
```

```
[C++]
public:
property DbSet<Product^>^ Products {
    DbSet<Product^>^ get( );
    void set(
        DbSet<Product^>^ value
    );
}
```

[JScript]
JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.ProductsCategory Property

VB

```
Public Property ProductsCategory() As DbSet(Of ProductCategory)
```

C#

```
public DbSet<ProductCategory> ProductsCategory {get; set;}
```

```
[C++]
public:
property DbSet<ProductCategory^>^ ProductsCategory {
    DbSet<ProductCategory^>^ get( );
    void set(
        DbSet<ProductCategory^>^ value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.RecyclingBinType Property

VB

```
Public Property RecyclingBinType() As DbSet(Of RecyclingBinType)
```

C#

```
public DbSet<RecyclingBinType> RecyclingBinType {get; set;}
```

```
[C++]
public:
property DbSet<RecyclingBinType^>^ RecyclingBinType {
    DbSet<RecyclingBinType^>^ get( );
    void set(
        DbSet<RecyclingBinType^>^ value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.RecyclingBins Property

VB

```
Public Property RecyclingBins() As DbSet(Of RecyclingBin)
```

C#

```
public DbSet<RecyclingBin> RecyclingBins {get; set;}
```

```
[C++]
public:
property DbSet<RecyclingBin^>^ RecyclingBins {
    DbSet<RecyclingBin^>^ get( );
    void set(
        DbSet<RecyclingBin^>^ value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.RecyclingTransactions Property

VB

```
Public Property RecyclingTransactions() As DbSet(Of RecyclingTransaction)
```

C#

```
public DbSet<RecyclingTransaction> RecyclingTransactions {get; set;}
```

```
[C++]
public:
property DbSet<RecyclingTransaction^>^ RecyclingTransactions {
```

```
DbSet<RecyclingTransaction>^ get( );  
void set(  
    DbSet<RecyclingTransaction>^ value  
);  
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [ApplicationDbContext](#)₈₆

ApplicationDbContext.OnModelCreating Method**VB**

```
Protected Overrides Sub OnModelCreating( _  
    ByVal builder As modelBuilder _  
)
```

C#

```
protected override void OnModelCreating(  
    modelBuilder builder  
)
```

[C++]

```
protected:  
void OnModelCreating(  
    modelBuilder^ builder  
)
```

[JScript]

```
protected function OnModelCreating(  
    builder : modelBuilder  
);
```

Parameters

builder

See Also

Applies to: [ApplicationDbContext](#)₈₆

CartItems Class

VB

```
Public Class CartItems
```

C#

```
public class CartItems
```

[C++]

```
public ref class CartItems
```

[JScript]

```
public class CartItems
```

Requirements

Namespace: [GlobalImpact.Data](#)₈₆

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[ListItems](#)₉₃

CartItems.ListItems Property

VB

```
Public ReadOnly Shared Property ListItems() As List(Of Product)
```

C#

```
public static List<Product> ListItems {get;}
```

[C++]

```
public:  
static property List<Product> ListItems {  
    List<Product> get( );  
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [CartItems](#)₉₃

StationeryDb Class

VB

```
Public Class StationeryDb
```

C#

```
public class StationeryDb
```

[C++]

```
public ref class StationeryDb
```

[JScript]

```
public class StationeryDb
```

Requirements

Namespace: [GlobalImpact.Data](#)₈₆

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Items](#)₉₄

StationeryDb.Items Property

VB

```
Public ReadOnly Shared Property Items() As List(Of RecItems)
```

C#

```
public static List<RecItems> Items {get;}
```

[C++]

```
public:  
static property List<RecItems^>^ Items {  
    List<RecItems^>^ get( );  
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [StationeryDb](#)₉₄

StationeryItems Class**VB**

```
Public Class StationeryItems
```

C#

```
public class StationeryItems
```

[C++]

```
public ref class StationeryItems
```

[JScript]

```
public class StationeryItems
```

Requirements

Namespace: [GlobalImpact.Data](#)₈₆

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Items](#)₉₅

StationeryItems.Items Property**VB**

```
Public ReadOnly Shared Property Items() As List(Of RecItems)
```

C#

```
public static List<RecItems> Items {get;}
```

```
[C++]
public:
static property List<RecItems^>^ Items {
    List<RecItems^>^ get( );
}
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [StationeryItems](#)₉₅

GlobalImpact.Enumerates Namespace

Enumerations

[BinType](#)⁹⁷, [ProductTransactionStatusType](#)⁹⁷, [ProductType](#)⁹⁷

BinType Enumeration

Constant	Value	Description
glass	1	
paper	0	
plastic	2	

Requirements

Namespace: [GlobalImpact.Enumerates](#)⁹⁷

Assembly: GlobalImpact (in GlobalImpact.dll)

ProductTransactionStatusType Enumeration

Constant	Value	Description
Cancelled	2	
Completed	1	
Pending	0	

Requirements

Namespace: [GlobalImpact.Enumerates](#)⁹⁷

Assembly: GlobalImpact (in GlobalImpact.dll)

ProductType Enumeration

Constant	Value	Description
bebidas	4	
frutas	3	
legumes	2	
peixaria	1	
talho	0	

Requirements

Namespace: [GlobalImpact.Enumerates](#)⁹⁷

Assembly: GlobalImpact (in GlobalImpact.dll)

GlobalImpact.Interfaces Namespace

Classes

[IGoogleMapsService](#)⁹⁸

Interfaces

[IEmailService](#)⁹⁸

IGoogleMapsService Class

VB

```
Public Class IGoogleMapsService
```

C#

```
public class IGoogleMapsService
```

[C++]

```
public ref class IGoogleMapsService
```

[JScript]

```
public class IGoogleMapsService
```

Requirements

Namespace: [GlobalImpact.Interfaces](#)⁹⁸

Assembly: GlobalImpact (in GlobalImpact.dll)

IEmailService Interface

VB

```
Public Interface IEmailService
```

C#

```
public interface IEmailService
```

[C++]

```
public interface class IEmailService
```

```
[JScript]
public interface IEmailService
```

Requirements

Namespace: [GlobalImpact.Interfaces](#)₉₈

Assembly: GlobalImpact (in GlobalImpact.dll)

Methods

[SendEmailAsync](#)₉₉

IEmailService.SendEmailAsync Method

VB

```
Function SendEmailAsync( _
    ByVal email As String, _
    ByVal subject As String, _
    ByVal message As String _
) As Task
```

C#

```
Task SendEmailAsync(
    string email,
    string subject,
    string message
)
```

[C++]

```
Task^ SendEmailAsync(
    String^ email,
    String^ subject,
    String^ message
)
```

```
[JScript]
function SendEmailAsync(
    email : String,
    subject : String,
    message : String
) : Task;
```

Parameters

email

subject

message

See Also

Applies to: [IMailService](#)₉₈

GlobalImpact.Migrations Namespace

Classes

[SGRR](#)₁₀₁

SGRR Class

VB

```
<DbContext(typeof(ApplicationDbContext))> _  
<Migration("20240403152037_SGRR")> _  
Public Class SGRR  
    Inherits Migration
```

C#

```
[DbContext(typeof(ApplicationDbContext))]  
[Migration("20240403152037_SGRR")]  
public class SGRR : Migration
```

[C++]

```
[DbContext(typeof(ApplicationDbContext))]  
[Migration("20240403152037_SGRR")]  
public ref class SGRR : public Migration^
```

[JScript]

```
public  
    DbContext(typeof(ApplicationDbContext))  
    Migration("20240403152037_SGRR")  
class SGRR  
    extends Migration
```

Requirements

Namespace: [GlobalImpact.Migrations](#)₁₀₁

Assembly: GlobalImpact (in GlobalImpact.dll)

Methods

[BuildTargetModel](#)₁₀₁, [Down](#)₁₀₂, [Up](#)₁₀₃

SGRR.BuildTargetModel Method

VB

```
Protected Overrides Sub BuildTargetModel( _
```

```
ByVal modelBuilder As ModelBuilder _  
)
```

C#

```
protected override void BuildTargetModel(  
    ModelBuilder modelBuilder  
)
```

```
[C++]  
protected:  
void BuildTargetModel(  
    ModelBuilder^ modelBuilder  
)
```

```
[JScript]  
protected function BuildTargetModel(  
    modelBuilder : ModelBuilder  
);
```

Parameters*modelBuilder***See Also**Applies to: [SGRR₁₀₁](#)**SGRR.Down Method****VB**

```
Protected Overrides Sub Down(_  
    ByVal migrationBuilder As MigrationBuilder _  
)
```

C#

```
protected override void Down(  
    MigrationBuilder migrationBuilder  
)
```

```
[C++]  
protected:  
void Down(  

```

```
MigrationBuilder^ migrationBuilder  
)
```

```
[JScript]  
protected function Down(  
    migrationBuilder : MigrationBuilder  
);
```

Parameters

migrationBuilder

See Also

Applies to: [SGRR₁₀₁](#)

SGRR.Up Method

VB

```
Protected Overrides Sub Up( _  
    ByVal migrationBuilder As MigrationBuilder _  
)
```

C#

```
protected override void Up(  
    MigrationBuilder migrationBuilder  
)
```

```
[C++]  
protected:  
void Up(  
    MigrationBuilder^ migrationBuilder  
)
```

```
[JScript]  
protected function Up(  
    migrationBuilder : MigrationBuilder  
);
```

Parameters

migrationBuilder

See Also

Applies to: [SGRR](#)₁₀₁

GlobalImpact.Models Namespace

Classes

[AppUser](#)₁₀₅, [Cart](#)₁₁₃, [ErrorViewModel](#)₁₁₆, [Product](#)₁₁₈, [ProductCategory](#)₁₂₅, [ProductTransactionStatus](#)₁₂₇, [ProductTransactions](#)₁₂₉, [RecItems](#)₁₄₀, [RecyclingBin](#)₁₄₃, [RecyclingBinType](#)₁₅₂, [RecyclingTransaction](#)₁₅₄

Enumerations

[RoleType](#)₁₅₉

AppUser Class

Classe modelo AppUser.

VB

```
Public Class AppUser
    Inherits IdentityUser
```

C#

```
public class AppUser : IdentityUser
```

[C++]

```
public ref class AppUser : public IdentityUser^
```

[JScript]

```
public class AppUser
    extends IdentityUser
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Age](#)₁₀₅, [FirstName](#)₁₀₆, [Identity](#)₁₀₇, [LastName](#)₁₀₈, [NIF](#)₁₀₉, [Points](#)₁₀₉, [Role](#)₁₁₀, [RoleId](#)₁₁₁, [RoleList](#)₁₁₁, [UniqueCode](#)₁₁₂

AppUser.Age Property

VB

```
<Required()> _
<ProtectedPersonalData()> _
```

```
Public Property Age() As Integer
```

C#

```
[Required()]  
[ProtectedPersonalData()]  
public int Age {get; set;}
```

```
[C++]  
[Required()]  
[ProtectedPersonalData()]  
public:  
property int Age {  
    int get( );  
    void set(  
        int value  
    );  
}
```

```
[JScript]  
public  
    Required()  
    ProtectedPersonalData()  
function get Age() : int;  
public  
    Required()  
    ProtectedPersonalData()  
function set Age(value : int);
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.FirstName Property

VB

```
<Required()> _  
<ProtectedPersonalData()> _  
Public Property FirstName() As String
```

C#

```
[Required()]  
[ProtectedPersonalData()]  
public string FirstName {get; set;}
```

```
[C++]
[Required()]
[ProtectedPersonalData()]
public:
property String^ FirstName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    ProtectedPersonalData()
function get FirstName() : String;
public
    Required()
    ProtectedPersonalData()
function set FirstName(value : String);
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.Identity Property

VB

```
<NotMapped()> _
Public Property Identity() As ClaimsIdentity
```

C#

```
[NotMapped()]
public ClaimsIdentity Identity {get; set;}
```

```
[C++]
[NotMapped()]
public:
property ClaimsIdentity^ Identity {
    ClaimsIdentity^ get( );
    void set(
        ClaimsIdentity^ value
    );
}
```

```
[JScript]
public
    NotMapped()
function get Identity() : ClaimsIdentity;
public
    NotMapped()
function set Identity(value : ClaimsIdentity);
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.LastName Property

VB

```
<Required()> _
<ProtectedPersonalData()> _
Public Property LastName() As String
```

C#

```
[Required()]
[ProtectedPersonalData()]
public string LastName {get; set;}
```

```
[C++]
[Required()]
[ProtectedPersonalData()]
public:
property String^ LastName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    ProtectedPersonalData()
function get LastName() : String;
public
    Required()
    ProtectedPersonalData()
function set LastName(value : String);
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.NIF Property

VB

```
<ProtectedPersonalData()> _  
Public Property NIF() As Nullable(Of Integer)
```

C#

```
[ProtectedPersonalData()]  
public Nullable<int> NIF {get; set;}
```

```
[C++]  
[ProtectedPersonalData()]  
public:  
property Nullable<int^> NIF {  
    Nullable<int^> get( );  
    void set(  
        Nullable<int^> value  
    );  
}
```

```
[JScript]  
JScript does not support generic types and methods.
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.Points Property

VB

```
<PersonalData()> _  
Public Property Points() As Integer
```

C#

```
[PersonalData()]  
public int Points {get; set;}
```

```
[C++]  
[PersonalData()]
```

```

public:
property int Points {
    int get( );
    void set(
        int value
    );
}

```

```

[JavaScript]
public
    PersonalData()
function get Points() : int;
public
    PersonalData()
function set Points(value : int);

```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.Role Property

VB

```

<NotMapped()> _
Public Property Role() As String

```

C#

```

[NotMapped()]
public string Role {get; set;}

```

```

[C++]
[NotMapped()]
public:
property String^ Role {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JavaScript]
public
    NotMapped()
function get Role() : String;
public

```

```
NotMapped()  
function set Role(value : String);
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.RoleId Property

VB

```
<NotMapped()> _  
Public Property RoleId() As String
```

C#

```
[NotMapped()]  
public string RoleId {get; set;}
```

```
[C++]  
[NotMapped()]  
public:  
property String^ RoleId {  
    String^ get( );  
    void set(  
        String^ value  
    );  
}
```

```
[JScript]  
public  
    NotMapped()  
function get RoleId() : String;  
public  
    NotMapped()  
function set RoleId(value : String);
```

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.RoleList Property

VB

```
<NotMapped()> _  
Public Property RoleList() As IEnumerable(Of SelectListItem)
```

C#

```
[NotMapped()]
public IEnumerable<SelectListItem> RoleList {get; set;}
```

```
[C++]
[NotMapped()]
public:
property IEnumerable<SelectListItem>^ RoleList {
    IEnumerable<SelectListItem>^ get( );
    void set(
        IEnumerable<SelectListItem>^ value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [AppUser](#)₁₀₅

AppUser.UniqueCode Property**VB**

```
<Required()> _
Public Property UniqueCode() As String
```

C#

```
[Required()]
public string UniqueCode {get; set;}
```

```
[C++]
[Required()]
public:
property String^ UniqueCode {
    String^ get( );
    void set(
        String^ value
    );
}
```



```
[JScript]
public
    Required()
function get UniqueCode() : String;
public
    Required()
function set UniqueCode(value : String);
```

See Also

Applies to: [AppUser](#)₁₀₅

Cart Class

VB

```
Public Class Cart
```

C#

```
public class Cart
```

```
[C++]
public ref class Cart
```

```
[JScript]
public class Cart
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Id](#)₁₁₃, [Product](#)₁₁₄, [Quantity](#)₁₁₅, [User](#)₁₁₆

Cart.Id Property

VB

```
<Key()> _
Public Property Id() As Guid
```

C#

```
[Key()]
public Guid Id {get; set;}
```

```
[C++]
[Key()]
public:
property Guid Id {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    Key()
function get Id() : Guid;
public
    Key()
function set Id(value : Guid);
```

See Also

Applies to: [Cart](#)₁₁₃

Cart.Product Property

VB

```
<ForeignKey("ProductId")> _
Public Overridable Property Product() As Product
```

C#

```
[ForeignKey("ProductId")]
public virtual Product Product {get; set;}
```

```
[C++]
[ForeignKey("ProductId")]
public:
virtual property Product^ Product {
    Product^ get( );
    void set(
        Product^ value
    );
}
```

```
[JScript]
public
    ForeignKey("ProductId")
function get Product() : Product;
public
    ForeignKey("ProductId")
function set Product(value : Product);
```

See Also

Applies to: [Cart](#)₁₁₃

Cart.Quantity Property

VB

```
<Required()> _
Public Property Quantity() As Integer
```

C#

```
[Required()]
public int Quantity {get; set;}
```

```
[C++]
[Required()]
public:
property int Quantity {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public
    Required()
function get Quantity() : int;
public
    Required()
function set Quantity(value : int);
```

See Also

Applies to: [Cart](#)₁₁₃

Cart.User Property

VB

```
<ForeignKey("UserId")> _  
Public Property User() As AppUser
```

C#

```
[ForeignKey("UserId")]  
public AppUser User {get; set;}
```

```
[C++]  
[ForeignKey("UserId")]  
public:  
property AppUser^ User {  
    AppUser^ get( );  
    void set(  
        AppUser^ value  
    );  
}
```

```
[JScript]  
public  
    ForeignKey("UserId")  
function get User() : AppUser;  
public  
    ForeignKey("UserId")  
function set User(value : AppUser);
```

See Also

Applies to: [Cart₁₁₃](#)

ErrorViewModel Class

VB

```
Public Class ErrorViewModel
```

C#

```
public class ErrorViewModel
```

```
[C++]  
public ref class ErrorViewModel
```

```
[JScript]
public class ErrorViewModel
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[RequestId](#)₁₁₇, [ShowRequestId](#)₁₁₇

ErrorViewModel.RequestId Property

VB

```
Public Property RequestId() As String
```

C#

```
public string RequestId {get; set;}
```

```
[C++]
public:
property String^ RequestId {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get RequestId() : String;
public function set RequestId(value : String);
```

See Also

Applies to: [ErrorViewModel](#)₁₁₆

ErrorViewModel.ShowRequestId Property

VB

```
Public ReadOnly Property ShowRequestId() As Boolean
```

C#

```
public bool ShowRequestId {get;}
```

```
[C++]  
public:  
property bool ShowRequestId {  
    bool get( );  
}
```

```
[JScript]  
public function get ShowRequestId() : boolean;
```

See Also

Applies to: [ErrorViewModel](#)₁₁₆

Product Class

VB

```
Public Class Product
```

C#

```
public class Product
```

```
[C++]  
public ref class Product
```

```
[JScript]  
public class Product
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Category](#)₁₁₉, [Description](#)₁₁₉, [Id](#)₁₂₀, [Image](#)₁₂₁, [ImageUrl](#)₁₂₂, [Name](#)₁₂₂, [Points](#)₁₂₃, [ProductCategoryId](#)₁₂₃, [Quantity](#)₁₂₄, [Stock](#)₁₂₅

Product.Category Property

VB

```
<NotMapped()> _  
Public Property Category() As ProductCategory
```

C#

```
[NotMapped()]  
public ProductCategory Category {get; set;}
```

```
[C++]  
[NotMapped()]  
public:  
property ProductCategory^ Category {  
    ProductCategory^ get( );  
    void set(  
        ProductCategory^ value  
    );  
}
```

```
[JScript]  
public  
    NotMapped()  
function get Category() : ProductCategory;  
public  
    NotMapped()  
function set Category(value : ProductCategory);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Description Property

VB

```
Public Property Description() As String
```

C#

```
public string Description {get; set;}
```

```
[C++]  
public:
```

```
property String^ Description {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get Description() : String;
public function set Description(value : String);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Id Property

VB

```
<Key()> _
Public Property Id() As Guid
```

C#

```
[Key()]
public Guid Id {get; set;}
```

```
[C++]
[Key()]
public:
property Guid Id {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    Key()
function get Id() : Guid;
public
    Key()
function set Id(value : Guid);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Image Property

VB

```
<NotMapped()> _
<Required(ErrorMessage = "The {0} field is required")> _
<Display(Name = "Image")> _
<DataType(DataType.Upload)> _
Public Property Image() As IFormFile
```

C#

```
[NotMapped()]
[Required(ErrorMessage = "The {0} field is required")]
[Display(Name = "Image")]
[DataType(DataType.Upload)]
public IFormFile Image {get; set;}
```

```
[C++]
[NotMapped()]
[Required(ErrorMessage = "The {0} field is required")]
[Display(Name = "Image")]
[DataType(DataType.Upload)]
public:
property IFormFile^ Image {
    IFormFile^ get( );
    void set(
        IFormFile^ value
    );
}
```

```
[JScript]
public
    NotMapped()
    Required(ErrorMessage = "The {0} field is required")
    Display(Name = "Image")
    DataType(DataType.Upload)
function get Image() : IFormFile;
public
    NotMapped()
    Required(ErrorMessage = "The {0} field is required")
    Display(Name = "Image")
    DataType(DataType.Upload)
function set Image(value : IFormFile);
```

See Also

Applies to: [Product](#)₁₁₈

Product.ImageUrl Property

VB

```
Public Property ImageUrl() As String
```

C#

```
public string ImageUrl {get; set;}
```

```
[C++]
public:
property String^ ImageUrl {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get ImageUrl() : String;
public function set ImageUrl(value : String);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Name Property

VB

```
Public Property Name() As String
```

C#

```
public string Name {get; set;}
```

```
[C++]
public:
property String^ Name {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get Name() : String;
public function set Name(value : String);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Points Property

VB

```
Public Property Points() As Integer
```

C#

```
public int Points {get; set;}
```

```
[C++]
public:
property int Points {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public function get Points() : int;
public function set Points(value : int);
```

See Also

Applies to: [Product](#)₁₁₈

Product.ProductCategoryId Property

VB

```
<ForeignKey("ProductCategoryId")> _
Public Property ProductCategoryId() As String
```

C#

```
[ForeignKey("ProductCategoryId")]
```

```
public string ProductCategoryId {get; set;}
```

```
[C++]
[ForeignKey("ProductCategoryId")]
public:
property String^ ProductCategoryId {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    ForeignKey("ProductCategoryId")
function get ProductCategoryId() : String;
public
    ForeignKey("ProductCategoryId")
function set ProductCategoryId(value : String);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Quantity Property

VB

```
<NotMapped()> _
Public Property Quantity() As Integer
```

C#

```
[NotMapped()]
public int Quantity {get; set;}
```

```
[C++]
[NotMapped()]
public:
property int Quantity {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public
    NotMapped()
function get Quantity() : int;
public
    NotMapped()
function set Quantity(value : int);
```

See Also

Applies to: [Product](#)₁₁₈

Product.Stock Property

VB

```
Public Property Stock() As Integer
```

C#

```
public int Stock {get; set;}
```

```
[C++]
public:
property int Stock {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public function get Stock() : int;
public function set Stock(value : int);
```

See Also

Applies to: [Product](#)₁₁₈

ProductCategory Class

VB

```
Public Class ProductCategory
```

C#

```
public class ProductCategory
```

[C++]

```
public ref class ProductCategory
```

[JScript]

```
public class ProductCategory
```

Requirements

Namespace: [GlobalImpact.Models](#)¹⁰⁵

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Category](#)¹²⁶, [ProductCategoryId](#)¹²⁷

ProductCategory.Category Property

VB

```
<Required()> _  
Public Property Category() As String
```

C#

```
[Required()]  
public string Category {get; set;}
```

[C++]

```
[Required()]  
public:  
property String^ Category {  
    String^ get( );  
    void set(  
        String^ value  
    );  
}
```

[JScript]

```
public  
    Required()  
function get Category() : String;
```

```
public
    Required()
function set Category(value : String);
```

See Also

Applies to: [ProductCategory](#)₁₂₅

ProductCategory.ProductCategoryId Property

VB

```
<Key()> _
Public Property ProductCategoryId() As Guid
```

C#

```
[Key()]
public Guid ProductCategoryId {get; set;}
```

```
[C++]
[Key()]
public:
property Guid ProductCategoryId {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    Key()
function get ProductCategoryId() : Guid;
public
    Key()
function set ProductCategoryId(value : Guid);
```

See Also

Applies to: [ProductCategory](#)₁₂₅

ProductTransactionStatus Class

VB

```
Public Class ProductTransactionStatus
```

C#

```
public class ProductTransactionStatus
```

[C++]

```
public ref class ProductTransactionStatus
```

[JScript]

```
public class ProductTransactionStatus
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[ProductTransactionStatusId](#)₁₂₈, [Status](#)₁₂₉

ProductTransactionStatus.ProductTransactionStatusId Property

VB

```
<Key()> _  
Public Property ProductTransactionStatusId() As Guid
```

C#

```
[Key()]  
public Guid ProductTransactionStatusId {get; set;}
```

```
[C++]  
[Key()]  
public:  
property Guid ProductTransactionStatusId {  
    Guid get( );  
    void set(  
        Guid value  
    );  
}
```

[JScript]

```
public
```



```

    Key()
function get ProductTransactionStatusId() : Guid;
public
    Key()
function set ProductTransactionStatusId(value : Guid);

```

See Also

Applies to: [ProductTransactionStatus](#)₁₂₇

ProductTransactionStatus.Status Property

VB

```

<Required()> _
Public Property Status() As String

```

C#

```

[Required()]
public string Status {get; set;}

```

```

[C++]
[Required()]
public:
property String^ Status {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    Required()
function get Status() : String;
public
    Required()
function set Status(value : String);

```

See Also

Applies to: [ProductTransactionStatus](#)₁₂₇

ProductTransactions Class

VB

```
Public Class ProductTransactions
```

C#

```
public class ProductTransactions
```

[C++]

```
public ref class ProductTransactions
```

[JScript]

```
public class ProductTransactions
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Date](#)₁₃₀, [Id](#)₁₃₁, [Points](#)₁₃₂, [ProductId](#)₁₃₂, [ProductName](#)₁₃₃, [Quantity](#)₁₃₄, [TransStatus](#)₁₃₄, [TransactionId](#)₁₃₅, [TransactionStatusId](#)₁₃₆, [UserId](#)₁₃₇, [UserName](#)₁₃₇, [product](#)₁₃₈, [user](#)₁₃₉

ProductTransactions.Date Property

VB

```
<Required()> _  
Public Property Date() As Date
```

C#

```
[Required()]  
public DateTime Date {get; set;}
```

[C++]

```
[Required()]  
public:  
property DateTime Date {  
    DateTime get( );  
    void set(  
        DateTime value  
    );  
}
```

```
[JScript]
public
    Required()
function get Date() : DateTime;
public
    Required()
function set Date(value : DateTime);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.Id Property

VB

```
<Key()> _
Public Property Id() As Guid
```

C#

```
[Key()]
public Guid Id {get; set;}
```

```
[C++]
[Key()]
public:
property Guid Id {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    Key()
function get Id() : Guid;
public
    Key()
function set Id(value : Guid);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.Points Property

VB

```
<Required()> _  
Public Property Points() As Integer
```

C#

```
[Required()]  
public int Points {get; set;}
```

```
[C++]  
[Required()]  
public:  
property int Points {  
    int get( );  
    void set(  
        int value  
    );  
}
```

```
[JScript]  
public  
    Required()  
function get Points() : int;  
public  
    Required()  
function set Points(value : int);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.ProductId Property

VB

```
<ForeignKey("ProductId")> _  
Public Property ProductId() As Guid
```

C#

```
[ForeignKey("ProductId")]  
public Guid ProductId {get; set;}
```

```
[C++]
[ForeignKey("ProductId")]
public:
property Guid ProductId {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    ForeignKey("ProductId")
function get ProductId() : Guid;
public
    ForeignKey("ProductId")
function set ProductId(value : Guid);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.ProductName Property

VB

```
<NotMapped()> _
Public Property ProductName() As String
```

C#

```
[NotMapped()]
public string ProductName {get; set;}
```

```
[C++]
[NotMapped()]
public:
property String^ ProductName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    NotMapped()
```

```
function get ProductName() : String;  
public  
    NotMapped()  
function set ProductName(value : String);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.Quantity Property

VB

```
<Required()> _  
Public Property Quantity() As Integer
```

C#

```
[Required()]  
public int Quantity {get; set;}
```

```
[C++]  
[Required()]  
public:  
property int Quantity {  
    int get( );  
    void set(  
        int value  
    );  
}
```

```
[JScript]  
public  
    Required()  
function get Quantity() : int;  
public  
    Required()  
function set Quantity(value : int);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.TransStatus Property

VB

```
<NotMapped()> _
Public Property TransStatus() As String
```

C#

```
[NotMapped()]
public string TransStatus {get; set;}
```

```
[C++]
[NotMapped()]
public:
property String^ TransStatus {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    NotMapped()
function get TransStatus() : String;
public
    NotMapped()
function set TransStatus(value : String);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.TransactionId Property**VB**

```
<Required()> _
Public Property TransactionId() As Guid
```

C#

```
[Required()]
public Guid TransactionId {get; set;}
```

```
[C++]
[Required()]
public:
```

```
property Guid TransactionId {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    Required()
function get TransactionId() : Guid;
public
    Required()
function set TransactionId(value : Guid);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.TransactionStatusId Property

VB

```
<ForeignKey("TransactionStatusId")> _
Public Property TransactionStatusId() As Guid
```

C#

```
[ForeignKey("TransactionStatusId")]
public Guid TransactionStatusId {get; set;}
```

```
[C++]
[ForeignKey("TransactionStatusId")]
public:
property Guid TransactionStatusId {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    ForeignKey("TransactionStatusId")
function get TransactionStatusId() : Guid;
public
    ForeignKey("TransactionStatusId")
```



```
function set TransactionStatusId(value : Guid);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.UserId Property

VB

```
<ForeignKey("UserId")> _  
Public Property UserId() As Guid
```

C#

```
[ForeignKey("UserId")]  
public Guid UserId {get; set;}
```

```
[C++]  
[ForeignKey("UserId")]  
public:  
property Guid UserId {  
    Guid get( );  
    void set(  
        Guid value  
    );  
}
```

```
[JScript]  
public  
    ForeignKey("UserId")  
function get UserId() : Guid;  
public  
    ForeignKey("UserId")  
function set UserId(value : Guid);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.UserName Property

VB

```
<NotMapped()> _  
Public Property UserName() As String
```

C#

```
[NotMapped()]
public string UserName {get; set;}
```

```
[C++]
[NotMapped()]
public:
property String^ UserName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    NotMapped()
function get UserName() : String;
public
    NotMapped()
function set UserName(value : String);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.product Property**VB**

```
<NotMapped()> _
Public Property product() As Product
```

C#

```
[NotMapped()]
public Product product {get; set;}
```

```
[C++]
[NotMapped()]
public:
property Product^ product {
    Product^ get( );
    void set(
        Product^ value
    );
}
```

```
);
}
```

```
[JScript]
public
    NotMapped()
function get product() : Product;
public
    NotMapped()
function set product(value : Product);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

ProductTransactions.user Property

VB

```
<NotMapped()> _
Public Property user() As AppUser
```

C#

```
[NotMapped()]
public AppUser user {get; set;}
```

```
[C++]
[NotMapped()]
public:
property AppUser^ user {
    AppUser^ get( );
    void set(
        AppUser^ value
    );
}
```

```
[JScript]
public
    NotMapped()
function get user() : AppUser;
public
    NotMapped()
function set user(value : AppUser);
```

See Also

Applies to: [ProductTransactions](#)₁₂₉

RecItems Class

Classe modelo RecItems. Dados sobre os items reciclaveis.

VB

```
Public Class RecItems
```

C#

```
public class RecItems
```

[C++]

```
public ref class RecItems
```

[JScript]

```
public class RecItems
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Id](#)₁₄₀, [Nome](#)₁₄₁, [Peso](#)₁₄₁, [Pontos](#)₁₄₂, [Tipo](#)₁₄₃

RecItems.Id Property

VB

```
Public Property Id() As Integer
```

C#

```
public int Id {get; set;}
```

[C++]

```
public:  
property int Id {  
    int get( );  
    void set(  
        int value
```

```
);  
}
```

```
[JScript]  
public function get Id() : int;  
public function set Id(value : int);
```

See Also

Applies to: [RecItems](#)₁₄₀

RecItems.Nome Property

VB

```
Public Property Nome() As String
```

C#

```
public string Nome {get; set;}
```

```
[C++]  
public:  
property String^ Nome {  
    String^ get( );  
    void set(  
        String^ value  
    );  
}
```

```
[JScript]  
public function get Nome() : String;  
public function set Nome(value : String);
```

See Also

Applies to: [RecItems](#)₁₄₀

RecItems.Peso Property

VB

```
Public Property Peso() As Double
```

C#

```
public double Peso {get; set;}
```

```
[C++]  
public:  
property double Peso {  
    double get( );  
    void set(  
        double value  
    );  
}
```

```
[JScript]  
public function get Peso() : double;  
public function set Peso(value : double);
```

See Also

Applies to: [RecItems](#)₁₄₀

RecItems.Pontos Property

VB

```
Public Property Pontos() As Integer
```

C#

```
public int Pontos {get; set;}
```

```
[C++]  
public:  
property int Pontos {  
    int get( );  
    void set(  
        int value  
    );  
}
```

```
[JScript]  
public function get Pontos() : int;  
public function set Pontos(value : int);
```

See Also

Applies to: [RecItems](#)₁₄₀

RecItems.Tipo Property

VB

```
Public Property Tipo() As String
```

C#

```
public string Tipo {get; set;}
```

```
[C++]
public:
property String^ Tipo {
String^ get( );
void set(
String^ value
);
}
```

```
[JScript]
public function get Tipo() : String;
public function set Tipo(value : String);
```

See Also

Applies to: [RecItems](#)₁₄₀

RecyclingBin Class

Classe modelo RecyclingBin.

VB

```
Public Class RecyclingBin
```

C#

```
public class RecyclingBin
```

```
[C++]
public ref class RecyclingBin
```

```
[JScript]
public class RecyclingBin
```

Requirements

Namespace: [GlobalImpact.Models](#)¹⁰⁵

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Capacity](#)¹⁴⁴, [CurrentCapacity](#)¹⁴⁵, [Description](#)¹⁴⁵, [Id](#)¹⁴⁶, [Latitude](#)¹⁴⁷, [Longitude](#)¹⁴⁸, [RBTList](#)¹⁴⁹,
[RecyclingBinType](#)¹⁴⁹, [RecyclingBinTypeId](#)¹⁵⁰, [Status](#)¹⁵¹, [Type](#)¹⁵²

RecyclingBin.Capacity Property

VB

```
<Display(Name = "Total Capacity")> _
<Required()> _
Public Property Capacity() As Double
```

C#

```
[Display(Name = "Total Capacity")]
[Required()]
public double Capacity {get; set;}
```

```
[C++]
[Display(Name = "Total Capacity")]
[Required()]
public:
property double Capacity {
    double get( );
    void set(
        double value
    );
}
```

```
[JScript]
public
    Display(Name = "Total Capacity")
    Required()
function get Capacity() : double;
public
    Display(Name = "Total Capacity")
    Required()
function set Capacity(value : double);
```


See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.CurrentCapacity Property

VB

```
<Display(Name = "Current Capacity")> _  
<Required()> _  
Public Property CurrentCapacity() As Double
```

C#

```
[Display(Name = "Current Capacity")]  
[Required()]  
public double CurrentCapacity {get; set;}
```

```
[C++]  
[Display(Name = "Current Capacity")]  
[Required()]  
public:  
property double CurrentCapacity {  
    double get( );  
    void set(  
        double value  
    );  
}
```

```
[JScript]  
public  
    Display(Name = "Current Capacity")  
    Required()  
function get CurrentCapacity() : double;  
public  
    Display(Name = "Current Capacity")  
    Required()  
function set CurrentCapacity(value : double);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.Description Property

VB

```
<Display(Name = "Description")> _
<Required()> _
Public Property Description() As String
```

C#

```
[Display(Name = "Description")]
[Required()]
public string Description {get; set;}
```

```
[C++]
[Display(Name = "Description")]
[Required()]
public:
property String^ Description {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Display(Name = "Description")
    Required()
function get Description() : String;
public
    Display(Name = "Description")
    Required()
function set Description(value : String);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.Id Property**VB**

```
<PersonalData()> _
<Key()> _
Public Property Id() As Guid
```

C#

```
[PersonalData()]
[Key()]
```

```
public Guid Id {get; set;}
```

```
[C++]
[PersonalData()]
[Key()]
public:
property Guid Id {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    PersonalData()
    Key()
function get Id() : Guid;
public
    PersonalData()
    Key()
function set Id(value : Guid);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.Latitude Property

VB

```
<Required()> _
Public Property Latitude() As Double
```

C#

```
[Required()]
public double Latitude {get; set;}
```

```
[C++]
[Required()]
public:
property double Latitude {
    double get( );
    void set(
        double value
    );
}
```

```
}
```

```
[JScript]
public
    Required()
function get Latitude() : double;
public
    Required()
function set Latitude(value : double);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.Longitude Property

VB

```
<Required()> _
Public Property Longitude() As Double
```

C#

```
[Required()]
public double Longitude {get; set;}
```

```
[C++]
[Required()]
public:
property double Longitude {
    double get( );
    void set(
        double value
    );
}
```

```
[JScript]
public
    Required()
function get Longitude() : double;
public
    Required()
function set Longitude(value : double);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.RBTLList Property

VB

```
<NotMapped()> _  
Public Property RBTLList() As IEnumerable(Of SelectListItem)
```

C#

```
[NotMapped()]  
public IEnumerable<SelectListItem> RBTLList {get; set;}
```

```
[C++]  
[NotMapped()]  
public:  
property IEnumerable<SelectListItem>^ RBTLList {  
    IEnumerable<SelectListItem>^ get( );  
    void set(  
        IEnumerable<SelectListItem>^ value  
    );  
}
```

```
[JScript]  
JScript does not support generic types and methods.
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.RecyclingBinType Property

VB

```
<NotMapped()> _  
Public Property RecyclingBinType() As RecyclingBinType
```

C#

```
[NotMapped()]  
public RecyclingBinType RecyclingBinType {get; set;}
```

```
[C++]  
[NotMapped()]
```

```

public:
property RecyclingBinType^ RecyclingBinType {
    RecyclingBinType^ get( );
    void set(
        RecyclingBinType^ value
    );
}

```

```

[JScript]
public
    NotMapped()
function get RecyclingBinType() : RecyclingBinType;
public
    NotMapped()
function set RecyclingBinType(value : RecyclingBinType);

```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.RecyclingBinTypeId Property

VB

```

<ForeignKey("RecyclingBinTypeId")> _
Public Property RecyclingBinTypeId() As String

```

C#

```

[ForeignKey("RecyclingBinTypeId")]
public string RecyclingBinTypeId {get; set;}

```

```

[C++]
[ForeignKey("RecyclingBinTypeId")]
public:
property String^ RecyclingBinTypeId {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    ForeignKey("RecyclingBinTypeId")
function get RecyclingBinTypeId() : String;
public

```

```
ForeignKey("RecyclingBinTypeId")
function set RecyclingBinTypeId(value : String);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.Status Property

VB

```
<Display(Name = "Available")> _
<Required()> _
Public Property Status() As Boolean
```

C#

```
[Display(Name = "Available")]
[Required()]
public bool Status {get; set;}
```

```
[C++]
[Display(Name = "Available")]
[Required()]
public:
property bool Status {
    bool get( );
    void set(
        bool value
    );
}
```

```
[JScript]
public
    Display(Name = "Available")
    Required()
function get Status() : boolean;
public
    Display(Name = "Available")
    Required()
function set Status(value : boolean);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBin.Type Property

VB

```
<NotMapped()> _
<Display(Name = "Recycling Bin Type")> _
Public Property Type() As String
```

C#

```
[NotMapped()]
[Display(Name = "Recycling Bin Type")]
public string Type {get; set;}
```

```
[C++]
[NotMapped()]
[Display(Name = "Recycling Bin Type")]
public:
property String^ Type {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    NotMapped()
    Display(Name = "Recycling Bin Type")
function get Type() : String;
public
    NotMapped()
    Display(Name = "Recycling Bin Type")
function set Type(value : String);
```

See Also

Applies to: [RecyclingBin](#)₁₄₃

RecyclingBinType Class

Classe modelo RecyclingBinType.

VB

```
Public Class RecyclingBinType
```

C#


```
public class RecyclingBinType
```

```
[C++]
public ref class RecyclingBinType
```

```
[JScript]
public class RecyclingBinType
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[RecyclingBinTypeId](#)₁₅₃, [Type](#)₁₅₄

RecyclingBinType.RecyclingBinTypeId Property

VB

```
<Key()> _
Public Property RecyclingBinTypeId() As Guid
```

C#

```
[Key()]
public Guid RecyclingBinTypeId {get; set;}
```

```
[C++]
[Key()]
public:
property Guid RecyclingBinTypeId {
    Guid get( );
    void set(
        Guid value
    );
}
```

```
[JScript]
public
    Key()
function get RecyclingBinTypeId() : Guid;
public
    Key()
```

```
function set RecyclingBinTypeId(value : Guid);
```

See Also

Applies to: [RecyclingBinType](#)₁₅₂

RecyclingBinType.Type Property

VB

```
<Required()> _
Public Property Type() As String
```

C#

```
[Required()]
public string Type {get; set;}
```

```
[C++]
[Required()]
public:
property String^ Type {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
function get Type() : String;
public
    Required()
function set Type(value : String);
```

See Also

Applies to: [RecyclingBinType](#)₁₅₂

RecyclingTransaction Class

Classe de modelo das transações.

VB

```
Public Class RecyclingTransaction
```

C#

```
public class RecyclingTransaction
```

[C++]

```
public ref class RecyclingTransaction
```

[JScript]

```
public class RecyclingTransaction
```

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Date](#)₁₅₅, [Id](#)₁₅₆, [Points](#)₁₅₆, [RecyclingBin](#)₁₅₇, [User](#)₁₅₈, [Weight](#)₁₅₉

RecyclingTransaction.Date Property

VB

```
<Required()> _  
Public Property Date() As Date
```

C#

```
[Required()]  
public DateTime Date {get; set;}
```

[C++]

```
[Required()]  
public:  
property DateTime Date {  
    DateTime get( );  
    void set(  
        DateTime value  
    );  
}
```

[JScript]

```
public
```

```
Required()  
function get Date() : DateTime;  
public  
    Required()  
function set Date(value : DateTime);
```

See Also

Applies to: [RecyclingTransaction](#)₁₅₄

RecyclingTransaction.Id Property

VB

```
<Key()> _  
Public Property Id() As Guid
```

C#

```
[Key()]  
public Guid Id {get; set;}
```

```
[C++]  
[Key()]  
public:  
property Guid Id {  
    Guid get( );  
    void set(  
        Guid value  
    );  
}
```

```
[JScript]  
public  
    Key()  
function get Id() : Guid;  
public  
    Key()  
function set Id(value : Guid);
```

See Also

Applies to: [RecyclingTransaction](#)₁₅₄

RecyclingTransaction.Points Property

VB

```
<Required()> _
Public Property Points() As Integer
```

C#

```
[Required()]
public int Points {get; set;}
```

```
[C++]
[Required()]
public:
property int Points {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public
    Required()
function get Points() : int;
public
    Required()
function set Points(value : int);
```

See Also

Applies to: [RecyclingTransaction](#)¹⁵⁴

RecyclingTransaction.RecyclingBin Property**VB**

```
<ForeignKey("RecyclingBinId")> _
Public Property RecyclingBin() As RecyclingBin
```

C#

```
[ForeignKey("RecyclingBinId")]
public RecyclingBin RecyclingBin {get; set;}
```

```
[C++]
[ForeignKey("RecyclingBinId")]
public:
```

```
property RecyclingBin^ RecyclingBin {
    RecyclingBin^ get( );
    void set(
        RecyclingBin^ value
    );
}
```

```
[JScript]
public
    ForeignKey("RecyclingBinId")
function get RecyclingBin() : RecyclingBin;
public
    ForeignKey("RecyclingBinId")
function set RecyclingBin(value : RecyclingBin);
```

See Also

Applies to: [RecyclingTransaction](#)₁₅₄

RecyclingTransaction.User Property

VB

```
<ForeignKey("UserId")> _
Public Overridable Property User() As AppUser
```

C#

```
[ForeignKey("UserId")]
public virtual AppUser User {get; set;}
```

```
[C++]
[ForeignKey("UserId")]
public:
virtual property AppUser^ User {
    AppUser^ get( );
    void set(
        AppUser^ value
    );
}
```

```
[JScript]
public
    ForeignKey("UserId")
function get User() : AppUser;
public
    ForeignKey("UserId")
```

```
function set User(value : AppUser);
```

See Also

Applies to: [RecyclingTransaction](#)₁₅₄

RecyclingTransaction.Weight Property

VB

```
<Required()> _  
Public Property Weight() As Double
```

C#

```
[Required()]  
public double Weight {get; set;}
```

```
[C++]  
[Required()]  
public:  
property double Weight {  
    double get( );  
    void set(  
        double value  
    );  
}
```

```
[JScript]  
public  
    Required()  
function get Weight() : double;  
public  
    Required()  
function set Weight(value : double);
```

See Also

Applies to: [RecyclingTransaction](#)₁₅₄

RoleType Enumeration

Constant	Value	Description
admin	0	
client	1	

Requirements

Namespace: [GlobalImpact.Models](#)₁₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

GlobalImpact.Services Namespace

Classes

[EmailService](#)¹⁶¹, [GoogleMapsApiKeyService](#)¹⁶²

EmailService Class

VB

```
Public Class EmailService
    Inherits Controller
```

C#

```
public class EmailService : Controller
```

[C++]

```
public ref class EmailService : public Controller^
```

[JScript]

```
public class EmailService
    extends Controller
```

Requirements

Namespace: [GlobalImpact.Services](#)¹⁶¹

Assembly: GlobalImpact (in GlobalImpact.dll)

Methods

[Index](#)¹⁶¹

EmailService.Index Method

VB

```
Public Function Index() As ActionResult
```

C#

```
public ActionResult Index()
```

```
[C++]
public:
IActionResult^ Index()
```

```
[JScript]
public function Index() : IActionResult;
```

See Also

Applies to: [EmailService](#)₁₆₁

GoogleMapsApiKeyService Class

VB

```
Public Class GoogleMapsApiKeyService
```

C#

```
public class GoogleMapsApiKeyService
```

```
[C++]
public ref class GoogleMapsApiKeyService
```

```
[JScript]
public class GoogleMapsApiKeyService
```

Requirements

Namespace: [GlobalImpact.Services](#)₁₆₁

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[GoogleMapsApiKeyService](#)₁₆₂

Methods

[GetApiKey](#)₁₆₃

GoogleMapsApiKeyService Constructor

VB

```
Public Sub New( _
```

```
ByVal viewData As ViewDataDictionary _  
)
```

C#

```
public GoogleMapsApiKeyService(  
    ViewDataDictionary viewData  
)
```

```
[C++]  
public:  
GoogleMapsApiKeyService(  
    ViewDataDictionary^ viewData  
)
```

```
[JScript]  
public function GoogleMapsApiKeyService(  
    viewData : ViewDataDictionary  
);
```

Parameters

viewData

See Also

Applies to: [GoogleMapsApiKeyService](#)₁₆₂

GoogleMapsApiKeyService.GetApiKey Method

VB

```
Public Function GetApiKey() As String
```

C#

```
public string GetApiKey()
```

```
[C++]  
public:  
String^ GetApiKey()
```

[JScript]

```
public function GetApiKey() : String;
```

See Also

Applies to: [GoogleMapsApiKeyService](#)₁₆₂

GlobalImpact.Utils Namespace

Classes

[CartSingleton](#)¹⁶⁵, [EmailService](#)¹⁶⁶, [GoogleMapsService](#)¹⁶⁹, [GoogleMapsServiceExtensions](#)¹⁷⁰

CartSingleton Class

VB

```
Public NotInheritable Class CartSingleton
```

C#

```
public sealed class CartSingleton
```

[C++]

```
public ref class CartSingleton sealed
```

[JScript]

```
public final class CartSingleton
```

Requirements

Namespace: [GlobalImpact.Utils](#)¹⁶⁵

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Instance](#)¹⁶⁵

Fields

[instance](#)¹⁶⁶

CartSingleton.Instance Property

VB

```
Public ReadOnly Shared Property Instance() As List(Of Product)
```

C#

```
public static List<Product> Instance {get;}
```

```
[C++]
public:
static property List<Product^>^ Instance {
    List<Product^>^ get( );
}
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [CartSingleton](#)₁₆₅

instance Field

VB

```
Public Shared instance As List(Of Product)
```

C#

```
public static List<Product> instance
```

```
[C++]
public:
static List<Product^>^ instance;
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [CartSingleton](#)₁₆₅

EmailService Class

Classe para envio de email de confirmação de conta.

VB

```
Public Class EmailService
    Implements IEmailService
```

C#

```
public class EmailService : IEmailService
```

[C++]

```
public ref class EmailService : public IEmailService^
```

[JScript]

```
public class EmailService  
    implements IEmailService
```

Requirements

Namespace: [GlobalImpact.Utils](#)₁₆₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[EmailService](#)₁₆₇

Methods

[SendEmailAsync](#)₁₆₈

EmailService Constructor

VB

```
Public Sub New(  
    ByVal config As IConfiguration _  
)
```

C#

```
public EmailService(  
    IConfiguration config  
)
```

[C++]

```
public:  
EmailService(  
    IConfiguration^ config  
)
```

[JScript]

```
public function EmailService(  
    config : IConfiguration  
);
```

Parameters

config

See Also

Applies to: [EmailService](#)¹⁶⁶

EmailService.SendEmailAsync Method

VB

```
Public Function SendEmailAsync( _  
    ByVal email As String, _  
    ByVal subject As String, _  
    ByVal message As String _  
) As Task
```

C#

```
public Task SendEmailAsync(  
    string email,  
    string subject,  
    string message  
)
```

```
[C++]  
public:  
Task^ SendEmailAsync(  
    String^ email,  
    String^ subject,  
    String^ message  
)
```

```
[JScript]  
public function SendEmailAsync(  
    email : String,  
    subject : String,  
    message : String  
) : Task;
```

Parameters

email

subject

message

See Also

Applies to: [EmailService](#)₁₆₆

GoogleMapsService Class

Classe de implementação do Google Maps.

[GlobalImpact.Interfaces.IGoogleMapsService](#)₉₈

GlobalImpact.Utls.GoogleMapsService

VB

```
Public Class GoogleMapsService
    Inherits IGoogleMapsService
```

C#

```
public class GoogleMapsService : IGoogleMapsService
```

[C++]

```
public ref class GoogleMapsService : public IGoogleMapsService^
```

[JScript]

```
public class GoogleMapsService
    extends IGoogleMapsService
```

Requirements

Namespace: [GlobalImpact.Utls](#)₁₆₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Constructors

[GoogleMapsService](#)₁₆₉

GoogleMapsService Constructor

VB

```
Public Sub New( _
    ByVal apiKey As String _
```

```
)
```

C#

```
public GoogleMapsService(  
    string apiKey  
)
```

```
[C++]  
public:  
GoogleMapsService(  
    String^ apiKey  
)
```

```
[JScript]  
public function GoogleMapsService(  
    apiKey : String  
);
```

Parameters

apiKey

See Also

Applies to: [GoogleMapsService](#)₁₆₉

GoogleMapsServiceExtensions Class

Classe de implementação da API do Google Maps.

VB

```
Public Class GoogleMapsServiceExtensions
```

C#

```
public static class GoogleMapsServiceExtensions
```

[C++]

```
public ref class GoogleMapsServiceExtensions
```

[JScript]

```
public class GoogleMapsServiceExtensions
```

Requirements

Namespace: [GlobalImpact.Utils](#)₁₆₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Methods

[AddGoogleMapsAPI](#)₁₇₁

GoogleMapsServiceExtensions.AddGoogleMapsAPI Method

VB

```
<Extension()> _  
Public Shared Function AddGoogleMapsAPI( _  
    ByVal services As IServiceCollection, _  
    ByVal apiKey As String _  
) As IServiceCollection
```

C#

```
public static IServiceCollection AddGoogleMapsAPI(  
    this IServiceCollection services,  
    string apiKey  
)
```

```
[C++]  
[Extension()]  
public:  
static IServiceCollection^ AddGoogleMapsAPI(  
    IServiceCollection^ services,  
    String^ apiKey  
)
```

```
[JScript]  
public  
    Extension()  
static function AddGoogleMapsAPI(  
    services : IServiceCollection,  
    apiKey : String  
) : IServiceCollection;
```

Parameters

services

apiKey

See Also

Applies to: [GoogleMapsServiceExtensions](#)¹⁷⁰

GlobalImpact.ViewModels.Account Namespace

Classes

[ConfirmEmailViewModel](#)¹⁷³, [ExternalLoginViewModel](#)¹⁷⁴, [ForgotPasswordViewModel](#)¹⁷⁹,
[LoginViewModel](#)¹⁸¹, [RegisterViewModel](#)¹⁸⁴, [ResetPasswordViewModel](#)¹⁹³

ConfirmEmailViewModel Class

Class de visualização da página de confirmação de email.

VB

```
Public Class ConfirmEmailViewModel
```

C#

```
public class ConfirmEmailViewModel
```

[C++]

```
public ref class ConfirmEmailViewModel
```

[JScript]

```
public class ConfirmEmailViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.Account](#)¹⁷³

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Email](#)¹⁷³

ConfirmEmailViewModel.Email Property

VB

```
<EmailAddress(> _  
Public Property Email() As String
```

C#

```
[EmailAddress()]  
public string Email {get; set;}
```

```
[C++]
[EmailAddress()]
public:
property String^ Email {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    EmailAddress()
function get Email() : String;
public
    EmailAddress()
function set Email(value : String);
```

See Also

Applies to: [ConfirmEmailViewModel](#)₁₇₃

ExternalLoginViewModel Class

Classe de visualização do login através da API externa.

VB

```
Public Class ExternalLoginViewModel
```

C#

```
public class ExternalLoginViewModel
```

```
[C++]
public ref class ExternalLoginViewModel
```

```
[JScript]
public class ExternalLoginViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.Account](#)₁₇₃

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Age](#)¹⁷⁵, [Email](#)¹⁷⁶, [FirstName](#)¹⁷⁶, [LastName](#)¹⁷⁷, [NIF](#)¹⁷⁸, [Name](#)¹⁷⁹

ExternalLoginViewModel.Age Property

VB

```
<Required()> _
<DisplayName = "Age"> _
<Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")> _
Public Property Age() As Integer
```

C#

```
[Required()]
[DisplayName = "Age"]
[Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")]
public int Age {get; set;}
```

```
[C++]
[Required()]
[DisplayName = "Age"]
[Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")]
public:
property int Age {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public
    Required()
    DisplayName = "Age"
    Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")
function get Age() : int;
public
    Required()
    DisplayName = "Age"
    Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")
function set Age(value : int);
```

See Also

Applies to: [ExternalLoginViewModel](#)¹⁷⁴

ExternalLoginViewModel.Email Property

VB

```
<EmailAddress()> _  
Public Property Email() As String
```

C#

```
[EmailAddress()]  
public string Email {get; set;}
```

```
[C++]  
[EmailAddress()]  
public:  
property String^ Email {  
    String^ get( );  
    void set(  
        String^ value  
    );  
}
```

```
[JScript]  
public  
    EmailAddress()  
function get Email() : String;  
public  
    EmailAddress()  
function set Email(value : String);
```

See Also

Applies to: [ExternalLoginViewModel](#)₁₇₄

ExternalLoginViewModel.FirstName Property

VB

```
<Required()> _  
<Display(Name = "FirstName")> _  
Public Property FirstName() As String
```

C#

```
[Required()]  
[Display(Name = "FirstName")]  
public string FirstName {get; set;}
```



```
[C++]
[Required()]
[Display(Name = "FirstName")]
public:
property String^ FirstName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    Display(Name = "FirstName")
function get FirstName() : String;
public
    Required()
    Display(Name = "FirstName")
function set FirstName(value : String);
```

See Also

Applies to: [ExternalLoginViewModel](#)₁₇₄

ExternalLoginViewModel.LastName Property

VB

```
<Required()> _
<Display(Name = "LastName")> _
Public Property LastName() As String
```

C#

```
[Required()]
[Display(Name = "LastName")]
public string LastName {get; set;}
```

```
[C++]
[Required()]
[Display(Name = "LastName")]
public:
property String^ LastName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    Display(Name = "LastName")
function get LastName() : String;
public
    Required()
    Display(Name = "LastName")
function set LastName(value : String);
```

See Also

Applies to: [ExternalLoginViewModel](#)¹⁷⁴

ExternalLoginViewModel.NIF Property

VB

```
<Display(Name = "NIF")> _
<RegularExpression(@"^\d{9}$", ErrorMessage = "O NIF deve conter exatamente 9
d\u00edgitos.")> _
Public Property NIF() As Nullable(Of Integer)
```

C#

```
[Display(Name = "NIF")]
[RegularExpression(@"^\d{9}$", ErrorMessage = "O NIF deve conter exatamente 9
d\u00edgitos.")]
public Nullable<int> NIF {get; set;}
```

```
[C++]
[Display(Name = "NIF")]
[RegularExpression(@"^\d{9}$", ErrorMessage = "O NIF deve conter exatamente 9
d\u00edgitos.")]
public:
property Nullable<int^> NIF {
    Nullable<int^> get( );
    void set(
        Nullable<int^> value
    );
}
```

```
[JScript]
JScript does not support generic types and methods.
```

See Also

Applies to: [ExternalLoginViewModel](#)₁₇₄

ExternalLoginViewModel.Name Property

VB

```
<Required()> _  
Public Property Name() As String
```

C#

```
[Required()]  
public string Name {get; set;}
```

```
[C++]  
[Required()]  
public:  
property String^ Name {  
    String^ get( );  
    void set(  
        String^ value  
    );  
}
```

```
[JScript]  
public  
    Required()  
function get Name() : String;  
public  
    Required()  
function set Name(value : String);
```

See Also

Applies to: [ExternalLoginViewModel](#)₁₇₄

ForgotPasswordViewModel Class

Classe de visualização da página "Forgot PassWord".

VB

```
Public Class ForgotPasswordViewModel
```

C#

```
public class ForgotPasswordViewModel
```

```
[C++]
public ref class ForgotPasswordViewModel
```

```
[JScript]
public class ForgotPasswordViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.Account](#)¹⁷³

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Email](#)¹⁸⁰

ForgotPasswordViewModel.Email Property

VB

```
<Required()> _
<EmailAddress()> _
Public Property Email() As String
```

C#

```
[Required()]
[EmailAddress()]
public string Email {get; set;}
```

```
[C++]
[Required()]
[EmailAddress()]
public:
property String^ Email {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    EmailAddress()
function get Email() : String;
```

```
public
    Required()
    EmailAddress()
function set Email(value : String);
```

See Also

Applies to: [ForgotPasswordViewModel](#)¹⁷⁹

LoginViewModel Class

Classe View de ecrã de login.

VB

```
Public Class LoginViewModel
```

C#

```
public class LoginViewModel
```

[C++]

```
public ref class LoginViewModel
```

[JScript]

```
public class LoginViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.Account](#)¹⁷³

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Password](#)¹⁸¹, [RememberMe](#)¹⁸², [ReturnUrl](#)¹⁸³, [UserName](#)¹⁸⁴

LoginViewModel.Password Property

VB

```
<Required()> _
<DataType(DataType.Password)> _
Public Property Password() As String
```

C#

```
[Required()]
[DataType(DataType.Password)]
public string Password {get; set;}
```

```
[C++]
[Required()]
[DataType(DataType.Password)]
public:
property String^ Password {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    DataType(DataType.Password)
function get Password() : String;
public
    Required()
    DataType(DataType.Password)
function set Password(value : String);
```

See Also

Applies to: [LoginViewModel](#)₁₈₁

LoginViewModel.RememberMe Property

VB

```
<Display(Name = "Remember Me?")> _
Public Property RememberMe() As Boolean
```

C#

```
[Display(Name = "Remember Me?")]
public bool RememberMe {get; set;}
```

```
[C++]
[Display(Name = "Remember Me?")]
public:
property bool RememberMe {
    bool get( );
    void set(
```

```

    bool value
  );
}

```

```

[JScript]
public
    Display(Name = "Remember Me?")
function get RememberMe() : boolean;
public
    Display(Name = "Remember Me?")
function set RememberMe(value : boolean);

```

See Also

Applies to: [LoginViewModel](#)₁₈₁

LoginViewModel.ReturnUrl Property

VB

```
Public Property ReturnUrl() As String
```

C#

```
public string ReturnUrl {get; set;}
```

```

[C++]
public:
property String^ ReturnUrl {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public function get ReturnUrl() : String;
public function set ReturnUrl(value : String);

```

See Also

Applies to: [LoginViewModel](#)₁₈₁

LoginViewModel.UserName Property

VB

```
<Required()> _
Public Property UserName() As String
```

C#

```
[Required()]
public string UserName {get; set;}
```

```
[C++]
[Required()]
public:
property String^ UserName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
function get UserName() : String;
public
    Required()
function set UserName(value : String);
```

See Also

Applies to: [LoginViewModel](#)₁₈₁

RegisterViewModel Class

Classe de visualização da página de registo.

VB

```
Public Class RegisterViewModel
```

C#

```
public class RegisterViewModel
```



```
[C++]
public ref class RegisterViewModel
```

```
[JScript]
public class RegisterViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.Account](#)¹⁷³

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Age](#)¹⁸⁵, [ConfirmPassword](#)¹⁸⁶, [Email](#)¹⁸⁷, [FirstName](#)¹⁸⁸, [LastName](#)¹⁸⁹, [NIF](#)¹⁸⁹, [Password](#)¹⁹⁰, [ReturnUrl](#)¹⁹¹, [UserName](#)¹⁹²

RegisterViewModel.Age Property

VB

```
<Required()> _
<Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")> _
<Display(Name = "Age")> _
Public Property Age() As Integer
```

C#

```
[Required()]
[Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")]
[Display(Name = "Age")]
public int Age {get; set;}
```

```
[C++]
[Required()]
[Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")]
[Display(Name = "Age")]
public:
property int Age {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public
```

```

    Required()
    Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")
    Display(Name = "Age")
function get Age() : int;
public
    Required()
    Range(18, int.MaxValue, ErrorMessage = "Idade minima de 18 anos")
    Display(Name = "Age")
function set Age(value : int);

```

See Also

Applies to: [RegisterViewModel](#)¹⁸⁴

RegisterViewModel.ConfirmPassword Property

VB

```

<DataType(DataType.Password)> _
<Display(Name = "Confirm password")> _
<Compare("Password", ErrorMessage = "The password and confirmation password do
not match.")> _
Public Property ConfirmPassword() As String

```

C#

```

[DataType(DataType.Password)]
[Display(Name = "Confirm password")]
[Compare("Password", ErrorMessage = "The password and confirmation password do
not match.")]
public string ConfirmPassword {get; set;}

```

```

[C++]
[DataType(DataType.Password)]
[Display(Name = "Confirm password")]
[Compare("Password", ErrorMessage = "The password and confirmation password do
not match.")]
public:
property String^ ConfirmPassword {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    DataType(DataType.Password)
    Display(Name = "Confirm password")

```

```

    Compare("Password", ErrorMessage = "The password and confirmation password do
not match.")
function get ConfirmPassword() : String;
public
    DataType(DataType.Password)
    Display(Name = "Confirm password")
    Compare("Password", ErrorMessage = "The password and confirmation password do
not match.")
function set ConfirmPassword(value : String);

```

See Also

Applies to: [RegisterViewModel](#)¹⁸⁴

RegisterViewModel.Email Property

VB

```

<EmailAddress()> _
<Display(Name = "Email")> _
<RegularExpression(@"[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$", ErrorMessage = "O
Email deve conter ter o seguinte formato: exemplo@globalimpact.com")> _
Public Property Email() As String

```

C#

```

[EmailAddress()]
[Display(Name = "Email")]
[RegularExpression(@"[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$", ErrorMessage = "O
Email deve conter ter o seguinte formato: exemplo@globalimpact.com")]
public string Email {get; set;}

```

```

[C++]
[EmailAddress()]
[Display(Name = "Email")]
[RegularExpression(@"[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$", ErrorMessage = "O
Email deve conter ter o seguinte formato: exemplo@globalimpact.com")]
public:
property String^ Email {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    EmailAddress()
    Display(Name = "Email")

```

```

        RegularExpression(@"[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$", ErrorMessage =
"O Email deve conter ter o seguinte formato: exemplo@globalimpact.com")
function get Email() : String;
public
    EmailAddress()
    Display(Name = "Email")
    RegularExpression(@"[a-z0-9._%+-]+@[a-z0-9.-]+\.[a-z]{2,4}$", ErrorMessage =
"O Email deve conter ter o seguinte formato: exemplo@globalimpact.com")
function set Email(value : String);

```

See Also

Applies to: [RegisterViewModel](#)¹⁸⁴

RegisterViewModel.FirstName Property

VB

```

<Required()> _
<Display(Name = "FirstName")> _
Public Property FirstName() As String

```

C#

```

[Required()]
[Display(Name = "FirstName")]
public string FirstName {get; set;}

```

```

[C++]
[Required()]
[Display(Name = "FirstName")]
public:
property String^ FirstName {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    Required()
    Display(Name = "FirstName")
function get FirstName() : String;
public
    Required()
    Display(Name = "FirstName")
function set FirstName(value : String);

```

See Also

Applies to: [RegisterViewModel](#)₁₈₄

RegisterViewModel.LastName Property

VB

```
<Required()> _
<Display(Name = "LastName")> _
Public Property LastName() As String
```

C#

```
[Required()]
[Display(Name = "LastName")]
public string LastName {get; set;}
```

```
[C++]
[Required()]
[Display(Name = "LastName")]
public:
property String^ LastName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
    Required()
    Display(Name = "LastName")
function get LastName() : String;
public
    Required()
    Display(Name = "LastName")
function set LastName(value : String);
```

See Also

Applies to: [RegisterViewModel](#)₁₈₄

RegisterViewModel.NIF Property

VB

```
<RegularExpression(@"^\d{9}$", ErrorMessage = "O NIF deve conter exatamente 9
d\u00edgitos.")> _
```

```
<Display(Name = "NIF")> _
Public Property NIF() As Nullable(Of Integer)
```

C#

```
[RegularExpression(@"^\d{9}$", ErrorMessage = "O NIF deve conter exatamente 9
dígitos.")]
[Display(Name = "NIF")]
public Nullable<int> NIF {get; set;}
```

```
[C++]
[RegularExpression(@"^\d{9}$", ErrorMessage = "O NIF deve conter exatamente 9
dígitos.")]
[Display(Name = "NIF")]
public:
property Nullable<int^> NIF {
    Nullable<int^> get( );
    void set(
        Nullable<int^> value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [RegisterViewModel](#)¹⁸⁴

RegisterViewModel.Password Property**VB**

```
<Required()> _
<StringLength(100, ErrorMessage = "The {0} must be at least {2} characters
long.", MinimumLength = 6)> _
<DataType(DataType.Password)> _
<Display(Name = "Password")> _
Public Property Password() As String
```

C#

```
[Required()]
[StringLength(100, ErrorMessage = "The {0} must be at least {2} characters
long.", MinimumLength = 6)]
[DataType(DataType.Password)]
[Display(Name = "Password")]
```

```
public string Password {get; set;}
```

```
[C++]
[Required()]
[StringLength(100, ErrorMessage = "The {0} must be at least {2} characters
long.", MinimumLength = 6)]
[DataType(DataType.Password)]
[Display(Name = "Password")]
public:
property String^ Password {
String^ get( );
void set(
String^ value
);
}
```

```
[JScript]
public
Required()
StringLength(100, ErrorMessage = "The {0} must be at least {2} characters
long.", MinimumLength = 6)
DataType(DataType.Password)
Display(Name = "Password")
function get Password() : String;
public
Required()
StringLength(100, ErrorMessage = "The {0} must be at least {2} characters
long.", MinimumLength = 6)
DataType(DataType.Password)
Display(Name = "Password")
function set Password(value : String);
```

See Also

Applies to: [RegisterViewModel](#)₁₈₄

RegisterViewModel.ReturnUrl Property

VB

```
Public Property ReturnUrl() As String
```

C#

```
public string ReturnUrl {get; set;}
```

[C++]

```

public:
property String^ ReturnUrl {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public function get ReturnUrl() : String;
public function set ReturnUrl(value : String);

```

See Also

Applies to: [RegisterViewModel](#)₁₈₄

RegisterViewModel.UserName Property

VB

```

<Required()> _
<DisplayName = "UserName"> _
Public Property UserName() As String

```

C#

```

[Required()]
[DisplayName = "UserName"]
public string UserName {get; set;}

```

```

[C++]
[Required()]
[DisplayName = "UserName"]
public:
property String^ UserName {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    Required()
    Display(Name = "UserName")
function get UserName() : String;
public

```



```
Required()  
Display(Name = "UserName")  
function set UserName(value : String);
```

See Also

Applies to: [RegisterViewModel](#)¹⁸⁴

ResetPasswordViewModel Class

Classe de visualização da página "Reset PassWord".

VB

```
Public Class ResetPasswordViewModel
```

C#

```
public class ResetPasswordViewModel
```

[C++]

```
public ref class ResetPasswordViewModel
```

[JScript]

```
public class ResetPasswordViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.Account](#)¹⁷³

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Code](#)¹⁹³, [ConfirmPassword](#)¹⁹⁴, [Password](#)¹⁹⁵, [UserId](#)¹⁹⁶

ResetPasswordViewModel.Code Property

VB

```
Public Property Code() As String
```

C#

```
public string Code {get; set;}
```

```
[C++]
public:
property String^ Code {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get Code() : String;
public function set Code(value : String);
```

See Also

Applies to: [ResetPasswordViewModel](#)¹⁹³

ResetPasswordViewModel.ConfirmPassword Property

VB

```
<DataType(DataType.Password)> _
<DisplayName = "Confirm Password"> _
<Compare("Password", ErrorMessage = "Passwords don't match!")> _
Public Property ConfirmPassword() As String
```

C#

```
[DataType(DataType.Password)]
[DisplayName = "Confirm Password"]
[Compare("Password", ErrorMessage = "Passwords don't match!")]
public string ConfirmPassword {get; set;}
```

```
[C++]
[DataType(DataType.Password)]
[DisplayName = "Confirm Password"]
[Compare("Password", ErrorMessage = "Passwords don't match!")]
public:
property String^ ConfirmPassword {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public
```

```

        DataType(DataType.Password)
        Display(Name = "Confirm Password")
        Compare("Password", ErrorMessage = "Passwords don't match!")
function get ConfirmPassword() : String;
public
    DataType(DataType.Password)
    Display(Name = "Confirm Password")
    Compare("Password", ErrorMessage = "Passwords don't match!")
function set ConfirmPassword(value : String);

```

See Also

Applies to: [ResetPasswordViewModel](#)₁₉₃

ResetPasswordViewModel.Password Property

VB

```

<Required()> _
<DataType(DataType.Password)> _
<Display(Name = "Password")> _
Public Property Password() As String

```

C#

```

[Required()]
[DataType(DataType.Password)]
[Display(Name = "Password")]
public string Password {get; set;}

```

```

[C++]
[Required()]
[DataType(DataType.Password)]
[Display(Name = "Password")]
public:
property String^ Password {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    Required()
    DataType(DataType.Password)
    Display(Name = "Password")
function get Password() : String;
public

```

```
Required()  
DataType(DataType.Password)  
Display(Name = "Password")  
function set Password(value : String);
```

See Also

Applies to: [ResetPasswordViewModel](#)₁₉₃

ResetPasswordViewModel.UserId Property

VB

```
Public Property UserId() As String
```

C#

```
public string UserId {get; set;}
```

```
[C++]  
public:  
property String^ UserId {  
    String^ get( );  
    void set(  
        String^ value  
    );  
}
```

```
[JScript]  
public function get UserId() : String;  
public function set UserId(value : String);
```

See Also

Applies to: [ResetPasswordViewModel](#)₁₉₃

GlobalImpact.ViewModels.NewFolder Namespace

Classes

[CreateRecyclingBinViewModel](#)¹⁹⁷

CreateRecyclingBinViewModel Class

Classe de visualização da página de criar eco ponto.

VB

```
Public Class CreateRecyclingBinViewModel
```

C#

```
public class CreateRecyclingBinViewModel
```

[C++]

```
public ref class CreateRecyclingBinViewModel
```

[JScript]

```
public class CreateRecyclingBinViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.NewFolder](#)¹⁹⁷

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Capacity](#)¹⁹⁷, [CurrentCapacity](#)¹⁹⁸, [Description](#)¹⁹⁹, [Id](#)²⁰⁰, [Latitude](#)²⁰⁰, [Longitude](#)²⁰¹, [RBTLList](#)²⁰², [Status](#)²⁰², [Type](#)²⁰³

CreateRecyclingBinViewModel.Capacity Property

VB

```
<Display(Name = "Capacity")> _  
Public Property Capacity() As Integer
```

C#

```
[Display(Name = "Capacity")]  
public int Capacity {get; set;}
```

```
[C++]
[Display(Name = "Capacity")]
public:
property int Capacity {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
public
    Display(Name = "Capacity")
function get Capacity() : int;
public
    Display(Name = "Capacity")
function set Capacity(value : int);
```

See Also

Applies to: [CreateRecyclingBinViewModel](#)¹⁹⁷

CreateRecyclingBinViewModel.CurrentCapacity Property

VB

```
<Display(Name = "CurrentCapacity")> _
Public Property CurrentCapacity() As Integer
```

C#

```
[Display(Name = "CurrentCapacity")]
public int CurrentCapacity {get; set;}
```

```
[C++]
[Display(Name = "CurrentCapacity")]
public:
property int CurrentCapacity {
    int get( );
    void set(
        int value
    );
}
```

```
[JScript]
```

```

public
    Display(Name = "CurrentCapacity")
function get CurrentCapacity() : int;
public
    Display(Name = "CurrentCapacity")
function set CurrentCapacity(value : int);

```

See Also

Applies to: [CreateRecyclingBinViewModel](#)₁₉₇

CreateRecyclingBinViewModel.Description Property

VB

```

<Display(Name = "Description")> _
Public Property Description() As String

```

C#

```

[Display(Name = "Description")]
public string Description {get; set;}

```

```

[C++]
[Display(Name = "Description")]
public:
property String^ Description {
    String^ get( );
    void set(
        String^ value
    );
}

```

```

[JScript]
public
    Display(Name = "Description")
function get Description() : String;
public
    Display(Name = "Description")
function set Description(value : String);

```

See Also

Applies to: [CreateRecyclingBinViewModel](#)₁₉₇

CreateRecyclingBinViewModel.Id Property

VB

```
<Key()> _  
Public Property Id() As Guid
```

C#

```
[Key()]  
public Guid Id {get; set;}
```

```
[C++]  
[Key()]  
public:  
property Guid Id {  
    Guid get( );  
    void set(  
        Guid value  
    );  
}
```

```
[JScript]  
public  
    Key()  
function get Id() : Guid;  
public  
    Key()  
function set Id(value : Guid);
```

See Also

Applies to: [CreateRecyclingBinViewModel](#)₁₉₇

CreateRecyclingBinViewModel.Latitude Property

VB

```
<DisplayName = "Latitude"> _  
Public Property Latitude() As Double
```

C#

```
[DisplayName = "Latitude"]  
public double Latitude {get; set;}
```



```
[C++]
[Display(Name = "Latitude")]
public:
property double Latitude {
    double get( );
    void set(
        double value
    );
}
```

```
[JScript]
public
    Display(Name = "Latitude")
function get Latitude() : double;
public
    Display(Name = "Latitude")
function set Latitude(value : double);
```

See Also

Applies to: [CreateRecyclingBinViewModel](#)¹⁹⁷

CreateRecyclingBinViewModel.Longitude Property

VB

```
<Display(Name = "Longitude")> _
Public Property Longitude() As Double
```

C#

```
[Display(Name = "Longitude")]
public double Longitude {get; set;}
```

```
[C++]
[Display(Name = "Longitude")]
public:
property double Longitude {
    double get( );
    void set(
        double value
    );
}
```

```
[JScript]
public
    Display(Name = "Longitude")
```

```
function get Longitude() : double;
public
    Display(Name = "Longitude")
function set Longitude(value : double);
```

See Also

Applies to: [CreateRecyclingBinViewModel](#)₁₉₇

CreateRecyclingBinViewModel.RBTLList Property

VB

```
<NotMapped()> _
Public Property RBTLList() As IEnumerable(Of SelectListItem)
```

C#

```
[NotMapped()]
public IEnumerable<SelectListItem> RBTLList {get; set;}
```

```
[C++]
[NotMapped()]
public:
property IEnumerable<SelectListItem^>^ RBTLList {
    IEnumerable<SelectListItem^>^ get( );
    void set(
        IEnumerable<SelectListItem^>^ value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [CreateRecyclingBinViewModel](#)₁₉₇

CreateRecyclingBinViewModel.Status Property

VB

```
<Display(Name = "Status")> _
Public Property Status() As Boolean
```

C#

```
[Display(Name = "Status")]
public bool Status {get; set;}
```

```
[C++]
[Display(Name = "Status")]
public:
property bool Status {
    bool get( );
    void set(
        bool value
    );
}
```

```
[JScript]
public
    Display(Name = "Status")
function get Status() : boolean;
public
    Display(Name = "Status")
function set Status(value : boolean);
```

See Also

Applies to: [CreateRecyclingBinViewModel](#)¹⁹⁷

CreateRecyclingBinViewModel.Type Property

VB

```
<Display(Name = "Type")> _
Public Property Type() As String()
```

C#

```
[Display(Name = "Type")]
public string[] Type {get; set;}
```

```
[C++]
[Display(Name = "Type")]
public:
property array< String^ >^ Type {
    array< String^ >^ get( );
    void set(
        array< String^ >^ value
    );
}
```

```
}
```

```
[JScript]
public
    Display(Name = "Type")
function get Type() : String[];
public
    Display(Name = "Type")
function set Type(value : String[]);
```

See Also

Applies to: [CreateRecyclingBinViewModel](#)₁₉₇

GlobalImpact.ViewModels.RecyclingBin Namespace

Classes

[EcoLogViewModel](#)²⁰⁵, [FilterViewModel](#)²⁰⁶, [ReciclarViewModel](#)²¹⁰

EcoLogViewModel Class

Classe ViewModel de simulação de introdução do id do ecoponto.

VB

```
Public Class EcoLogViewModel
```

C#

```
public class EcoLogViewModel
```

[C++]

```
public ref class EcoLogViewModel
```

[JScript]

```
public class EcoLogViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.RecyclingBin](#)²⁰⁵

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[IdInput](#)²⁰⁵

EcoLogViewModel.IdInput Property

VB

```
<Required()> _  
Public Property IdInput() As String
```

C#

```
[Required()]  
public string IdInput {get; set;}
```

```
[C++]
[Required()]
public:
property String^ IdInput {
String^ get( );
void set(
String^ value
);
}
```

```
[JScript]
public
Required()
function get IdInput() : String;
public
Required()
function set IdInput(value : String);
```

See Also

Applies to: [EcoLogViewModel](#)₂₀₅

FilterViewModel Class

Classe ViewModel da filtragem de ecopontos.

VB

```
Public Class FilterViewModel
```

C#

```
public class FilterViewModel
```

```
[C++]
public ref class FilterViewModel
```

```
[JScript]
public class FilterViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.RecyclingBin](#)₂₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[Capacity](#)₂₀₇, [CurrentCapacity](#)₂₀₇, [RecyclingBin](#)₂₀₈, [RecyclingBins](#)₂₀₈, [Status](#)₂₀₉, [Type](#)₂₁₀

FilterViewModel.Capacity Property

VB

```
Public Property Capacity() As Nullable(Of Double)
```

C#

```
public Nullable<double> Capacity {get; set;}
```

```
[C++]
public:
property Nullable<double^> Capacity {
    Nullable<double^> get( );
    void set(
        Nullable<double^> value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [FilterViewModel](#)₂₀₆

FilterViewModel.CurrentCapacity Property

VB

```
Public Property CurrentCapacity() As Nullable(Of Double)
```

C#

```
public Nullable<double> CurrentCapacity {get; set;}
```

```
[C++]
public:
property Nullable<double^> CurrentCapacity {
    Nullable<double^> get( );
    void set(
        Nullable<double^> value
    );
}
```

```
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [FilterViewModel](#)₂₀₆

FilterViewModel.RecyclingBin Property

VB

```
Public Property RecyclingBin() As RecyclingBin
```

C#

```
public RecyclingBin RecyclingBin {get; set;}
```

```
[C++]  
public:  
property RecyclingBin^ RecyclingBin {  
    RecyclingBin^ get( );  
    void set(  
        RecyclingBin^ value  
    );  
}
```

[JScript]

```
public function get RecyclingBin() : RecyclingBin;  
public function set RecyclingBin(value : RecyclingBin);
```

See Also

Applies to: [FilterViewModel](#)₂₀₆

FilterViewModel.RecyclingBins Property

VB

```
Public Property RecyclingBins() As IEnumerable(Of RecyclingBin)
```

C#


```
public IEnumerable<RecyclingBin> RecyclingBins {get; set;}
```

```
[C++]
public:
property IEnumerable<RecyclingBin^> RecyclingBins {
    IEnumerable<RecyclingBin^> get( );
    void set(
        IEnumerable<RecyclingBin^> value
    );
}
```

[JScript]

JScript does not support generic types and methods.

See Also

Applies to: [FilterViewModel](#)₂₀₆

FilterViewModel.Status Property

VB

```
Public Property Status() As String
```

C#

```
public string Status {get; set;}
```

```
[C++]
public:
property String^ Status {
    String^ get( );
    void set(
        String^ value
    );
}
```

[JScript]

```
public function get Status() : String;
public function set Status(value : String);
```

See Also

Applies to: [FilterViewModel](#)₂₀₆

FilterViewModel.Type Property

VB

```
Public Property Type() As String
```

C#

```
public string Type {get; set;}
```

```
[C++]
public:
property String^ Type {
    String^ get( );
    void set(
        String^ value
    );
}
```

[JScript]

```
public function get Type() : String;
public function set Type(value : String);
```

See Also

Applies to: [FilterViewModel](#)₂₀₆

ReciclarViewModel Class

Classe ViewModel de simulação do ato de reciclagem.

VB

```
Public Class ReciclarViewModel
```

C#

```
public class ReciclarViewModel
```

[C++]

```
public ref class ReciclarViewModel
```

[JScript]

```
public class ReciclarViewModel
```

Requirements

Namespace: [GlobalImpact.ViewModels.RecyclingBin](#)₂₀₅

Assembly: GlobalImpact (in GlobalImpact.dll)

Properties

[EcoPonto](#)₂₁₁, [RecItems](#)₂₁₁, [Reciclados](#)₂₁₂, [Type](#)₂₁₃, [UserName](#)₂₁₃

RecicarViewModel.EcoPonto Property

VB

```
Public Property EcoPonto() As RecyclingBin
```

C#

```
public RecyclingBin EcoPonto {get; set;}
```

```
[C++]
public:
property RecyclingBin^ EcoPonto {
    RecyclingBin^ get( );
    void set(
        RecyclingBin^ value
    );
}
```

```
[JScript]
public function get EcoPonto() : RecyclingBin;
public function set EcoPonto(value : RecyclingBin);
```

See Also

Applies to: [RecicarViewModel](#)₂₁₀

RecicarViewModel.RecItems Property

VB

```
Public Property RecItems() As List\(Of RecItems\)
```

C#

```
public List<RecItems> RecItems {get; set;}
```

```
[C++]
public:
property List<RecItems^>^ RecItems {
    List<RecItems^>^ get( );
    void set(
        List<RecItems^>^ value
    );
}
```

[JScript]
JScript does not support generic types and methods.

See Also

Applies to: [ReciclarViewModel](#)₂₁₀

ReciclarViewModel.Reciclados Property

VB

```
Public Property Reciclados() As List(Of RecItems)
```

C#

```
public List<RecItems> Reciclados {get; set;}
```

```
[C++]
public:
property List<RecItems^>^ Reciclados {
    List<RecItems^>^ get( );
    void set(
        List<RecItems^>^ value
    );
}
```

[JScript]
JScript does not support generic types and methods.

See Also

Applies to: [ReciclarViewModel](#)₂₁₀

ReciclarViewModel.Type Property

VB

```
Public Property Type() As String
```

C#

```
public string Type {get; set;}
```

```
[C++]
public:
property String^ Type {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get Type() : String;
public function set Type(value : String);
```

See Also

Applies to: [ReciclarViewModel](#)₂₁₀

ReciclarViewModel.UserName Property

VB

```
Public Property UserName() As String
```

C#

```
public string UserName {get; set;}
```

```
[C++]
public:
property String^ UserName {
    String^ get( );
    void set(
        String^ value
    );
}
```

```
[JScript]
public function get Username() : String;
public function set Username(value : String);
```

See Also

Applies to: [ReciclarViewModel](#)₂₁₀

Index

- <default> Namespace 12
- AccountController Class 13
- AccountController Constructor 13
- Add Method 78
- AddGoogleMapsAPI Method 171
- AdminController Class 29
- AdminController Constructor 30
- AdminProductsTransactions Method 41
- Age Property {GlobalImpact.Models.AppUser} 105
- Age Property
 - {GlobalImpact.ViewModels.Account.ExternalLoginViewModel} 175
- Age Property
 - {GlobalImpact.ViewModels.Account.RegisterViewModel} 185
- AppUser Class 105
- AppUser Property 87
- ApplicationDbContext Class 86
- ApplicationDbContext Constructor 86
- BinType Enumeration 97
- BuildTargetModel Method 101
- CancelConfirm Method 70
- CancelTrans Method 70
- CancelTransaction Method 42
- Capacity Property {GlobalImpact.Models.RecyclingBin} 144
- Capacity Property
 - {GlobalImpact.ViewModels.NewFolder.CreateRecyclingBinViewModel} 197
- Capacity Property
 - {GlobalImpact.ViewModels.RecyclingBin.FilterViewModel} 207
- Cart Class 113
- CartItem Class 93
- CartSingleton Class 165
- Category Property
 - {GlobalImpact.Models.ProductCategory} 126
- Category Property {GlobalImpact.Models.Product} 119
- Checkout Method 79
- Code Property 193
- ConfirmCancelTransaction Method 42
- ConfirmDeliverTransaction Method 43
- ConfirmEmailTask Method 15
- ConfirmEmailViewModel Class 173
- ConfirmPassword Property
 - {GlobalImpact.ViewModels.Account.RegisterViewModel} 186
- ConfirmPassword Property
 - {GlobalImpact.ViewModels.Account.ResetPasswordViewModel} 194
- ConfirmTransactions Method 44
- Create Method
 - {GlobalImpact.Controllers.ProductsController} 44
- Create (Product) Method
 - {GlobalImpact.Controllers.ProductsController} 45
- Create (RecyclingBin) Method
 - {GlobalImpact.Controllers.RecyclingBinsController} 55
- Create (RegisterViewModel, String) Method 32
- Create (String) Method
 - {GlobalImpact.Controllers.AdminController} 31
- Create (String) Method
 - {GlobalImpact.Controllers.RecyclingBinsController} 54
- CreateRecyclingBinViewModel Class 197
- CurrentCapacity Property
 - {GlobalImpact.Models.RecyclingBin} 145
- CurrentCapacity Property
 - {GlobalImpact.ViewModels.NewFolder.CreateRecyclingBinViewModel} 198
- CurrentCapacity Property
 - {GlobalImpact.ViewModels.RecyclingBin.FilterViewModel} 207
- Date Property
 - {GlobalImpact.Models.ProductTransactions} 130
- Date Property
 - {GlobalImpact.Models.RecyclingTransaction} 155
- Delete Method
 - {GlobalImpact.Controllers.AdminController} 33
- Delete Method
 - {GlobalImpact.Controllers.ProductsController} 46
- Delete Method
 - {GlobalImpact.Controllers.RecyclingBinsController} 56
- DeleteAllFromCart Method 80
- DeleteConfirmed Method
 - {GlobalImpact.Controllers.ProductsController} 47
- DeleteConfirmed Method
 - {GlobalImpact.Controllers.RecyclingBinsController} 57
- DeleteFromCart Method 80
- Description Property {GlobalImpact.Models.Product} 119
- Description Property
 - {GlobalImpact.Models.RecyclingBin} 145
- Description Property
 - {GlobalImpact.ViewModels.NewFolder.CreateRecyclingBinViewModel} 199
- Details Method
 - {GlobalImpact.Controllers.ProductsController} 48

Details Method {GlobalImpact.Controllers.RecyclingBinsController} 58	FirstName Property {GlobalImpact.Models.AppUser} 106
Down Method 102	FirstName Property {GlobalImpact.ViewModels.Account.ExternalLoginViewModel} 176
EcoLog Method 59	FirstName Property {GlobalImpact.ViewModels.Account.RegisterViewModel} 188
EcoLogViewModel Class 205	ForgotPassword Method 20
EcoLogin (EcoLogViewModel) Method 60	ForgotPassword (ForgotPasswordViewModel) Method 19
EcoLogin (Nullable<Guid>, String) Method 60	ForgotPasswordConfirmation Method 21
EcoPonto Property 211	ForgotPasswordViewModel Class 179
Ecos Method 61	FullBins Method 66
Edit (AppUser) Method 34	GetApiKey Method 163
Edit (Guid, Product) Method {GlobalImpact.Controllers.ProductsController} 48	GlobalImpact Reference 11
Edit (Guid, RecyclingBin) Method {GlobalImpact.Controllers.RecyclingBinsController} 62	GlobalImpact.Controllers Namespace 13
Edit (Nullable<Guid>) Method {GlobalImpact.Controllers.ProductsController} 50	GlobalImpact.Data Namespace 86
Edit (Nullable<Guid>) Method {GlobalImpact.Controllers.RecyclingBinsController} 63	GlobalImpact.Enumerates Namespace 97
Edit (String) Method {GlobalImpact.Controllers.AdminController} 35	GlobalImpact.Interfaces Namespace 98
Email Property {GlobalImpact.ViewModels.Account.ConfirmEmailViewModel} 173	GlobalImpact.Migrations Namespace 101
Email Property {GlobalImpact.ViewModels.Account.ExternalLoginViewModel} 176	GlobalImpact.Models Namespace 105
Email Property {GlobalImpact.ViewModels.Account.ForgotPasswordViewModel} 180	GlobalImpact.Services Namespace 161
Email Property {GlobalImpact.ViewModels.Account.RegisterViewModel} 187	GlobalImpact.Utils Namespace 165
EmailConfirmation Method 15	GlobalImpact.ViewModels.Account Namespace 173
EmailSending Method 16	GlobalImpact.ViewModels.NewFolder Namespace 197
EmailService Class {GlobalImpact.Services} 161	GlobalImpact.ViewModels.RecyclingBin Namespace 205
EmailService Class {GlobalImpact.Utils} 166	GoogleMaps Method 66
EmailService Constructor 167	GoogleMapsApiKeyService Class 162
Error Method 38	GoogleMapsApiKeyService Constructor 162
ErrorViewModel Class 116	GoogleMapsService Class 169
ExternalLogin Method 17	GoogleMapsService Constructor 169
ExternalLoginCallback Method 18	GoogleMapsServiceExtensions Class 170
ExternalLoginConfirmation Method 18	HomeController Class 36
ExternalLoginViewModel Class 174	HomeController Constructor 37
Filter Method 64	IEmailService Interface 98
FilterViewModel Class 206	IGoogleMapsService Class 98
Filtra Method {GlobalImpact.Controllers.ProductsController} 50	Id Property {GlobalImpact.Models.Cart} 113
Filtra Method {GlobalImpact.Controllers.StoreController} 81	Id Property {GlobalImpact.Models.ProductTransactions} 131
FiltrarMapa Method 65	Id Property {GlobalImpact.Models.Product} 120
FinalizeCheckout Method 82	Id Property {GlobalImpact.Models.RecItems} 140
FinishRecycling Method 71	Id Property {GlobalImpact.Models.RecyclingBin} 146
	Id Property {GlobalImpact.Models.RecyclingTransaction} 156
	Id Property {GlobalImpact.ViewModels.NewFolder.CreateRecyclingBinViewModel} 200
	IdInput Property 205
	Identity Property 107
	Image Property 121
	ImageUrl Property 122
	Index Method {GlobalImpact.Controllers.AdminController} 36

Index Method	Index Method
{GlobalImpact.Controllers.HomeController} 39	{GlobalImpact.ViewModels.Account.LoginViewModel} 181
Index Method	Password Property
{GlobalImpact.Controllers.ProductsController} 51	{GlobalImpact.ViewModels.Account.RegisterViewMo
Index Method	del} 190
{GlobalImpact.Controllers.RecyclingBinsController}	Password Property
67	{GlobalImpact.ViewModels.Account.ResetPasswordVi
Index Method	ewModel} 195
{GlobalImpact.Controllers.RecyclingTransactionContr	Peso Property 141
oller} 72	Points Property {GlobalImpact.Models.AppUser} 109
Index Method	Points Property
{GlobalImpact.Controllers.StoreController} 83	{GlobalImpact.Models.ProductTransactions} 132
Index Method {GlobalImpact.Services.EmailService} 161	Points Property {GlobalImpact.Models.Product} 123
Instance Property 165	Points Property
Items Property {GlobalImpact.Data.StationeryDb} 94	{GlobalImpact.Models.RecyclingTransaction} 156
Items Property {GlobalImpact.Data.StationeryItems} 95	Pontos Property 142
LastName Property {GlobalImpact.Models.AppUser}	Privacy Method 39
108	Product Class 118
LastName Property	Product Property 114
{GlobalImpact.ViewModels.Account.ExternalLoginVie	ProductCategory Class 125
wModel} 177	ProductCategoryId Property
LastName Property	{GlobalImpact.Models.ProductCategory} 127
{GlobalImpact.ViewModels.Account.RegisterViewMo	ProductCategoryId Property
del} 189	{GlobalImpact.Models.Product} 123
Latitude Property {GlobalImpact.Models.RecyclingBin}	ProductId Property 132
147	ProductName Property 133
Latitude Property	ProductTransactionStatus Class 127
{GlobalImpact.ViewModels.NewFolder.CreateRecyclin	ProductTransactionStatus Property 88
gBinViewModel} 200	ProductTransactionStatusId Property 128
ListItems Property 93	ProductTransactionStatusType Enumeration 97
LogOff Method 22	ProductTransactions Class 129
Login (LoginViewModel, String) Method 23	ProductTransactions Property 88
Login (String) Method 22	ProductType Enumeration 97
LoginViewModel Class 181	Products Property 89
Longitude Property {GlobalImpact.Models.RecyclingBin}	ProductsCategory Property 89
148	ProductsController Class 40
Longitude Property	ProductsController Constructor 40
{GlobalImpact.ViewModels.NewFolder.CreateRecyclin	ProductsTransactions Method 52
gBinViewModel} 201	Program Class 12
NIF Property {GlobalImpact.Models.AppUser} 109	Quantity Property {GlobalImpact.Models.Cart} 115
NIF Property	Quantity Property
{GlobalImpact.ViewModels.Account.ExternalLoginVie	{GlobalImpact.Models.ProductTransactions} 134
wModel} 178	Quantity Property {GlobalImpact.Models.Product} 124
NIF Property	RBTLList Property {GlobalImpact.Models.RecyclingBin}
{GlobalImpact.ViewModels.Account.RegisterViewMo	149
del} 189	RBTLList Property
Name Property {GlobalImpact.Models.Product} 122	{GlobalImpact.ViewModels.NewFolder.CreateRecyclin
Name Property	gBinViewModel} 202
{GlobalImpact.ViewModels.Account.ExternalLoginVie	Rec Method 73
wModel} 179	RecItems Class 140
Nome Property 141	RecItems Property 211
OnModelCreating Method 92	Reciclos Property 212
Order Method 84	Reciclar Method 74
	ReciclarViewModel Class 210

RecyclingBin Class 143	Status Property
RecyclingBin Property	{GlobalImpact.Models.ProductTransactionStatus}
{GlobalImpact.Models.RecyclingTransaction} 157	129
RecyclingBin Property	Status Property {GlobalImpact.Models.RecyclingBin}
{GlobalImpact.ViewModels.RecyclingBin.FilterViewM	151
odel} 208	Status Property
RecyclingBinType Class 152	{GlobalImpact.ViewModels.NewFolder.CreateRecyclin
RecyclingBinType Property	gBinViewModel} 202
{GlobalImpact.Data.ApplicationDbContext} 90	Status Property
RecyclingBinType Property	{GlobalImpact.ViewModels.RecyclingBin.FilterViewM
{GlobalImpact.Models.RecyclingBin} 149	odel} 209
RecyclingBinTypeId Property	Stock Property 125
{GlobalImpact.Models.RecyclingBinType} 153	StoreController Class 77
RecyclingBinTypeId Property	StoreController Constructor 77
{GlobalImpact.Models.RecyclingBin} 150	Tipo Property 143
RecyclingBins Property	TransStatus Property 134
{GlobalImpact.Data.ApplicationDbContext} 91	TransacionList Method 75
RecyclingBins Property	TransactionId Property 135
{GlobalImpact.ViewModels.RecyclingBin.FilterViewM	TransactionStatusId Property 136
odel} 208	Type Property {GlobalImpact.Models.RecyclingBinType}
RecyclingBinsController Class 53	154
RecyclingBinsController Constructor 53	Type Property {GlobalImpact.Models.RecyclingBin} 152
RecyclingTransaction Class 154	Type Property
RecyclingTransactionController Class 68	{GlobalImpact.ViewModels.NewFolder.CreateRecyclin
RecyclingTransactionController Constructor 69	gBinViewModel} 203
RecyclingTransactions Property 91	Type Property
Register (RegisterViewModel, String) Method 25	{GlobalImpact.ViewModels.RecyclingBin.FilterViewM
Register (String) Method 24	odel} 210
RegisterViewModel Class 184	Type Property
RememberMe Property 182	{GlobalImpact.ViewModels.RecyclingBin.ReciclarView
RequestId Property 117	Model} 213
ResetPassword (ResetPasswordViewModel) Method 27	UniqueCode Property 112
ResetPassword (String, String) Method 26	Up Method 103
ResetPasswordConfirmation Method 28	UpdateBin Method 76
ResetPasswordViewModel Class 193	UpdateQuantity Method 85
ReturnUrl Property	UpdateTypeChoise Method 67
{GlobalImpact.ViewModels.Account.LoginViewModel	User Property {GlobalImpact.Models.Cart} 116
} 183	User Property
ReturnUrl Property	{GlobalImpact.Models.RecyclingTransaction} 158
{GlobalImpact.ViewModels.Account.RegisterViewMo	UserId Property
del} 191	{GlobalImpact.Models.ProductTransactions} 137
Role Property 110	UserId Property
RoleId Property 111	{GlobalImpact.ViewModels.Account.ResetPasswordVi
RoleList Property 111	ewModel} 196
RoleType Enumeration 159	UserName Property
SGRR Class 101	{GlobalImpact.Models.ProductTransactions} 137
SendEmailAsync Method	UserName Property
{GlobalImpact.Interfaces.IEmailService} 99	{GlobalImpact.ViewModels.Account.LoginViewModel
SendEmailAsync Method	} 184
{GlobalImpact.Utills.EmailService} 168	UserName Property
ShowRequestId Property 117	{GlobalImpact.ViewModels.Account.RegisterViewMo
StationeryDb Class 94	del} 192
StationeryItems Class 95	UserName Property
	{GlobalImpact.ViewModels.RecyclingBin.ReciclarView
	Model} 213

UserPage Method 29
Weight Property 159
instance Field 166
product Property 138
user Property 139