

# Namespace CasaToro.Consulta.Certificados.BL.Services

## Classes

### [AdminService](#)

Servicio que maneja las operaciones relacionadas con los administradores, incluyendo la obtención de información de administradores.

### [BillService](#)

Servicio que maneja las operaciones relacionadas con las facturas, incluyendo la obtención de facturas para un proveedor específico.

### [CertificateServiceExcel](#)

Servicio que maneja la importación y procesamiento de información de certificados desde archivos Excel.

### [CertificatesService](#)

Servicio que maneja la generación y obtención de certificados de retención (IVA, ICA, RTF) desde la base de datos y su exportación a PDF.

### [InvalidExcelFormatException](#)

Excepción lanzada cuando el archivo Excel no tiene el formato esperado

### [LogService](#)

Servicio que maneja el registro y la gestión de logs de actividades y eventos en el sistema.

### [LoginService](#)

Servicio que maneja las operaciones de autenticación y gestión de sesiones de usuarios.

### [ProviderService](#)

Servicio que maneja las operaciones relacionadas con los proveedores, incluyendo la gestión de información y autenticación de proveedores.

# Class AdminService

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja las operaciones relacionadas con los administradores, incluyendo la obtención de información de administradores.

```
public class AdminService
```

Inheritance

[object](#) ← AdminService

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### AdminService(ApplicationDbContext)

Constructor de la clase AdminService.

```
public AdminService(ApplicationDbContext context)
```

Parameters

**context** [ApplicationDbContext](#)

Contexto de la base de datos.

## Methods

### getAdminById(string)

Obtiene un administrador por su ID.

```
public Administradore getAdminById(string id)
```

## Parameters

[id string](#)

ID del administrador.

## Returns

[Administradore](#)

Objeto Administradore que coincide con el ID proporcionado.

# Class BillService

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja las operaciones relacionadas con las facturas, incluyendo la obtención de facturas para un proveedor específico.

```
public class BillService
```

Inheritance

[object](#) ← BillService

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### BillService(ApplicationDbContext)

Constructor de la clase BillService.

```
public BillService(ApplicationDbContext context)
```

Parameters

context [ApplicationDbContext](#)

Contexto de la base de datos.

## Methods

### GetBillsForProvider(string)

Obtiene una lista de facturas para un proveedor específico por su NIT.

```
public List<FacturasProveedore> GetBillsForProvider(string nit)
```

## Parameters

**nit** [string](#)

NIT del proveedor.

## Returns

[List](#) <[FacturasProveedore](#)>

Lista de facturas asociadas al proveedor.

# Class CertificateServiceExcel

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja la importación y procesamiento de información de certificados desde archivos Excel.

```
public class CertificateServiceExcel
```

## Inheritance

[object](#) ← CertificateServiceExcel

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### CertificateServiceExcel(ApplicationDbContext)

Constructor de la clase CertificateServiceExcel.

```
public CertificateServiceExcel(ApplicationDbContext context)
```

## Parameters

context [ApplicationDbContext](#)

Contexto de la base de datos.

## Methods

### AddInfoIcaFromExcel(IFormFile)

Agrega información de certificados de ICA desde un archivo Excel.

```
public (string message, bool success) AddInfoIcaFromExcel(IFormFile file)
```

## Parameters

**file** [IFormFile](#)

Archivo Excel que contiene la información de los certificados de ICA.

## Returns

[\(string message, bool success\)](#)

Una tupla que contiene un mensaje y un indicador de éxito.

## Exceptions

[InvalidOperationException](#)

Lanzada cuando el archivo Excel no tiene el formato esperado.

## AddInfoIvaFromExcel(IFormFile)

Agrega información de certificados de IVA desde un archivo Excel.

```
public (string message, bool success) AddInfoIvaFromExcel(IFormFile file)
```

## Parameters

**file** [IFormFile](#)

Archivo Excel que contiene la información de los certificados de IVA.

## Returns

[\(string message, bool success\)](#)

Una tupla que contiene un mensaje y un indicador de éxito.

## Exceptions

## [InvalidExcelFormatException](#)

Lanzada cuando el archivo Excel no tiene el formato esperado.

## AddInfoRtfFromExcel(IFormFile)

Agrega información de certificados de RTF desde un archivo Excel.

```
public (string message, bool success) AddInfoRtfFromExcel(IFormFile file)
```

Parameters

**file** [IFormFile](#)

Archivo Excel que contiene la información de los certificados de RTF.

Returns

[\(string message, bool success\)](#)

Una tupla que contiene un mensaje y un indicador de éxito.

Exceptions

## [InvalidExcelFormatException](#)

Lanzada cuando el archivo Excel no tiene el formato esperado.

# Class CertificatesService

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja la generación y obtención de certificados de retención (IVA, ICA, RTF) desde la base de datos y su exportación a PDF.

```
public class CertificatesService
```

Inheritance

[object](#) ← CertificatesService

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### CertificatesService(ApplicationDbContext)

Constructor de la clase CertificatesService

```
public CertificatesService(ApplicationDbContext context)
```

Parameters

context [ApplicationDbContext](#)

Contexto de la base de datos

## Methods

### GenerateCertificate(string, string, string, string, string)

Genera un certificado de retención.

```
public string GenerateCertificate(string certificateType, string companyId, string year,
string period, string nit)
```

## Parameters

**certificateType** [string](#)

Tipo de certificado (1: IVA, 2: ICA, 3: RTF).

**companyId** [string](#)

ID de la empresa.

**year** [string](#)

Año del certificado.

**period** [string](#)

Periodo del certificado.

**nit** [string](#)

NIT del proveedor.

## Returns

[string](#)

URL del certificado generado.

## GetAvailableMonths()

Obtiene los meses disponibles para los certificados.

```
public HashSet<string> GetAvailableMonths()
```

## Returns

[HashSet](#)<[string](#)>

Conjunto de meses disponibles para los certificados.

## GetAvailableYears()

Obtiene los meses disponibles para los certificados.

```
public HashSet<int> GetAvailableYears()
```

Returns

[HashSet](#) <[int](#)>

Conjunto de meses disponibles para los certificados.

# Class InvalidExcelFormatException

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Excepción lanzada cuando el archivo Excel no tiene el formato esperado

```
public class InvalidExcelFormatException : Exception, ISerializable
```

## Inheritance

[object](#) ← [Exception](#) ← InvalidExcelFormatException

## Implements

[ISerializable](#)

## Inherited Members

[Exception.GetBaseException\(\)](#) , [Exception.GetType\(\)](#) , [Exception.ToString\(\)](#) , [Exception.Data](#) ,  
[Exception.HelpLink](#) , [Exception.HResult](#) , [Exception.InnerException](#) , [Exception.Message](#) ,  
[Exception.Source](#) , [Exception.StackTrace](#) , [Exception.TargetSite](#) , [Exception.SerializeObjectState](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#)

## Constructors

### InvalidExcelFormatException(string)

```
public InvalidExcelFormatException(string message)
```

## Parameters

message [string](#)

# Class LogService

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja el registro y la gestión de logs de actividades y eventos en el sistema.

```
public class LogService
```

Inheritance

[object](#) ← LogService

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### LogService(ApplicationDbContext)

Constructor de la clase LogService.

```
public LogService(ApplicationDbContext context)
```

Parameters

context [ApplicationDbContext](#)

Contexto de la base de datos.

## Methods

### addLogDownload(LogDescarga)

Agrega un registro de descarga al sistema de logs.

```
public void addLogDownload(LogDescarga log)
```

## Parameters

**log** [LogDescarga](#)

Objeto LogDescarga que contiene la información del registro de descarga.

## addLogLogin(LogLogin)

Agrega un registro de inicio de sesión al sistema de logs.

```
public void addLogLogin(LogLogin log)
```

## Parameters

**log** [LogLogin](#)

Objeto LogLogin que contiene la información del registro de inicio de sesión.

## addLogLoginAdmin(LogLoginAdmin)

Agrega un registro de inicio de sesión de administrador al sistema de logs.

```
public void addLogLoginAdmin(LogLoginAdmin log)
```

## Parameters

**log** [LogLoginAdmin](#)

Objeto LogLoginAdmin que contiene la información del registro de inicio de sesión de administrador.

# Class LoginService

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja las operaciones de autenticación y gestión de sesiones de usuarios.

```
public class LoginService
```

## Inheritance

[object](#) ← LoginService

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### LoginService(ProviderService, LogService, AdminService)

Constructor de la clase LoginService.

```
public LoginService(ProviderService providerService, LogService logService,  
AdminService adminService)
```

## Parameters

**providerService** [ProviderService](#)

Servicio para manejar proveedores.

**logService** [LogService](#)

Servicio para manejar logs.

**adminService** [AdminService](#)

Servicio para manejar administradores.

# Methods

## Authenticate(string, string)

Autentica a un usuario basado en su nombre de usuario y contraseña.

```
public (bool IsAuthenticated, ClaimsPrincipal Principal, string ErrorMessage, bool isAdmin)
Authenticate(string user, string pass)
```

### Parameters

**user** [string](#)

Nombre de usuario o NIT del usuario.

**pass** [string](#)

Contraseña del usuario.

### Returns

[\(bool IsAuthenticated, ClaimsPrincipal Principal, string ErrorMessage, bool isAdmin\)](#)

Una tupla que indica si la autenticación fue exitosa, el ClaimsPrincipal del usuario, un mensaje de error si lo hay, y si el usuario es un administrador.

## HashSHA256(string)

Hashea una cadena de texto utilizando el algoritmo SHA256.

```
public static string HashSHA256(string input)
```

### Parameters

**input** [string](#)

Cadena de texto a hashear.

### Returns

## string ↗

Cadena de texto hasheada en formato hexadecimal.

# Class ProviderService

Namespace: [CasaToro.Consulta.Certificados.BL.Services](#)

Assembly: CasaToro.Consulta.Certificados.BL.dll

Servicio que maneja las operaciones relacionadas con los proveedores, incluyendo la gestión de información y autenticación de proveedores.

```
public class ProviderService
```

Inheritance

[object](#) ← ProviderService

Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ProviderService(ApplicationDbContext)

Constructor de la clase ProviderService.

```
public ProviderService(ApplicationDbContext context)
```

Parameters

context [ApplicationDbContext](#)

Contexto de la base de datos.

## Methods

### GetCompaniesForProvider(string)

Obtiene una lista de empresas asociadas a un proveedor por su NIT.

```
public List<EmpresasMaster> GetCompaniesForProvider(string nit)
```

## Parameters

[nit string](#)

NIT del proveedor.

## Returns

[List](#) <[EmpresasMaster](#)>

Lista de empresas asociadas al proveedor.

## RestoreProviderPassword(string)

Restaura la contraseña de un proveedor a su valor predeterminado (NIT).

```
public void RestoreProviderPassword(string nit)
```

## Parameters

[nit string](#)

NIT del proveedor.

## Exceptions

[Exception](#)

Lanzada cuando ocurre un error al restaurar la contraseña del proveedor.

## UpdatePassword(ProveedoresMaster)

Actualiza la contraseña de un proveedor.

```
public void UpdatePassword(ProveedoresMaster provider)
```

## Parameters

### provider [ProveedoresMaster](#)

Objeto ProveedoresMaster con la nueva contraseña del proveedor.

## Exceptions

### [Exception ↗](#)

Lanzada cuando ocurre un error al actualizar la contraseña del proveedor.

## UpdateProvider(ProveedoresMaster)

Actualiza la información de un proveedor.

```
public void UpdateProvider(ProveedoresMaster provider)
```

## Parameters

### provider [ProveedoresMaster](#)

Objeto ProveedoresMaster con la información actualizada del proveedor.

## Exceptions

### [Exception ↗](#)

Lanzada cuando ocurre un error al actualizar el proveedor.

## getProviderByNit(string)

Obtiene un proveedor por su NIT.

```
public ProveedoresMaster getProviderByNit(string nit)
```

## Parameters

### nit [string ↗](#)

NIT del proveedor.

Returns

### [ProveedoresMaster](#)

Proveedor que coincide con el NIT proporcionado.

## getProviders(int, int, string?)

Obtiene una lista de proveedores con paginación y búsqueda opcional.

```
public List<ProveedoresMaster> getProviders(int pageNumber, int pageSize, string? search = null)
```

Parameters

### [pageNumber int](#)

Número de la página actual.

### [pageSize int](#)

Cantidad de elementos por página.

### [search string](#)

Término de búsqueda opcional para filtrar proveedores por NIT o nombre.

Returns

### [List <ProveedoresMaster>](#)

Lista de proveedores que coinciden con los criterios de búsqueda y paginación.

Exceptions

### [Exception](#)

Lanzada cuando ocurre un error al obtener la lista de proveedores.

## getProvidersCount(string?)

Obtiene el total de proveedores que coinciden con un término de búsqueda opcional.

```
public int getProvidersCount(string? search = null)
```

### Parameters

**search** [string](#)

Término de búsqueda opcional para filtrar proveedores por NIT o nombre.

### Returns

[int](#)

Cantidad total de proveedores que coinciden con el término de búsqueda.

# Namespace CasaToro.Consulta.Certificados.DAL

## Classes

[ApplicationDbContext](#)

# Class ApplicationDbContext

Namespace: [CasaToro.Consulta.Certificados.DAL](#)

Assembly: CasaToro.Consulta.Certificados.DAL.dll

```
public class ApplicationDbContext : DbContext, IInfrastructure<IServiceProvider>,
IDbContextDependencies, IDbSetCache, IDbContextPoolable, IResettableService,
IDisposable, IAsyncDisposable
```

## Inheritance

[object](#) ← [DbContext](#) ← ApplicationDbContext

## Implements

[IInfrastructure](#)<[IServiceProvider](#)>, [IDbContextDependencies](#), [IDbSetCache](#), [IDbContextPoolable](#),  
[IResettableService](#), [IDisposable](#), [IAsyncDisposable](#)

## Inherited Members

[DbContext.Set< TEntity >\(\)](#) , [DbContext.Set< TEntity >\(string\)](#) ,  
[DbContext.ConfigureConventions\(ModelConfigurationBuilder\)](#) , [DbContext.SaveChanges\(\)](#) ,  
[DbContext.SaveChanges\(bool\)](#) , [DbContext.SaveChangesAsync\(CancellationToken\)](#) ,  
[DbContext.SaveChangesAsync\(bool, CancellationToken\)](#) , [DbContext.Dispose\(\)](#) ,  
[DbContext.DisposeAsync\(\)](#) , [DbContext.Entry< TEntity >\(TEntity\)](#) , [DbContext.Entry\(object\)](#) ,  
[DbContext.Add< TEntity >\(TEntity\)](#) , [DbContext.AddAsync< TEntity >\(TEntity, CancellationToken\)](#) ,  
[DbContext.Attach< TEntity >\(TEntity\)](#) , [DbContext.Update< TEntity >\(TEntity\)](#) ,  
[DbContext.Remove< TEntity >\(TEntity\)](#) , [DbContext.Add\(object\)](#) ,  
[DbContext.AddAsync\(object, CancellationToken\)](#) , [DbContext.Attach\(object\)](#) ,  
[DbContext.Update\(object\)](#) , [DbContext.Remove\(object\)](#) , [DbContext.AddRange\(params object\[\]\)](#) ,  
[DbContext.AddRangeAsync\(params object\[\]\)](#) , [DbContext.AttachRange\(params object\[\]\)](#) ,  
[DbContext.UpdateRange\(params object\[\]\)](#) , [DbContext.RemoveRange\(params object\[\]\)](#) ,  
[DbContext.AddRange\(IEnumerable< object >\)](#) ,  
[DbContext.AddRangeAsync\(IEnumerable< object >, CancellationToken\)](#) ,  
[DbContext.AttachRange\(IEnumerable< object >\)](#) , [DbContext.UpdateRange\(IEnumerable< object >\)](#) ,  
[DbContext.RemoveRange\(IEnumerable< object >\)](#) , [DbContext.Find\(Type, params object\[\]\)](#) ,  
[DbContext.FindAsync\(Type, params object\[\]\)](#) ,  
[DbContext.FindAsync\(Type, object\[\], CancellationToken\)](#) , [DbContext.Find< TEntity >\(params object\[\]\)](#) ,  
[DbContext.FindAsync< TEntity >\(params object\[\]\)](#) ,  
[DbContext.FindAsync< TEntity >\(object\[\], CancellationToken\)](#) ,  
[DbContext.FromExpression< TResult >\(Expression< Func< IQueryable< TResult > > \)](#) ,  
[DbContext.Database](#) , [DbContext.ChangeTracker](#) , [DbContext.Model](#) , [DbContext.ContextId](#) ,

[DbContext.SavingChanges](#) , [DbContext.SavedChanges](#) , [DbContext.SaveChanges](#) ,  
[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Constructors

### ApplicationDbContext()

```
public ApplicationDbContext()
```

### ApplicationDbContext(DbContextOptions<ApplicationDbContext>)

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

#### Parameters

options [DbContextOptions](#)<ApplicationDbContext>

## Properties

### Administradores

```
public virtual DbSet<Administradore> Administradores { get; set; }
```

#### Property Value

[DbSet](#)<Administradore>

### CertificadosIcas

```
public virtual DbSet<CertificadosIca> CertificadosIcas { get; set; }
```

Property Value

[DbSet<CertificadosIca>](#)

## CertificadosIvas

```
public virtual DbSet<CertificadosIva> CertificadosIvas { get; set; }
```

Property Value

[DbSet<CertificadosIva>](#)

## CertificadosRteftes

```
public virtual DbSet<CertificadosRtefte> CertificadosRteftes { get; set; }
```

Property Value

[DbSet<CertificadosRtefte>](#)

## EmpresasMasters

```
public virtual DbSet<EmpresasMaster> EmpresasMasters { get; set; }
```

Property Value

[DbSet<EmpresasMaster>](#)

## EmpresasProveedores

```
public virtual DbSet<EmpresasProveedore> EmpresasProveedores { get; set; }
```

Property Value

[DbSet](#) <[EmpresasProveedores](#)>

## FacturasProveedores

```
public virtual DbSet<FacturasProveedores> FacturasProveedores { get; set; }
```

Property Value

[DbSet](#) <[FacturasProveedores](#)>

## LogDescargas

```
public virtual DbSet<LogDescarga> LogDescargas { get; set; }
```

Property Value

[DbSet](#) <[LogDescarga](#)>

## LogLoginAdmins

```
public virtual DbSet<LogLoginAdmin> LogLoginAdmins { get; set; }
```

Property Value

[DbSet](#) <[LogLoginAdmin](#)>

## LogLogins

```
public virtual DbSet<LogLogin> LogLogins { get; set; }
```

Property Value

[DbSet](#) <[LogLogin](#)>

# ProveedoresMasters

```
public virtual DbSet<ProveedoresMaster> ProveedoresMasters { get; set; }
```

## Property Value

[DbSet](#) <ProveedoresMaster>

## Methods

### OnConfiguring(DbContextOptionsBuilder)

Override this method to configure the database (and other options) to be used for this context. This method is called for each instance of the context that is created. The base implementation does nothing.

```
protected override void OnConfiguring(DbContextOptionsBuilder optionsBuilder)
```

## Parameters

`optionsBuilder` [DbContextOptionsBuilder](#)

A builder used to create or modify options for this context. Databases (and other extensions) typically define extension methods on this object that allow you to configure the context.

## Remarks

In situations where an instance of [DbContextOptions](#) may or may not have been passed to the constructor, you can use [IsConfigured](#) to determine if the options have already been set, and skip some or all of the logic in [OnConfiguring\(DbContextOptionsBuilder\)](#).

See [DbContext lifetime, configuration, and initialization](#) for more information and examples.

## OnModelCreating(ModelBuilder)

Override this method to further configure the model that was discovered by convention from the entity types exposed in [DbSet< TEntity >](#) properties on your derived context. The resulting model may be cached and re-used for subsequent instances of your derived context.

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

## Parameters

modelBuilder [ModelBuilder](#)

The builder being used to construct the model for this context. Databases (and other extensions) typically define extension methods on this object that allow you to configure aspects of the model that are specific to a given database.

## Remarks

If a model is explicitly set on the options for this context (via [UseModel\(IModel\)](#)) then this method will not be run. However, it will still run when creating a compiled model.

See [Modeling entity types and relationships](#) for more information and examples.

# Namespace CasaToro.Consulta.Certificados. Entities

## Classes

[Administradore](#)

[CertificadosIca](#)

[CertificadosIva](#)

[CertificadosRtefte](#)

[EmpresasMaster](#)

[EmpresasProveedore](#)

[FacturasProveedore](#)

[LogDescarga](#)

[LogLogin](#)

[LogLoginAdmin](#)

[ProveedoresMaster](#)

# Class Administradore

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class Administradore
```

## Inheritance

[object](#) ← Administradore

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Contrasena

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

### Property Value

[string](#)

## IdAdmin

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

### Property Value

[string](#)

## LogLoginAdmins

```
public virtual ICollection<LogLoginAdmin> LogLoginAdmins { get; set; }
```

Property Value

[ICollection](#)<[LogLoginAdmin](#)>

Nombre

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

Property Value

[string](#)

# Class CertificadosIca

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class CertificadosIca
```

## Inheritance

[object](#) ← CertificadosIca

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Ano

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

## Property Value

[int](#)

## Base

```
public decimal Base { get; set; }
```

## Property Value

[decimal](#)

## CiudadExpedido

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

Property Value

[string](#)

## CiudadPago

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

Property Value

[string](#)

## Concepto

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

Property Value

[string](#)

## FechaExpedicion

```
public DateOnly FechaExpedicion { get; set; }
```

Property Value

[DateOnly](#)

## IdEmpresa

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

Property Value

[int ↗](#)

## IdEmpresaNavigation

```
public virtual EmpresasMaster IdEmpresaNavigation { get; set; }
```

Property Value

[EmpresasMaster](#)

## IdIca

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

Property Value

[Guid ↗](#)

## Nit

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

Property Value

[string ↗](#)

## NitNavigation

```
public virtual ProveedoresMaster NitNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

## Periodo

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

Property Value

[int](#)

## Porcentaje

```
public decimal Porcentaje { get; set; }
```

Property Value

[decimal](#)

## Retenido

```
public decimal Retenido { get; set; }
```

Property Value

[decimal](#)

# Class CertificadosIva

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class CertificadosIva
```

## Inheritance

[object](#) ← CertificadosIva

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Ano

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

### Property Value

[int](#)

## Base

```
public decimal Base { get; set; }
```

### Property Value

[decimal](#)

## CiudadExpedido

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

Property Value

[string](#)

## CiudadPago

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

Property Value

[string](#)

## Concepto

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

Property Value

[string](#)

## FechaExpedicion

```
public DateOnly FechaExpedicion { get; set; }
```

Property Value

[DateOnly](#)

## IdEmpresa

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

Property Value

[int ↗](#)

## IdEmpresaNavigation

```
public virtual EmpresasMaster IdEmpresaNavigation { get; set; }
```

Property Value

[EmpresasMaster](#)

## IdIva

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

Property Value

[Guid ↗](#)

## Iva

```
public decimal Iva { get; set; }
```

Property Value

[decimal ↗](#)

## Nit

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

Property Value

[string](#) ↗

## NitNavigation

```
public virtual ProveedoresMaster NitNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

## Periodo

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

Property Value

[int](#) ↗

## Porcentaje

```
public decimal Porcentaje { get; set; }
```

Property Value

[decimal](#) ↗

## Porcentajelva

```
public decimal PorcentajeIva { get; set; }
```

Property Value

[decimal](#) ↗

Retenido

```
public decimal Retenido { get; set; }
```

Property Value

[decimal](#) ↗

# Class CertificadosRtefte

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class CertificadosRtefte
```

## Inheritance

[object](#) ← CertificadosRtefte

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Ano

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

### Property Value

[int](#)

## Base

```
public decimal Base { get; set; }
```

### Property Value

[decimal](#)

## CiudadExpedido

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

Property Value

[string](#)

## CiudadPago

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

Property Value

[string](#)

## Concepto

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

Property Value

[string](#)

## FechaExpedicion

```
public DateOnly FechaExpedicion { get; set; }
```

Property Value

[DateOnly](#)

## IdEmpresa

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

Property Value

[int ↗](#)

## IdEmpresaNavigation

```
public virtual EmpresasMaster IdEmpresaNavigation { get; set; }
```

Property Value

[EmpresasMaster](#)

## IdRtf

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

Property Value

[Guid ↗](#)

## Mes

```
public int? Mes { get; set; }
```

Property Value

[int ↗?](#)

## Nit

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

Property Value

[string](#) ↗

## NitNavigation

```
public virtual ProveedoresMaster NitNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

## Porcentaje

```
public decimal Porcentaje { get; set; }
```

Property Value

[decimal](#) ↗

## Retenido

```
public decimal Retenido { get; set; }
```

Property Value

[decimal](#) ↗

# Class EmpresasMaster

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class EmpresasMaster
```

## Inheritance

[object](#) ← EmpresasMaster

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

### CertificadosIcas

```
public virtual ICollection<CertificadosIca> CertificadosIcas { get; set; }
```

#### Property Value

[ICollection](#)<[CertificadosIca](#)>

### CertificadosIvas

```
public virtual ICollection<CertificadosIva> CertificadosIvas { get; set; }
```

#### Property Value

[ICollection](#)<[CertificadosIva](#)>

### CertificadosRteftes

```
public virtual ICollection<CertificadosRtefte> CertificadosRteftes { get; set; }
```

Property Value

[ICollection](#) <[CertificadosRtefte](#)>

Direccion

```
public string? Direccion { get; set; }
```

Property Value

[string](#)

FacturasProveedores

```
public virtual ICollection<FacturasProveedore> FacturasProveedores { get; set; }
```

Property Value

[ICollection](#) <[FacturasProveedore](#)>

IdEmpresa

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

Property Value

[int](#)

Nit

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

Property Value

[string](#) ↗

Nombre

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

Property Value

[string](#) ↗

# Class EmpresasProveedore

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class EmpresasProveedore
```

## Inheritance

[object](#) ← EmpresasProveedore

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## IdEmpresa

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

### Property Value

[int](#)

## IdEmpresaNavigation

```
public virtual EmpresasMaster IdEmpresaNavigation { get; set; }
```

### Property Value

[EmpresasMaster](#)

## Nit

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

Property Value

[string](#) ↗

## NitNavigation

```
public virtual ProveedoresMaster NitNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

# Class FacturasProveedore

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class FacturasProveedore
```

## Inheritance

[object](#) ← FacturasProveedore

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## BancoReceptor

```
public string? BancoReceptor { get; set; }
```

### Property Value

[string](#)

## CodigoSpiga

```
public int? CodigoSpiga { get; set; }
```

### Property Value

[int](#)?

## CuentaBancaria

```
public string? CuentaBancaria { get; set; }
```

Property Value

[string](#) ↗

Descripcion

```
public string? Descripcion { get; set; }
```

Property Value

[string](#) ↗

Estado

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

Property Value

[string](#) ↗

FechaFactura

```
public DateOnly FechaFactura { get; set; }
```

Property Value

[DateOnly](#) ↗

FechaPago

```
public DateOnly? FechaPago { get; set; }
```

Property Value

[DateOnly](#)?

## IdEmpresa

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

Property Value

[int](#)

## IdEmpresaNavigation

```
public virtual EmpresasMaster IdEmpresaNavigation { get; set; }
```

Property Value

[EmpresasMaster](#)

## IdFactura

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

Property Value

[Guid](#)

## Iva

```
public decimal Iva { get; set; }
```

Property Value

[decimal](#)

## Moneda

```
public string? Moneda { get; set; }
```

Property Value

[string](#)

## Nit

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

Property Value

[string](#)

## NitNavigation

```
public virtual ProveedoresMaster NitNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

## NumeroFactura

```
public string? NumeroFactura { get; set; }
```

Property Value

[string](#) ↗

## ReteFuente

```
public decimal ReteFuente { get; set; }
```

Property Value

[decimal](#) ↗

## Retelca

```
public decimal ReteIca { get; set; }
```

Property Value

[decimal](#) ↗

## Retelva

```
public decimal ReteIva { get; set; }
```

Property Value

[decimal](#) ↗

## ValorPago

```
public decimal? ValorPago { get; set; }
```

Property Value

decimal?

## ValorTotal

```
public decimal ValorTotal { get; set; }
```

Property Value

decimal?

# Class LogDescarga

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class LogDescarga
```

## Inheritance

[object](#) ← LogDescarga

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## DocumentoDesc

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

### Property Value

[string](#)

## FecDesc

```
public DateTime FecDesc { get; set; }
```

### Property Value

[DateTime](#)

## IdRegistroDescargas

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

Property Value

[Guid](#)

## NitTercero

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

Property Value

[string](#)

## NitTerceroNavigation

```
public virtual ProveedoresMaster NitTerceroNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

## NombreTercero

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

Property Value

[string](#)

# Class LogLogin

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class LogLogin
```

## Inheritance

[object](#) ← LogLogin

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## FecLogin

```
public DateTime FecLogin { get; set; }
```

### Property Value

[DateTime](#)

## IdRegistroLogin

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

### Property Value

[Guid](#)

## NitTercero

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

Property Value

[string](#) ↗

## NitTerceroNavigation

```
public virtual ProveedoresMaster NitTerceroNavigation { get; set; }
```

Property Value

[ProveedoresMaster](#)

## NombreTercero

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

Property Value

[string](#) ↗

# Class LogLoginAdmin

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class LogLoginAdmin
```

## Inheritance

[object](#) ← LogLoginAdmin

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## FecLogin

```
public DateTime FecLogin { get; set; }
```

### Property Value

[DateTime](#)

## IdAdmin

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

### Property Value

[string](#)

## IdAdminNavigation

```
public virtual Administradore IdAdminNavigation { get; set; }
```

Property Value

[Administradore](#)

## IdRegistroLogin

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

Property Value

[Guid](#)

## NombreAdmin

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

Property Value

[string](#)

# Class ProveedoresMaster

Namespace: [CasaToro.Consulta.Certificados.Entities](#)

Assembly: CasaToro.Consulta.Certificados.Entities.dll

```
public class ProveedoresMaster
```

## Inheritance

[object](#) ← ProveedoresMaster

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Properties

### CertificadosIcas

```
public virtual ICollection<CertificadosIca> CertificadosIcas { get; set; }
```

#### Property Value

[ICollection](#)<[CertificadosIca](#)>

### CertificadosIvas

```
public virtual ICollection<CertificadosIva> CertificadosIvas { get; set; }
```

#### Property Value

[ICollection](#)<[CertificadosIva](#)>

### CertificadosRteftes

```
public virtual ICollection<CertificadosRtefte> CertificadosRteftes { get; set; }
```

Property Value

[ICollection](#)<[CertificadosRtefte](#)>

Contrasena

```
public string? Contrasena { get; set; }
```

Property Value

[string](#)

Correo

```
public string? Correo { get; set; }
```

Property Value

[string](#)

Direccion

```
public string? Direccion { get; set; }
```

Property Value

[string](#)

FacturasProveedores

```
public virtual ICollection<FacturasProveedores> FacturasProveedores { get; set; }
```

Property Value

[ICollection](#) <[FacturasProveedores](#)>

## LogDescargas

```
public virtual ICollection<LogDescarga> LogDescargas { get; set; }
```

Property Value

[ICollection](#) <[LogDescarga](#)>

## LogLogins

```
public virtual ICollection<LogLogin> LogLogins { get; set; }
```

Property Value

[ICollection](#) <[LogLogin](#)>

## Nit

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

Property Value

[string](#)

## Nombre

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

Property Value

[string](#) ↗

Telefono

```
public string? Telefono { get; set; }
```

Property Value

[string](#) ↗

# Namespace CasaToro.Consulta.Certificados. Web.Controllers

## Classes

### [AdminController](#)

Controlador que maneja las acciones relacionadas con la administración, incluyendo la gestión de proveedores y certificados.

### [LoginController](#)

Controlador que maneja las acciones relacionadas con el inicio de sesión y cierre de sesión.

### [ProviderController](#)

# Class AdminController

Namespace: [CasaToro.Consulta.Certificados.Web.Controllers](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

Controlador que maneja las acciones relacionadas con la administración, incluyendo la gestión de proveedores y certificados.

```
[Authorize(Roles = "Admin")]
public class AdminController : Controller, IActionFilter, IAsyncActionFilter,
IFilterMetadata, IDisposable
```

## Inheritance

[object](#) ← [ControllerBase](#) ← [Controller](#) ← AdminController

## Implements

[IActionFilter](#), [IAsyncActionFilter](#), [IFilterMetadata](#), [IDisposable](#)

## Inherited Members

[Controller.View\(\)](#), [Controller.View\(string\)](#), [Controller.View\(object\)](#),  
[Controller.View\(string, object\)](#), [Controller.PartialView\(\)](#), [Controller.PartialView\(string\)](#),  
[Controller.PartialView\(object\)](#), [Controller.PartialView\(string, object\)](#),  
[Controller.ViewComponent\(string\)](#), [Controller.ViewComponent\(Type\)](#),  
[Controller.ViewComponent\(string, object\)](#), [Controller.ViewComponent\(Type, object\)](#),  
[Controller.Json\(object\)](#), [Controller.Json\(object, object\)](#),  
[Controller.OnActionExecuting\(ActionExecutingContext\)](#),  
[Controller.OnActionExecuted\(ActionExecutedContext\)](#),  
[Controller.OnActionExecutionAsync\(ActionExecutingContext, ActionExecutionDelegate\)](#),  
[Controller.Dispose\(\)](#), [Controller.Dispose\(bool\)](#), [Controller.ViewData](#), [Controller.TempData](#),  
[Controller.ViewBag](#), [ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
[ControllerBase.Content\(string\)](#), [ControllerBase.Content\(string, string\)](#),  
[ControllerBase.Content\(string, string, Encoding\)](#),  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#), [ControllerBase.NoContent\(\)](#),  
[ControllerBase.Ok\(\)](#), [ControllerBase.Ok\(object\)](#), [ControllerBase.Redirect\(string\)](#),  
[ControllerBase.RedirectPermanent\(string\)](#), [ControllerBase.RedirectPreserveMethod\(string\)](#),  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.LocalRedirect\(string\)](#),  
[ControllerBase.LocalRedirectPermanent\(string\)](#), [ControllerBase.LocalRedirectPreserveMethod\(string\)](#),  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.RedirectToAction\(\)](#),  
[ControllerBase.RedirectToAction\(string\)](#), [ControllerBase.RedirectToAction\(string, object\)](#),  
[ControllerBase.RedirectToAction\(string, string\)](#),

[ControllerBase.RedirectToAction\(string, string, object\) ↴](#) ,  
 [ControllerBase.RedirectToAction\(string, string, string\) ↴](#) ,  
 [ControllerBase.RedirectToAction\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanent\(string\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanent\(string, object\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanent\(string, string\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanent\(string, string, string\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanent\(string, string, object\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanent\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToRoute\(string\) ↴ , ControllerBase.RedirectToRoute\(object\) ↴](#) ,  
 [ControllerBase.RedirectToRoute\(string, object\) ↴ , ControllerBase.RedirectToRoute\(string, string\) ↴](#) ,  
 [ControllerBase.RedirectToRoute\(string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePreserveMethod\(string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePermanent\(string\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePermanent\(object\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePermanent\(string, string\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToRoutePermanentPreserveMethod\(string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToPage\(string\) ↴ , ControllerBase.RedirectToPage\(string, object\) ↴](#) ,  
 [ControllerBase.RedirectToPage\(string, string\) ↴ , ControllerBase.RedirectToPage\(string, string, object\) ↴](#) ,  
 [ControllerBase.RedirectToPage\(string, string, string\) ↴](#) ,  
 [ControllerBase.RedirectToPage\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToPagePermanent\(string\) ↴](#) ,  
 [ControllerBase.RedirectToPagePermanent\(string, object\) ↴](#) ,  
 [ControllerBase.RedirectToPagePermanent\(string, string\) ↴](#) ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, string\) ↴](#) ,  
 [ControllerBase.RedirectToPagePermanent\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToPagePreserveMethod\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.RedirectToPagePermanentPreserveMethod\(string, string, object, string\) ↴](#) ,  
 [ControllerBase.File\(byte\[\], string\) ↴ , ControllerBase.File\(byte\[\], string, bool\) ↴](#) ,  
 [ControllerBase.File\(byte\[\], string, string\) ↴ , ControllerBase.File\(byte\[\], string, string, bool\) ↴](#) ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue\) ↴](#) ,  
 [ControllerBase.File\(byte\[\], string, DateTimeOffset?, EntityTagHeaderValue, bool\) ↴](#) ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue\) ↴](#) ,  
 [ControllerBase.File\(byte\[\], string, string, DateTimeOffset?, EntityTagHeaderValue, bool\) ↴](#) ,  
 [ControllerBase.File\(Stream, string\) ↴ , ControllerBase.File\(Stream, string, bool\) ↴](#) ,  
 [ControllerBase.File\(Stream, string, string\) ↴ , ControllerBase.File\(Stream, string, string, bool\) ↴](#) ,

[ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(string, string\)](#)  ,  [ControllerBase.File\(string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, string\)](#)  ,  [ControllerBase.File\(string, string, string, bool\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string\)](#)  ,  [ControllerBase.PhysicalFile\(string, string, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,  
 [ControllerBase.Unauthorized\(\)](#)  ,  [ControllerBase.Unauthorized\(object\)](#)  ,  [ControllerBase.NotFound\(\)](#)  ,  
 [ControllerBase.NotFound\(object\)](#)  ,  [ControllerBase.BadRequest\(\)](#)  ,  
 [ControllerBase.BadRequest\(object\)](#)  ,  [ControllerBase.BadRequest\(ModelStateDictionary\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(\)](#)  ,  [ControllerBase.UnprocessableEntity\(object\)](#)  ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#)  ,  [ControllerBase.Conflict\(\)](#)  ,  
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 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#)  ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#)  ,  [ControllerBase.ValidationProblem\(\)](#)  ,  
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 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#)  ,

[ControllerBase.AcceptedAtRoute\(object\)](#) ,  [ControllerBase.AcceptedAtRoute\(string\)](#) ,  
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 [ControllerBase.Challenge\(params string\[\]\)](#) ,  [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,  [ControllerBase.Forbid\(\)](#) ,  
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 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,  
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,  [ControllerBase.SignOut\(params string\[\]\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,  
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### AdminController(CertificateServiceExcel, ProviderService)

Constructor del controlador que recibe instancias de los servicios necesarios.

```
public AdminController(CertificateServiceExcel certificateServiceExcel,  
ProviderService providerService)
```

## Parameters

`certificateServiceExcel` [CertificateServiceExcel](#)

Servicio de certificados desde Excel.

`providerService` [ProviderService](#)

Servicio de proveedores.

## Methods

`GetProviders(int, int, string?)`

Acción que obtiene la lista de proveedores con paginación y búsqueda opcional.

```
[HttpGet]  
public IActionResult GetProviders(int pageNumber = 1, int pageSize = 100, string? search  
= null)
```

## Parameters

`pageNumber` [int](#)

Número de la página actual.

`pageSize` [int](#)

Cantidad de elementos por página.

`search` [string](#)

Término de búsqueda opcional para filtrar proveedores por NIT o nombre.

## Returns

[IActionResult](#)

Lista de proveedores que coinciden con los criterios de búsqueda y paginación.

## ProviderList()

Acción que muestra la vista para la administración de proveedores.

```
public ActionResult ProviderList()
```

Returns

[ActionResult](#)

Vista de administración de proveedores.

## RestoreProviderPassword(string)

Acción que restaura la contraseña de un proveedor a su valor predeterminado (NIT).

```
[HttpGet]  
public IActionResult RestoreProviderPassword(string nit)
```

Parameters

[nit string](#)

NIT del proveedor.

Returns

[IActionResult](#)

Resultado de la operación de restauración de contraseña.

## UpdateCertificateInfo(IFormFile, string)

Acción que maneja la actualización de la información de los certificados desde un archivo Excel.

```
[HttpPost]  
public IActionResult UpdateCertificateInfo(IFormFile file, string infoType)
```

## Parameters

**file** [IFormFile](#)

Archivo Excel que contiene la información de los certificados.

**infoType** [string](#)

Tipo de información (IVA, ICA, RTF).

## Returns

[IActionResult](#)

Resultado de la operación de actualización.

## UpdateInfo()

Acción que muestra la vista principal del administrador.

```
public ActionResult UpdateInfo()
```

## Returns

[ActionResult](#)

Vista principal del administrador.

## UpdateProvider(ProveedoresMaster)

Acción que actualiza la información de un proveedor.

```
[HttpPost]  
public IActionResult UpdateProvider(ProveedoresMaster provider)
```

## Parameters

**provider** [ProveedoresMaster](#)

  Objeto ProveedoresMaster con la información actualizada del proveedor.

## Returns

[IActionResult](#)

  Resultado de la operación de actualización.

# Class LoginController

Namespace: [CasaToro.Consulta.Certificados.Web.Controllers](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

Controlador que maneja las acciones relacionadas con el inicio de sesión y cierre de sesión.

```
public class LoginController : Controller, IActionFilter, IAsyncActionFilter,  
IFilterMetadata, IDisposable
```

## Inheritance

[object](#) ← [ControllerBase](#) ← [Controller](#) ← LoginController

## Implements

[IActionFilter](#), [IAsyncActionFilter](#), [IFilterMetadata](#), [IDisposable](#)

## Inherited Members

[Controller.View\(\)](#), [Controller.View\(string\)](#), [Controller.View\(object\)](#),  
[Controller.View\(string, object\)](#), [Controller.PartialView\(\)](#), [Controller.PartialView\(string\)](#),  
[Controller.PartialView\(object\)](#), [Controller.PartialView\(string, object\)](#),  
[Controller.ViewComponent\(string\)](#), [Controller.ViewComponent\(Type\)](#),  
[Controller.ViewComponent\(string, object\)](#), [Controller.ViewComponent\(Type, object\)](#),  
[Controller.Json\(object\)](#), [Controller.Json\(object, object\)](#),  
[Controller.OnActionExecuting\(ActionExecutingContext\)](#),  
[Controller.OnActionExecuted\(ActionExecutedContext\)](#),  
[Controller.OnActionExecutionAsync\(ActionExecutingContext, ActionExecutionDelegate\)](#),  
[Controller.Dispose\(\)](#), [Controller.Dispose\(bool\)](#), [Controller.ViewData](#), [Controller.TempData](#),  
[Controller.ViewBag](#), [ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
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 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
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 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
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 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
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 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

### LoginController(LoginService)

Constructor del controlador que recibe una instancia de LoginService.

```
public LoginController(LoginService loginService)
```

## Parameters

`loginService` [LoginService](#)

Servicio de login.

## Methods

### Index()

Acción que muestra la vista de inicio de sesión.

```
public ActionResult Index()
```

#### Returns

[ActionResult](#)

Vista de inicio de sesión.

### Login(LoginViewModel)

Acción que maneja el envío del formulario de inicio de sesión.

```
[HttpPost]  
public Task<ActionResult> Login(LoginViewModel model)
```

#### Parameters

`model` [LoginViewModel](#)

Modelo de vista de inicio de sesión.

#### Returns

[Task](#) <[ActionResult](#)>

Redirección a la página correspondiente según el rol del usuario.

## Logout()

Acción que maneja el cierre de sesión.

```
public ActionResult Logout()
```

Returns

[ActionResult](#)

Redirección a la página de inicio de sesión.

# Class ProviderController

Namespace: [CasaToro.Consulta.Certificados.Web.Controllers](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

```
[Authorize]
public class ProviderController : Controller, IActionFilter, IAsyncActionFilter,
IFilterMetadata, IDisposable
```

## Inheritance

[object](#) ← [ControllerBase](#) ← [Controller](#) ← ProviderController

## Implements

[IActionFilter](#), [IAsyncActionFilter](#), [IFilterMetadata](#), [IDisposable](#)

## Inherited Members

[Controller.View\(\)](#), [Controller.View\(string\)](#), [Controller.View\(object\)](#),  
[Controller.View\(string, object\)](#), [Controller.PartialView\(\)](#), [Controller.PartialView\(string\)](#),  
[Controller.PartialView\(object\)](#), [Controller.PartialView\(string, object\)](#),  
[Controller.ViewComponent\(string\)](#), [Controller.ViewComponent\(Type\)](#),  
[Controller.ViewComponent\(string, object\)](#), [Controller.ViewComponent\(Type, object\)](#),  
[Controller.Json\(object\)](#), [Controller.Json\(object, object\)](#),  
[Controller.OnActionExecuting\(ActionExecutingContext\)](#),  
[Controller.OnActionExecuted\(ActionExecutedContext\)](#),  
[Controller.OnActionExecutionAsync\(ActionExecutingContext, ActionExecutionDelegate\)](#),  
[Controller.Dispose\(\)](#), [Controller.Dispose\(bool\)](#), [Controller.ViewData](#), [Controller.TempData](#),  
[Controller.ViewBag](#), [ControllerBase.StatusCode\(int\)](#), [ControllerBase.StatusCode\(int, object\)](#),  
[ControllerBase.Content\(string\)](#), [ControllerBase.Content\(string, string\)](#),  
[ControllerBase.Content\(string, string, Encoding\)](#),  
[ControllerBase.Content\(string, MediaTypeHeaderValue\)](#), [ControllerBase.NoContent\(\)](#),  
[ControllerBase.Ok\(\)](#), [ControllerBase.Ok\(object\)](#), [ControllerBase.Redirect\(string\)](#),  
[ControllerBase.RedirectPermanent\(string\)](#), [ControllerBase.RedirectPreserveMethod\(string\)](#),  
[ControllerBase.RedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.LocalRedirect\(string\)](#),  
[ControllerBase.LocalRedirectPermanent\(string\)](#), [ControllerBase.LocalRedirectPreserveMethod\(string\)](#),  
[ControllerBase.LocalRedirectPermanentPreserveMethod\(string\)](#), [ControllerBase.RedirectToAction\(\)](#),  
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[ControllerBase.RedirectToAction\(string, string, string\)](#),

[ControllerBase.RedirectToAction\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToActionPreserveMethod\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToActionPermanent\(string\)](#)  ,  
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 [ControllerBase.RedirectToActionPermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToActionPermanent\(string, string, string\)](#)  ,  
 [ControllerBase.RedirectToActionPermanent\(string, string, object\)](#)  ,  
 [ControllerBase.RedirectToActionPermanent\(string, string, object, string\)](#)  ,  
 [ControllerBase.RedirectToActionPermanentPreserveMethod\(string, string, object, string\)](#)  ,  
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 [ControllerBase.RedirectToRoutePermanent\(string, string\)](#)  ,  
 [ControllerBase.RedirectToRoutePermanent\(string, object, string\)](#)  ,  
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 [ControllerBase.File\(Stream, string\)](#)  ,  [ControllerBase.File\(Stream, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, string\)](#)  ,  [ControllerBase.File\(Stream, string, string, bool\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?\)](#)  ,  [ControllerBase.EntityTagHeaderValue](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue\)](#)  ,  
 [ControllerBase.File\(Stream, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#)  ,

[ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
 [ControllerBase.File\(Stream, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
 [ControllerBase.File\(string, string\)](#) ,  [ControllerBase.File\(string, string, bool\)](#) ,  
 [ControllerBase.File\(string, string, string\)](#) ,  [ControllerBase.File\(string, string, string, bool\)](#) ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
 [ControllerBase.File\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
 [ControllerBase.File\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string\)](#) ,  [ControllerBase.PhysicalFile\(string, string, bool\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, string\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, string, bool\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue\)](#) ,  
 [ControllerBase.PhysicalFile\(string, string, string, DateTimeOffset?, EntityTagHeaderValue, bool\)](#) ,  
 [ControllerBase.Unauthorized\(\)](#) ,  [ControllerBase.Unauthorized\(object\)](#) ,  [ControllerBase.NotFound\(\)](#) ,  
 [ControllerBase.NotFound\(object\)](#) ,  [ControllerBase.BadRequest\(\)](#) ,  
 [ControllerBase.BadRequest\(object\)](#) ,  [ControllerBase.BadRequest\(ModelStateDictionary\)](#) ,  
 [ControllerBase.UnprocessableEntity\(\)](#) ,  [ControllerBase.UnprocessableEntity\(object\)](#) ,  
 [ControllerBase.UnprocessableEntity\(ModelStateDictionary\)](#) ,  [ControllerBase.Conflict\(\)](#) ,  
 [ControllerBase.Conflict\(object\)](#) ,  [ControllerBase.Conflict\(ModelStateDictionary\)](#) ,  
 [ControllerBase.Problem\(string, string, int?, string, string\)](#) ,  
 [ControllerBase.ValidationProblem\(ValidationProblemDetails\)](#) ,  
 [ControllerBase.ValidationProblem\(ModelStateDictionary\)](#) ,  [ControllerBase.ValidationProblem\(\)](#) ,  
 [ControllerBase.ValidationProblem\(string, string, int?, string, string, ModelStateDictionary\)](#) ,  
 [ControllerBase.Created\(\)](#) ,  [ControllerBase.Created\(string, object\)](#) ,  
 [ControllerBase.Created\(Uri, object\)](#) ,  [ControllerBase.CreatedAtAction\(string, object\)](#) ,  
 [ControllerBase.CreatedAtAction\(string, object, object\)](#) ,  
 [ControllerBase.CreatedAtAction\(string, string, object, object\)](#) ,  
 [ControllerBase.CreatedAtRoute\(string, object\)](#) ,  [ControllerBase.CreatedAtRoute\(object, object\)](#) ,  
 [ControllerBase.CreatedAtRoute\(string, object, object\)](#) ,  [ControllerBase.Accepted\(\)](#) ,  
 [ControllerBase.Accepted\(object\)](#) ,  [ControllerBase.Accepted\(Uri\)](#) ,  [ControllerBase.Accepted\(string\)](#) ,  
 [ControllerBase.Accepted\(string, object\)](#) ,  [ControllerBase.Accepted\(Uri, object\)](#) ,  
 [ControllerBase.AcceptedAtAction\(string\)](#) ,  [ControllerBase.AcceptedAtAction\(string, string\)](#) ,  
 [ControllerBase.AcceptedAtAction\(string, object\)](#) ,  
 [ControllerBase.AcceptedAtAction\(string, string, object\)](#) ,  
 [ControllerBase.AcceptedAtAction\(string, object, object\)](#) ,  
 [ControllerBase.AcceptedAtAction\(string, string, object, object\)](#) ,  
 [ControllerBase.AcceptedAtRoute\(object\)](#) ,  [ControllerBase.AcceptedAtRoute\(string\)](#) ,  
 [ControllerBase.AcceptedAtRoute\(string, object\)](#) ,  [ControllerBase.AcceptedAtRoute\(object, object\)](#) ,

[ControllerBase.AcceptedAtRoute\(string, object, object\)](#) ,  [ControllerBase.Challenge\(\)](#) ,  
 [ControllerBase.Challenge\(params string\[\]\)](#) ,  [ControllerBase.Challenge\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Challenge\(AuthenticationProperties, params string\[\]\)](#) ,  [ControllerBase.Forbid\(\)](#) ,  
 [ControllerBase.Forbid\(params string\[\]\)](#) ,  [ControllerBase.Forbid\(AuthenticationProperties\)](#) ,  
 [ControllerBase.Forbid\(AuthenticationProperties, params string\[\]\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal\)](#) ,  [ControllerBase.SignIn\(ClaimsPrincipal, string\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties\)](#) ,  
 [ControllerBase.SignIn\(ClaimsPrincipal, AuthenticationProperties, string\)](#) ,  [ControllerBase.SignOut\(\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties\)](#) ,  [ControllerBase.SignOut\(params string\[\]\)](#) ,  
 [ControllerBase.SignOut\(AuthenticationProperties, params string\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, params Expression<Func<TModel, object>>\[\]\)](#) ,  
 [ControllerBase.TryUpdateModelAsync<TModel>\(TModel, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string\)](#) ,  
 [ControllerBase.TryUpdateModelAsync\(object, Type, string, IValueProvider, Func<ModelMetadata, bool>\)](#) ,  
 [ControllerBase.TryValidateModel\(object\)](#) ,  [ControllerBase.TryValidateModel\(object, string\)](#) ,  
 [ControllerBase.HttpContext](#) ,  [ControllerBase.Request](#) ,  [ControllerBase.Response](#) ,  
 [ControllerBase.RouteData](#) ,  [ControllerBase.ModelState](#) ,  [ControllerBase.ControllerContext](#) ,  
 [ControllerBase.MetadataProvider](#) ,  [ControllerBase.ModelBinderFactory](#) ,  [ControllerBase.Url](#) ,  
 [ControllerBase.ObjectValidator](#) ,  [ControllerBase.ProblemDetailsFactory](#) ,  [ControllerBase.User](#) ,  
 [ControllerBase.Empty](#) ,  [object.Equals\(object\)](#) ,  [object.Equals\(object, object\)](#) ,  
 [object.GetHashCode\(\)](#) ,  [object.GetType\(\)](#) ,  [object.MemberwiseClone\(\)](#) ,  
 [object.ReferenceEquals\(object, object\)](#) ,  [object.ToString\(\)](#)

## Constructors

ProviderController(BillService, ProviderService, Certificates Service, LogService)

```
public ProviderController(BillService billService, ProviderService providerService,
```

```
CertificatesService certificatesServices, LogService logService)
```

## Parameters

billService [BillService](#)

providerService [ProviderService](#)

certificatesServices [CertificatesService](#)

logService [LogService](#)

## Methods

### Bill()

```
public ActionResult Bill()
```

#### Returns

[ActionResult](#)

### Certificates()

```
public ActionResult Certificates()
```

#### Returns

[ActionResult](#)

### DeleteCertificate(string)

```
[HttpPost]  
public IActionResult DeleteCertificate(string url)
```

Parameters

url [string](#)

Returns

[IActionResult](#)

## GenerateCertificate(string, string, string, string)

```
[HttpPost]  
public IActionResult GenerateCertificate(string certificateType, string companyId, string  
year, string period)
```

Parameters

certificateType [string](#)

companyId [string](#)

year [string](#)

period [string](#)

Returns

[IActionResult](#)

## UpdatePassword(string)

```
[HttpPost]  
public IActionResult UpdatePassword(string password)
```

Parameters

password [string](#)

Returns

[IActionResult](#)

## UpdateProvider(ProveedoresMaster)

```
public IActionResult UpdateProvider(ProveedoresMaster provider)
```

Parameters

provider [ProveedoresMaster](#)

Returns

[IActionResult](#)

## VerifyPassword(string)

```
[HttpPost]  
public IActionResult VerifyPassword(string currentPassword)
```

Parameters

currentPassword [string](#)

Returns

[IActionResult](#)

## editProfile()

```
public ActionResult editProfile()
```

Returns

[ActionResult](#)

# Namespace CasaToro.Consulta.Certificados. Web.Models

## Classes

[BillsViewModel](#)

[CertificatesViewModel](#)

[LoginViewModel](#)

[ProfileViewModel](#)

# Class BillsViewModel

Namespace: [CasaToro.Consulta.Certificados.Web.Models](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

```
public class BillsViewModel
```

## Inheritance

[object](#) ← BillsViewModel

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Bills

```
public List<FacturasProveedore> Bills { get; set; }
```

## Property Value

[List](#) <[FacturasProveedore](#)>

# Class CertificatesViewModel

Namespace: [CasaToro.Consulta.Certificados.Web.Models](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

```
public class CertificatesViewModel
```

## Inheritance

[object](#) ← CertificatesViewModel

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

## Fields

### companies

```
public List<EmpresasMaster> companies
```

### Field Value

[List](#) <[EmpresasMaster](#)>

### months

```
public HashSet<string> months
```

### Field Value

[HashSet](#) <[string](#)>

### years

```
public HashSet<int> years
```

Field Value

[HashSet](#) <[int](#)>

# Class LoginViewModel

Namespace: [CasaToro.Consulta.Certificados.Web.Models](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

```
public class LoginViewModel
```

## Inheritance

[object](#) ← LoginViewModel

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Password

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

## Property Value

[string](#)

## UserName

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

## Property Value

[string](#)

# Class ProfileViewModel

Namespace: [CasaToro.Consulta.Certificados.Web.Models](#)

Assembly: CasaToro.Consulta.Certificados.Web.dll

```
public class ProfileViewModel
```

## Inheritance

[object](#) ← ProfileViewModel

## Inherited Members

[object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,  
[object.MemberwiseClone\(\)](#) , [object.ReferenceEquals\(object, object\)](#) , [object.ToString\(\)](#)

# Properties

## Provider

```
public ProveedoresMaster Provider { get; set; }
```

## Property Value

[ProveedoresMaster](#)