

Namespace ClinicManagement_proj.BLL

Classes

[ClinicManagementApp](#)

Manages clinic operations such as user, appointment, doctor, and patient management.

Class ClinicManagementApp

Namespace: [ClinicManagement_proj.BLL](#)

Assembly: ClinicManagement_proj.dll

Manages clinic operations such as user, appointment, doctor, and patient management.

```
public static class ClinicManagementApp
```

Inheritance

[object](#) ← ClinicManagementApp

Inherited Members

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

Properties

AppointmentService

```
public static AppointmentService AppointmentService { get; }
```

Property Value

[AppointmentService](#)

CurrentUser

```
public static UserDTO CurrentUser { get; set; }
```

Property Value

[UserDTO](#)

DbContext

```
public static ClinicDbContext DbContext { get; }
```

Property Value

[ClinicDbContext](#)

DoctorScheduleService

```
public static DoctorScheduleService DoctorScheduleService { get; }
```

Property Value

[DoctorScheduleService](#)

DoctorService

```
public static DoctorService DoctorService { get; }
```

Property Value

[DoctorService](#)

HasLoggedInBefore

```
public static bool HasLoggedInBefore { get; set; }
```

Property Value

[bool](#) ↗

NotificationService

```
public static NotificationService NotificationService { get; }
```

Property Value

[NotificationService](#)

PatientService

```
public static PatientService PatientService { get; }
```

Property Value

[PatientService](#)

UserService

```
public static UserService UserService { get; }
```

Property Value

[UserService](#)

ViewsService

```
public static ViewsService ViewsService { get; }
```

Property Value

[ViewsService](#)

Methods

CurrentUserHasRole(UserRoles)

Checks if the current user has a specific role.

```
public static bool CurrentUserHasRole(UserService.UserRoles role)
```

Parameters

`role` [UserService.UserRoles](#)

The role to check.

Returns

`bool` ↗

True if the user has the role, otherwise false.

CurrentUserHasRole(params UserRoles[])

Checks if the current user has any of the specified roles.

```
public static bool CurrentUserHasRole(params UserService.UserRoles[] roles)
```

Parameters

`roles` [UserRoles](#)[]

The roles to check.

Returns

`bool` ↗

True if the user has any of the roles, otherwise false.

Namespace ClinicManagement_proj.BLL.DTO

Classes

[AppointmentDTO](#)

Represents an appointment data transfer object.

[AuditAppointmentDTO](#)

Represents an audit appointment data transfer object.

[DoctorDTO](#)

Represents a doctor data transfer object.

[DoctorScheduleDTO](#)

Represents a doctor schedule data transfer object.

[PatientDTO](#)

Represents a patient data transfer object.

[RoleDTO](#)

Represents a role data transfer object.

[SpecialtyDTO](#)

Represents a specialty in the clinic.

[TimeSlotDTO](#)

Represents a time slot data transfer object.

[UserDTO](#)

Represents a user data transfer object.

Enums

[DaysOfWeekEnum](#)

Represents the days of the week.

Class AppointmentDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents an appointment data transfer object.

```
public class AppointmentDTO
```

Inheritance

[object](#) ← AppointmentDTO

Inherited Members

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

Constructors

AppointmentDTO()

Initializes a new instance of the AppointmentDTO class.

```
public AppointmentDTO()
```

AppointmentDTO(DateTime, string, int, int, int, DateTime, DateTime)

Initializes a new instance of the AppointmentDTO class with specified parameters.

```
public AppointmentDTO(DateTime date, string notes, int doctorId, int patientId, int timeSlotId, DateTime createdAt, DateTime modifiedAt)
```

Parameters

date [DateTime](#)

The date of the appointment.

notes [string](#)

The notes for the appointment.

doctorId [int](#)

The ID of the doctor.

patientId [int](#)

The ID of the patient.

timeSlotId [int](#)

The ID of the time slot.

createdAt [DateTime](#)

The creation date.

modifiedAt [DateTime](#)

The modification date.

Fields

NOTES_MAX_LENGTH

```
public static int NOTES_MAX_LENGTH
```

Field Value

[int](#)

Properties

CreatedAt

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

Property Value

[DateTime ↗](#)

Date

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

Property Value

[DateTime ↗](#)

Doctor

```
public DoctorDTO Doctor { get; set; }
```

Property Value

[DoctorDTO](#)

DoctorId

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

Property Value

[int ↗](#)

Id

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

Property Value

[int ↗](#)

ModifiedAt

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

Property Value

[DateTime ↗](#)

Notes

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

Property Value

[string ↗](#)

Patient

```
public PatientDTO Patient { get; set; }
```

Property Value

[PatientDTO](#)

PatientId

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

Property Value

[int ↗](#)

Status

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

Property Value

[string ↗](#)

TimeSlot

```
public TimeSlotDTO TimeSlot { get; set; }
```

Property Value

[TimeSlotDTO](#)

TimeSlotId

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

Property Value

[int ↗](#)

Methods

ToString()

Returns a string representation of the appointment.

```
public override string ToString()
```

Returns

[string](#)

A string describing the appointment details.

ValidateNotes(string)

Validates the notes string to ensure it does not exceed the maximum length.

```
public static string ValidateNotes(string notes)
```

Parameters

[notes](#) [string](#)

The notes string to validate.

Returns

[string](#)

The notes string if valid.

Exceptions

[ArgumentException](#)

Thrown if the notes length exceeds NOTES_MAX_LENGTH.

Class AuditAppointmentDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents an audit appointment data transfer object.

```
public class AuditAppointmentDTO
```

Inheritance

[object](#) ← AuditAppointmentDTO

Inherited Members

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

Properties

AppointmentId

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

Property Value

[int](#)

AuditDate

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

Property Value

[DateTime](#)

AuditId

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

Property Value

[int ↗](#)

DoctorName

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

Property Value

[string ↗](#)

NewStatus

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

Property Value

[string ↗](#)

PatientName

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

Property Value

[string ↗](#)

Enum DaysOfWeekEnum

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents the days of the week.

```
public enum DaysOfWeekEnum
```

Fields

FRIDAY = 4

MONDAY = 0

SATURDAY = 5

SUNDAY = 6

THURSDAY = 3

TUESDAY = 1

WEDNESDAY = 2

Class DoctorDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a doctor data transfer object.

```
public class DoctorDTO
```

Inheritance

[object](#) ← DoctorDTO

Inherited Members

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

Constructors

DoctorDTO()

Initializes a new instance of the DoctorDTO class.

```
public DoctorDTO()
```

DoctorDTO(string, string, string, DateTime, DateTime)

Initializes a new instance of the DoctorDTO class with specified parameters.

```
public DoctorDTO(string firstName, string lastName, string licenseNumber, DateTime  
createdAt, DateTime modifiedAt)
```

Parameters

firstName [string](#)

The first name of the doctor.

`lastName` [string](#)

The last name of the doctor.

`licenseNumber` [string](#)

The license number of the doctor.

`createdAt` [DateTime](#)

The creation date.

`modifiedAt` [DateTime](#)

The modification date.

Fields

`FIRSTNAME_MAX_LENGTH`

`public static int FIRSTNAME_MAX_LENGTH`

Field Value

[int](#)

`LASTNAME_MAX_LENGTH`

`public static int LASTNAME_MAX_LENGTH`

Field Value

[int](#)

`LICENSE_MAX_LENGTH`

`public static int LICENSE_MAX_LENGTH`

Field Value

[int](#)

Properties

Appointments

```
public ICollection<AppointmentDTO> Appointments { get; set; }
```

Property Value

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

CreatedAt

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

Property Value

[DateTime](#)

DoctorSchedules

```
public ICollection<DoctorScheduleDTO> DoctorSchedules { get; set; }
```

Property Value

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

FirstName

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

Property Value

[string](#) ↗

Id

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

Property Value

[int](#) ↗

LastName

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

Property Value

[string](#) ↗

LicenseNumber

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

Property Value

[string](#) ↗

ModifiedAt

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

Property Value

Specialties

```
public ICollection<SpecialtyDTO> Specialties { get; set; }
```

Property Value

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

Methods

ToString()

Returns a string representation of the doctor.

```
public override string ToString()
```

Returns

[string](#)

A string describing the doctor.

ValidateFirstName(string)

Validates the first name string.

```
public static string ValidateFirstName(string firstName)
```

Parameters

firstName [string](#)

The first name to validate.

Returns

[string](#)

The validated first name.

Exceptions

[ArgumentException](#)

Thrown if first name is null, empty, or exceeds max length.

ValidateLastName(string)

Validates the last name string.

```
public static string ValidateLastName(string lastName)
```

Parameters

[lastName](#) [string](#)

The last name to validate.

Returns

[string](#)

The validated last name.

Exceptions

[ArgumentException](#)

Thrown if last name is null, empty, or exceeds max length.

ValidateLicenseNumber(string)

Validates the license number string.

```
public static string ValidateLicenseNumber(string licenseNumber)
```

Parameters

licenseNumber [string](#) ↗

The license number to validate.

Returns

[string](#) ↗

The validated license number.

Exceptions

[ArgumentException](#) ↗

Thrown if license number is null, empty, or exceeds max length.

Class DoctorScheduleDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a doctor schedule data transfer object.

```
public class DoctorScheduleDTO
```

Inheritance

[object](#) ← DoctorScheduleDTO

Inherited Members

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

Constructors

DoctorScheduleDTO()

Initializes a new instance of the DoctorScheduleDTO class.

```
public DoctorScheduleDTO()
```

DoctorScheduleDTO(int, DaysOfWeekEnum, TimeSpan, TimeSpan, DateTime, DateTime)

Initializes a new instance of the DoctorScheduleDTO class with specified parameters including day of week.

```
public DoctorScheduleDTO(int doctorId, DaysOfWeekEnum dayOfWeek, TimeSpan workStartTime, TimeSpan workEndTime, DateTime createdAt, DateTime modifiedAt)
```

Parameters

`doctorId` [int](#)

The ID of the doctor.

`dayOfWeek` [DaysOfEnum](#)

The day of the week as an enum value.

`workStartTime` [TimeSpan](#)

The work start time.

`workEndTime` [TimeSpan](#)

The work end time.

`createdAt` [DateTime](#)

The creation date.

`modifiedAt` [DateTime](#)

The modification date.

DoctorScheduleDTO(int, TimeSpan, TimeSpan, DateTime, DateTime)

Initializes a new instance of the DoctorScheduleDTO class with specified parameters.

```
public DoctorScheduleDTO(int doctorId, TimeSpan workStartTime, TimeSpan workEndTime,
DateTime createdAt, DateTime modifiedAt)
```

Parameters

`doctorId` [int](#)

The ID of the doctor.

`workStartTime` [TimeSpan](#)

The work start time.

`workEndTime` [TimeSpan](#)

The work end time.

createdAt [DateTime](#)

The creation date.

modifiedAt [DateTime](#)

The modification date.

Fields

DAYOFWEEK_MAX_LENGTH

```
public static int DAYOFWEEK_MAX_LENGTH
```

Field Value

[int](#)

Properties

CreatedAt

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

Property Value

[DateTime](#)

DayOfWeek

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

Property Value

[string](#)

Doctor

```
public DoctorDTO Doctor { get; set; }
```

Property Value

[DoctorDTO](#)

DoctorId

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

Property Value

[int](#)

Id

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

Property Value

[int](#)

ModifiedAt

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

Property Value

[DateTime](#)

WorkEndTime

```
public TimeSpan WorkEndTime { get; set; }
```

Property Value

[TimeSpan](#)

WorkStartTime

```
public TimeSpan WorkStartTime { get; set; }
```

Property Value

[TimeSpan](#)

Methods

ValidateDayOfWeek(string)

Validates the day of the week string.

```
public static string ValidateDayOfWeek(string dayOfWeek)
```

Parameters

dayOfWeek [string](#)

The day of the week to validate.

Returns

[string](#)

The validated day of the week.

Exceptions

[ArgumentException](#)

Thrown if day of week is null, empty, or exceeds max length.

Class PatientDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a patient data transfer object.

```
public class PatientDTO
```

Inheritance

[object](#) ← PatientDTO

Inherited Members

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

Constructors

PatientDTO()

Initializes a new instance of the PatientDTO class.

```
public PatientDTO()
```

PatientDTO(string, string, string, DateTime, string, DateTime, DateTime)

Initializes a new instance of the PatientDTO class with specified parameters.

```
public PatientDTO(string firstName, string lastName, string insuranceNumber, DateTime dateOfBirth, string phoneNumber, DateTime createdAt, DateTime modifiedAt)
```

Parameters

firstName [string](#)

The first name of the patient.

lastName [string](#)

The last name of the patient.

insuranceNumber [string](#)

The insurance number of the patient.

dateOfBirth [DateTime](#)

The date of birth of the patient.

phoneNumber [string](#)

The phone number of the patient.

createdAt [DateTime](#)

The creation date.

modifiedAt [DateTime](#)

The modification date.

Fields

FIRSTNAME_MAX_LENGTH

`public static int FIRSTNAME_MAX_LENGTH`

Field Value

[int](#)

INSURANCE_MAX_LENGTH

`public static int INSURANCE_MAX_LENGTH`

Field Value

[int ↗](#)

LASTNAME_MAX_LENGTH

```
public static int LASTNAME_MAX_LENGTH
```

Field Value

[int ↗](#)

PHONE_MAX_LENGTH

```
public static int PHONE_MAX_LENGTH
```

Field Value

[int ↗](#)

Properties

Appointments

```
public ICollection<AppointmentDTO> Appointments { get; set; }
```

Property Value

[ICollection ↗ <AppointmentDTO>](#)

CreatedAt

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

Property Value

[DateTime](#)

DateOfBirth

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

Property Value

[DateTime](#)

FirstName

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

Property Value

[string](#)

Id

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

Property Value

[int](#)

InsuranceNumber

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

Property Value

[string](#)

LastName

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

Property Value

[string](#)

ModifiedAt

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

Property Value

[DateTime](#)

PhoneNumber

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

Property Value

[string](#)

Methods

ToString()

Returns a string representation of the patient.

```
public override string ToString()
```

Returns

[string](#)

A string describing the patient.

ValidateFirstName(string)

Validates the first name string.

```
public static string ValidateFirstName(string firstName)
```

Parameters

[firstName](#) [string](#)

The first name to validate.

Returns

[string](#)

The validated first name.

Exceptions

[ArgumentException](#)

Thrown if first name is null, empty, or exceeds max length.

ValidateInsuranceNumber(string)

Validates the insurance number string.

```
public static string ValidateInsuranceNumber(string insuranceNumber)
```

Parameters

[insuranceNumber](#) [string](#)

The insurance number to validate.

Returns

[string ↗](#)

The validated insurance number.

Exceptions

[ArgumentException ↗](#)

Thrown if insurance number is null, empty, or exceeds max length.

ValidateLastName(string)

Validates the last name string.

```
public static string ValidateLastName(string lastName)
```

Parameters

[lastName string ↗](#)

The last name to validate.

Returns

[string ↗](#)

The validated last name.

Exceptions

[ArgumentException ↗](#)

Thrown if last name is null, empty, or exceeds max length.

ValidatePhoneNumber(string)

Validates the phone number string.

```
public static string ValidatePhoneNumber(string phoneNumber)
```

Parameters

phoneNumber [string](#)

The phone number to validate.

Returns

[string](#)

The validated phone number.

Exceptions

[ArgumentException](#)

Thrown if phone number is null, empty, or exceeds max length.

Class RoleDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a role data transfer object.

```
public class RoleDTO
```

Inheritance

[object](#) ← RoleDTO

Inherited Members

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

Constructors

RoleDTO()

Initializes a new instance of the RoleDTO class.

```
public RoleDTO()
```

RoleDTO(int, string, DateTime, DateTime, ICollection<UserDTO>)

Initializes a new instance of the RoleDTO class with specified parameters including ID and users.

```
public RoleDTO(int id, string roleName, DateTime createdAt, DateTime modifiedAt,  
ICollection<UserDTO> users = null)
```

Parameters

id [int](#)

The ID of the role.

`roleName` [string](#)

The name of the role.

`createdAt` [DateTime](#)

The creation date.

`modifiedAt` [DateTime](#)

The modification date.

`users` [ICollection](#)<[UserDTO](#)>

The collection of users.

RoleDTO(string, DateTime, DateTime)

Initializes a new instance of the RoleDTO class with specified parameters.

```
public RoleDTO(string roleName, DateTime createdAt, DateTime modifiedAt)
```

Parameters

`roleName` [string](#)

The name of the role.

`createdAt` [DateTime](#)

The creation date.

`modifiedAt` [DateTime](#)

The modification date.

Fields

`ROLENAMES_MAXLENGTH`

```
public static int ROLENAME_MAXLENGTH
```

Field Value

[int ↗](#)

Properties

CreatedAt

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

Property Value

[DateTime ↗](#)

Id

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

Property Value

[int ↗](#)

ModifiedAt

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

Property Value

[DateTime ↗](#)

RoleName

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

Property Value

[string](#)

Users

```
public ICollection<UserDTO> Users { get; set; }
```

Property Value

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

Methods

ToString()

Returns a string representation of the role.

```
public override string ToString()
```

Returns

[string](#)

The role name.

ValidateRoleName(string)

Validates the role name string.

```
public static string ValidateRoleName(string roleName)
```

Parameters

`roleName` [string](#)

The role name to validate.

Returns

[string](#)

The validated role name.

Exceptions

[ArgumentException](#)

Thrown if role name is null, empty, or exceeds max length.

Class SpecialtyDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a specialty in the clinic.

```
public class SpecialtyDTO
```

Inheritance

[object](#) ← SpecialtyDTO

Inherited Members

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

Constructors

SpecialtyDTO()

Initializes a new instance of the SpecialtyDTO class.

```
public SpecialtyDTO()
```

SpecialtyDTO(string)

Initializes a new instance of the SpecialtyDTO class with specified name.

```
public SpecialtyDTO(string name)
```

Parameters

name [string](#)

The name of the specialty.

Fields

NAME_MAX_LENGTH

```
public static int NAME_MAX_LENGTH
```

Field Value

[int](#)

Properties

Doctors

Gets the collection of doctors associated with the specialty.

```
public ICollection<DoctorDTO> Doctors { get; set; }
```

Property Value

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

Id

Gets or sets the Id of the specialty.

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

Property Value

[int](#)

Name

Gets or sets the name of the specialty.

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

Property Value

[string](#)

Methods

ToString()

Returns a string representation of the specialty.

```
public override string ToString()
```

Returns

[string](#)

The name of the specialty.

ValidateName(string)

Validates the specialty name.

```
public static string ValidateName(string name)
```

Parameters

name [string](#)

The name to validate.

Returns

[string](#)

The validated name.

Exceptions

[ArgumentException](#)

Thrown if name is null, empty, or exceeds max length.

Class TimeSlotDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a time slot data transfer object.

```
public class TimeSlotDTO
```

Inheritance

[object](#) ← TimeSlotDTO

Inherited Members

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

Constructors

TimeSlotDTO()

Initializes a new instance of the TimeSlotDTO class.

```
public TimeSlotDTO()
```

TimeSlotDTO(int, int)

Initializes a new instance of the TimeSlotDTO class with specified parameters.

```
public TimeSlotDTO(int hourOfDay, int minuteOfHour)
```

Parameters

hourOfDay [int](#)

The hour of the day.

minuteOfHour [int](#)

The minute of the hour.

Properties

Appointments

```
public ICollection<AppointmentDTO> Appointments { get; set; }
```

Property Value

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

HourOfDay

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

Property Value

[int](#)

Id

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

Property Value

[int](#)

MinuteOfHour

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

Property Value

[int ↗](#)

Methods

ToString()

Returns a string representation of the time slot.

```
public override string ToString()
```

Returns

[string ↗](#)

A string in HH:MM format.

ValidateHourOfDay(int)

Validates the hour of the day.

```
public static int ValidateHourOfDay(int hourOfDay)
```

Parameters

hourOfDay [int ↗](#)

The hour to validate.

Returns

[int ↗](#)

The validated hour.

Exceptions

[ArgumentException ↗](#)

Thrown if hour is not between 0 and 23.

ValidateMinuteOfHour(int)

Validates the minute of the hour.

```
public static int ValidateMinuteOfHour(int minuteOfHour)
```

Parameters

minuteOfHour [int](#)

The minute to validate.

Returns

[int](#)

The validated minute.

Exceptions

[ArgumentException](#)

Thrown if minute is not between 0 and 59.

Class UserDTO

Namespace: [ClinicManagement_proj.BLL.DTO](#)

Assembly: ClinicManagement_proj.dll

Represents a user data transfer object.

```
public class UserDTO
```

Inheritance

[object](#) ← UserDTO

Inherited Members

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

Constructors

UserDTO()

Initializes a new instance of the UserDTO class.

```
public UserDTO()
```

Fields

PASSWORDHASH_MAX_LENGTH

```
public static int PASSWORDHASH_MAX_LENGTH
```

Field Value

[int](#)

PASSWORD_MAX_LENGTH

```
public static int PASSWORD_MAX_LENGTH
```

Field Value

[int↗](#)

USERNAME_MAX_LENGTH

```
public static int USERNAME_MAX_LENGTH
```

Field Value

[int↗](#)

Properties

CreatedAt

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

Property Value

[DateTime↗](#)

Id

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

Property Value

[int↗](#)

ModifiedAt

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

Property Value

[DateTime](#)

PasswordHash

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

Property Value

[string](#)

Roles

```
public ICollection<RoleDTO> Roles { get; set; }
```

Property Value

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

Username

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

Property Value

[string](#)

Methods

ToString()

Returns a string representation of the user.

```
public override string ToString()
```

Returns

[string](#)

A string describing the user.

ValidatePassword(string)

Validates the password string.

```
public static string ValidatePassword(string password)
```

Parameters

[password](#) [string](#)

The password to validate.

Returns

[string](#)

The validated password.

Exceptions

[ArgumentException](#)

Thrown if password does not meet requirements.

ValidatePasswordHash(string)

Validates the password hash string.

```
public static string ValidatePasswordHash(string passwordHash)
```

Parameters

passwordHash [string](#)

The password hash to validate.

Returns

[string](#)

The validated password hash.

Exceptions

[ArgumentException](#)

Thrown if password hash is null, empty, or exceeds max length.

ValidateUsername(string)

Validates the username string.

```
public static string ValidateUsername(string username)
```

Parameters

username [string](#)

The username to validate.

Returns

[string](#)

The validated username.

Exceptions

[ArgumentException](#)

Thrown if username is invalid.

Namespace ClinicManagement_proj.BLL. Services

Classes

[AppointmentService](#)

Provides services for managing appointments.

[DoctorScheduleService](#)

Provides services for managing doctor schedules.

[DoctorService](#)

Provides services for managing doctors in the clinic.

[NotificationService](#)

Service class to manage notifications.

[PatientService](#)

Service class for managing patients.

[UserService](#)

Provides services for managing users in the clinic.

[ViewsService](#)

Provides methods to retrieve various views related to patients and doctors.

Enums

[UserService.UserRoles](#)

Class AppointmentService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Provides services for managing appointments.

```
public class AppointmentService
```

Inheritance

[object](#) ← AppointmentService

Inherited Members

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

Constructors

AppointmentService(ClinicDbContext)

Initializes a new instance of the AppointmentService class.

```
public AppointmentService(ClinicDbContext dbContext)
```

Parameters

dbContext [ClinicDbContext](#)

The database context.

Methods

CreateAppointment(AppointmentDTO)

Creates a new appointment.

```
public AppointmentDTO CreateAppointment(AppointmentDTO appointment)
```

Parameters

appointment [AppointmentDTO](#)

The appointment to create.

Returns

[AppointmentDTO](#)

The created appointment.

DeleteAppointment(AppointmentDTO)

Deletes an appointment.

```
public void DeleteAppointment(AppointmentDTO appointment)
```

Parameters

appointment [AppointmentDTO](#)

The appointment to delete.

GetAllAppointments()

Gets all appointments.

```
public List<AppointmentDTO> GetAllAppointments()
```

Returns

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

A list of all appointments.

GetAvailableTimeSlots(int, DateTime)

Gets available time slots for a doctor on a specific date.

```
public List<TimeSlotDTO> GetAvailableTimeSlots(int doctorId, DateTime date)
```

Parameters

doctorId [int](#)

The ID of the doctor.

date [DateTime](#)

The date.

Returns

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

A list of available time slots.

GetTimeSlotById(int)

Gets a time slot by ID.

```
public TimeSlotDTO GetTimeSlotById(int id)
```

Parameters

id [int](#)

The ID of the time slot.

Returns

[TimeSlotDTO](#)

The time slot with the specified ID.

Search(DoctorDTO)

Searches appointments by doctor.

```
public List<AppointmentDTO> Search(DoctorDTO doctor)
```

Parameters

doctor [DoctorDTO](#)

The doctor to search for.

Returns

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

A list of appointments with the specified doctor.

Search(PatientDTO)

Searches appointments by patient.

```
public List<AppointmentDTO> Search(PatientDTO patient)
```

Parameters

patient [PatientDTO](#)

The patient to search for.

Returns

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

A list of appointments with the specified patient.

Search(DateTime)

Searches appointments by date.

```
public List<AppointmentDTO> Search(DateTime date)
```

Parameters

date [DateTime](#)

The date to search for.

Returns

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

A list of appointments on the specified date.

Search(int)

Searches appointments by ID.

```
public List<AppointmentDTO> Search(int id)
```

Parameters

id [int](#)

The ID to search for.

Returns

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

A list of appointments matching the ID.

UpdateAppointment(AppointmentDTO)

Updates an existing appointment.

```
public AppointmentDTO UpdateAppointment(AppointmentDTO appointment)
```

Parameters

appointment [AppointmentDTO](#)

The appointment to update.

Returns

[AppointmentDTO](#)

The updated appointment.

Class DoctorScheduleService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Provides services for managing doctor schedules.

```
public class DoctorScheduleService
```

Inheritance

[object](#) ← DoctorScheduleService

Inherited Members

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

Constructors

DoctorScheduleService(ClinicDbContext)

Initializes a new instance of the DoctorScheduleService class.

```
public DoctorScheduleService(ClinicDbContext dbContext)
```

Parameters

dbContext [ClinicDbContext](#)

The database context.

Methods

CreateSchedule(DoctorScheduleDTO)

Creates a new doctor schedule.

```
public DoctorScheduleDTO CreateSchedule(DoctorScheduleDTO scheduleDto)
```

Parameters

scheduleDto [DoctorScheduleDTO](#)

The schedule to create.

Returns

[DoctorScheduleDTO](#)

The created schedule.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

DeleteSchedule(DoctorScheduleDTO)

Deletes a doctor schedule.

```
public void DeleteSchedule(DoctorScheduleDTO scheduleDto)
```

Parameters

scheduleDto [DoctorScheduleDTO](#)

The schedule to delete.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

DeleteSchedule(int)

Deletes a doctor schedule by ID.

```
public void DeleteSchedule(int id)
```

Parameters

[id int](#)

The ID of the schedule to delete.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

[ArgumentException](#)

Thrown if the schedule is not found.

GetAllSchedules()

Gets all doctor schedules.

```
public List<DoctorScheduleDTO> GetAllSchedules()
```

Returns

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

A list of all schedules.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user does not have access.

Search(int)

Searches for a doctor schedule by ID.

```
public DoctorScheduleDTO Search(int id)
```

Parameters

[id int](#)

The ID of the schedule.

Returns

[DoctorScheduleDTO](#)

The schedule with the specified ID.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user does not have access.

[ArgumentException](#)

Thrown if the schedule is not found.

Search(string)

Searches for a doctor schedule by day of the week.

```
public DoctorScheduleDTO Search(string dayOfWeek)
```

Parameters

[dayOfWeek string](#)

The day of the week.

Returns

[DoctorScheduleDTO](#)

The schedule for the specified day.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user does not have access.

[ArgumentException](#)

Thrown if the schedule is not found.

UpdateSchedule(DoctorScheduleDTO)

Updates an existing doctor schedule.

```
public DoctorScheduleDTO UpdateSchedule(DoctorScheduleDTO scheduleDto)
```

Parameters

`scheduleDto` [DoctorScheduleDTO](#)

The schedule to update.

Returns

[DoctorScheduleDTO](#)

The updated schedule.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

Class DoctorService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Provides services for managing doctors in the clinic.

```
public class DoctorService
```

Inheritance

[object](#) ← DoctorService

Inherited Members

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

Constructors

DoctorService(ClinicDbContext)

Initializes a new instance of the DoctorService class.

```
public DoctorService(ClinicDbContext dbContext)
```

Parameters

dbContext [ClinicDbContext](#)

The database context.

Methods

CreateDoctor(DoctorDTO)

Creates a new doctor.

```
public DoctorDTO CreateDoctor(DoctorDTO doctorDto)
```

Parameters

doctorDto [DoctorDTO](#)

The doctor to create.

Returns

[DoctorDTO](#)

The created doctor.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

DeleteDoctor(DoctorDTO)

Deletes a doctor.

```
public void DeleteDoctor(DoctorDTO doctorDto)
```

Parameters

doctorDto [DoctorDTO](#)

The doctor to delete.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

DeleteDoctor(int)

Deletes a doctor by ID.

```
public void DeleteDoctor(int id)
```

Parameters

id int

The ID of the doctor to delete.

Exceptions

UnauthorizedAccessException

Thrown if the current user is not an administrator.

ArgumentException

Thrown if the doctor is not found.

GetAllDoctors()

Gets all doctors.

```
public List<DoctorDTO> GetAllDoctors()
```

Returns

List<DoctorDTO>

A list of all doctors.

GetAllSpecialties()

Gets all specialties.

```
public List<SpecialtyDTO> GetAllSpecialties()
```

Returns

[List ↗ <SpecialtyDTO>](#)

A list of all specialties.

Search(int)

Searches doctors by ID.

```
public List<DoctorDTO> Search(int id)
```

Parameters

id [int ↗](#)

The ID to search for.

Returns

[List ↗ <DoctorDTO>](#)

A list of doctors matching the ID.

Search(string)

Searches doctors by name.

```
public List<DoctorDTO> Search(string name)
```

Parameters

name [string ↗](#)

The name to search for.

Returns

[List ↗ <DoctorDTO>](#)

A list of doctors matching the name.

SearchByLicense(string)

Searches doctors by license number.

```
public List<DoctorDTO> SearchByLicense(string license)
```

Parameters

license [string](#)

The license number to search for.

Returns

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

A list of doctors matching the license.

UpdateDoctor(DoctorDTO)

Updates an existing doctor.

```
public DoctorDTO UpdateDoctor(DoctorDTO doctorDto)
```

Parameters

doctorDto [DoctorDTO](#)

The doctor to update.

Returns

[DoctorDTO](#)

The updated doctor.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

Class NotificationService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Service class to manage notifications.

```
public class NotificationService
```

Inheritance

[object](#) ← NotificationService

Inherited Members

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

Constructors

NotificationService(ClinicDbContext)

Initializes a new instance of the NotificationService class.

```
public NotificationService(ClinicDbContext dbContext)
```

Parameters

dbContext [ClinicDbContext](#)

The database context.

Methods

AddNotification(string, NotificationType)

Adds a new notification.

```
public void AddNotification(string message, NotificationType type)
```

Parameters

message [string](#)

The notification message.

type [NotificationType](#)

The type of notification.

GetActiveNotifications()

Gets the active notifications.

```
public List<Notification> GetActiveNotifications()
```

Returns

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

A list of active notifications.

GetAuditNotifications()

Gets the audit notifications.

```
public List<AuditAppointmentDTO> GetAuditNotifications()
```

Returns

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

A list of audit appointment notifications.

Events

NotificationAdded

Event raised when a notification is added.

```
public event Action<Notification> NotificationAdded
```

Event Type

[Action](#) <[Notification](#)>

Class PatientService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Service class for managing patients.

```
public class PatientService
```

Inheritance

[object](#) ← PatientService

Inherited Members

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

Constructors

PatientService(ClinicDbContext)

Initializes a new instance of the PatientService class.

```
public PatientService(ClinicDbContext dbContext)
```

Parameters

dbContext [ClinicDbContext](#)

The database context.

Methods

AddPatient(PatientDTO)

Adds a new patient.

```
public PatientDTO AddPatient(PatientDTO dto)
```

Parameters

dto [PatientDTO](#)

The patient to add.

Returns

[PatientDTO](#)

The added patient.

Exists(int)

Checks if a patient exists by ID.

```
public bool Exists(int id)
```

Parameters

id [int](#)

The ID of the patient.

Returns

[bool](#)

True if the patient exists, otherwise false.

GetAllPatients()

Gets all patients.

```
public List<PatientDTO> GetAllPatients()
```

Returns

[List ↗ <PatientDTO>](#)

A list of all patients.

GetPatientById(int)

Gets a patient by ID.

```
public PatientDTO GetPatientById(int id)
```

Parameters

id [int ↗](#)

The ID of the patient.

Returns

[PatientDTO](#)

The patient with the specified ID.

Search(int)

Searches patients by ID.

```
public List<PatientDTO> Search(int id)
```

Parameters

id [int ↗](#)

The ID to search for.

Returns

[List ↗ <PatientDTO>](#)

A list of patients matching the ID.

Search(string)

Searches patients by name.

```
public List<PatientDTO> Search(string name)
```

Parameters

name [string](#)

The name to search for.

Returns

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

A list of patients matching the name.

UpdatePatient(PatientDTO)

Updates an existing patient.

```
public PatientDTO UpdatePatient(PatientDTO patientDto)
```

Parameters

patientDto [PatientDTO](#)

The patient to update.

Returns

[PatientDTO](#)

The updated patient.

Class UserService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Provides services for managing users in the clinic.

```
public class UserService
```

Inheritance

[object](#) ← UserService

Inherited Members

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

Constructors

UserService(ClinicDbContext)

Initializes a new instance of the UserService class.

```
public UserService(ClinicDbContext dbContext)
```

Parameters

dbContext [ClinicDbContext](#)

The database context.

Methods

Authenticate(string, string)

Authenticates a user with username and password.

```
public UserDTO Authenticate(string username, string password)
```

Parameters

username [string](#)

The username.

password [string](#)

The password.

Returns

[UserDTO](#)

The authenticated user or null.

ComparePassword(string, string)

Compares a plain password with a stored hash.

```
public static bool ComparePassword(string plainPassword, string storedHash)
```

Parameters

plainPassword [string](#)

The plain password.

storedHash [string](#)

The stored hash.

Returns

[bool](#)

True if passwords match, otherwise false.

CreateUser(UserDTO, string)

Creates a new user.

```
public void CreateUser(UserDTO user, string password)
```

Parameters

user [UserDTO](#)

The user to create.

password [string](#)

The password for the user.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

[ArgumentException](#)

Thrown if the username already exists.

DeleteUser(UserDTO)

Deletes a user.

```
public void DeleteUser(UserDTO user)
```

Parameters

user [UserDTO](#)

The user to delete.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

DeleteUser(int)

Deletes a user by ID.

```
public void DeleteUser(int id)
```

Parameters

`id int`

The ID of the user to delete.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

[ArgumentException](#)

Thrown if the user is not found.

GetAllRoles()

Gets all roles.

```
public List<RoleDTO> GetAllRoles()
```

Returns

[List <RoleDTO>](#)

A list of all roles.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

GetAllUsers()

Gets all users.

```
public List<UserDTO> GetAllUsers()
```

Returns

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

A list of all users.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

GetUserByUsername(string)

Gets a user by username.

```
public UserDTO GetUserByUsername(string username)
```

Parameters

`username` [string](#)

The username.

Returns

[UserDTO](#)

The user with the specified username.

Exceptions

[ArgumentException](#)

Thrown if the user is not found.

Search(int)

Searches users by ID.

```
public List<UserDTO> Search(int id)
```

Parameters

`id int`

The ID to search for.

Returns

`List<UserDTO>`

A list of users matching the ID.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

Search(string)

Searches users by username.

```
public List<UserDTO> Search(string username)
```

Parameters

`username string`

The username to search for.

Returns

[List](#) <UserDTO>

A list of users matching the username.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

UpdateUser(UserDTO, string)

Updates an existing user.

```
public UserDTO UpdateUser(UserDTO user, string password = null)
```

Parameters

user [UserDTO](#)

The user to update.

password [string](#)

The new password, optional.

Returns

[UserDTO](#)

The updated user.

Exceptions

[UnauthorizedAccessException](#)

Thrown if the current user is not an administrator.

Enum UserService.UserRoles

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

```
public enum UserService.UserRoles
```

Fields

Administrator = 0

Doctor = 1

Receptionist = 2

Class ViewsService

Namespace: [ClinicManagement_proj.BLL.Services](#)

Assembly: ClinicManagement_proj.dll

Provides methods to retrieve various views related to patients and doctors.

```
public class ViewsService
```

Inheritance

[object](#) ← ViewsService

Inherited Members

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

Constructors

ViewsService(ClinicDbContext)

Initializes a new instance of the ViewsService class.

```
public ViewsService(ClinicDbContext context)
```

Parameters

context [ClinicDbContext](#)

The database context.

Methods

GetDoctorTodaySchedule(int?)

Gets the doctor's schedule for today.

```
public List<vw_DoctorTodaySchedule> GetDoctorTodaySchedule(int? doctorId = null)
```

Parameters

doctorId [int?](#)

Optional doctor ID to filter.

Returns

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

A list of today's schedules.

GetPatientClinicalSummary(int?)

Gets the patient clinical summary.

```
public List<vw_PatientClinicalSummary> GetPatientClinicalSummary(int? patientId = null)
```

Parameters

patientId [int?](#)

Optional patient ID to filter.

Returns

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

A list of patient clinical summaries.

GetPatientRecordsSummary(int?)

Gets the patient records summary.

```
public List<vw_PatientRecordsSummary> GetPatientRecordsSummary(int? patientId = null)
```

Parameters

patientId [int](#)?

Optional patient ID to filter.

Returns

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

A list of patient records summaries.

GetUpcomingAppointments(int?)

Gets the upcoming appointments.

```
public List<vw_UpcomingAppointments> GetUpcomingAppointments(int? doctorId = null)
```

Parameters

doctorId [int](#)?

Optional doctor ID to filter.

Returns

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

A list of upcoming appointments.

Namespace ClinicManagement_proj.BLL.Utils

Classes

[Notification](#)

Represents a notification in the system.

Enums

[NotificationType](#)

Class Notification

Namespace: [ClinicManagement_proj.BLL.Utils](#)

Assembly: ClinicManagement_proj.dll

Represents a notification in the system.

```
public class Notification
```

Inheritance

[object](#) ← Notification

Inherited Members

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

Constructors

Notification(string, NotificationType)

Initializes a new instance of the [Notification](#) class.

```
public Notification(string message, NotificationType type)
```

Parameters

message [string](#)

The message of the notification.

type [NotificationType](#)

The type of the notification.

Properties

Message

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

Property Value

[string](#) ↗

Timestamp

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

Property Value

[DateTime](#) ↗

Type

```
public NotificationType Type { get; set; }
```

Property Value

[NotificationType](#)

Enum NotificationType

Namespace: [ClinicManagement_proj.BLL.Utils](#)

Assembly: ClinicManagement_proj.dll

```
public enum NotificationType
```

Fields

Error = 2

Info = 0

Warning = 1

Namespace ClinicManagement_proj.DAL

Classes

[Appointment](#)

[Audit_Appointment](#)

[ClinicDbContext](#)

Represents the database context for the clinic management application.

[Doctor](#)

[DoctorSchedule](#)

[HealthCareClinicDB_T2Entities](#)

[Patient](#)

[Role](#)

[Specialty](#)

[TimeSlot](#)

[User](#)

[sp_GetAvailableSlots_Result](#)

[vw_DoctorTodaySchedule](#)

[vw_PatientClinicalSummary](#)

[vw_PatientRecordsSummary](#)

[vw_UpcomingAppointments](#)

Class Appointment

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class Appointment
```

Inheritance

[object](#) ← Appointment

Inherited Members

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

Properties

CreatedAt

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

Property Value

[DateTime](#)

Date

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

Property Value

[DateTime](#)

Doctor

```
public virtual Doctor Doctor { get; set; }
```

Property Value

[Doctor](#)

DoctorId

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

Property Value

[int](#)

Id

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

Property Value

[int](#)

ModifiedAt

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

Property Value

[DateTime](#)

Notes

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

Property Value

[string](#) ↗

Patient

```
public virtual Patient Patient { get; set; }
```

Property Value

[Patient](#)

PatientId

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

Property Value

[int](#) ↗

Status

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

Property Value

[string](#) ↗

TimeSlot

```
public virtual TimeSlot TimeSlot { get; set; }
```

Property Value

[TimeSlot](#)

TimeSlotId

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

Property Value

[int](#)

Class Audit_Appointment

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class Audit_Appointment
```

Inheritance

[object](#) ← Audit_Appointment

Inherited Members

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

Properties

AppointmentId

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

Property Value

[int](#)

AuditDate

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

Property Value

[DateTime](#)

AuditId

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

Property Value

[int ↗](#)

DoctorName

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

Property Value

[string ↗](#)

NewStatus

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

Property Value

[string ↗](#)

PatientName

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

Property Value

[string ↗](#)

Class ClinicDbContext

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

Represents the database context for the clinic management application.

```
public class ClinicDbContext : DbContext, IDisposable, IObjectContextAdapter
```

Inheritance

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

Implements

[IDisposable](#), [IObjectContextAdapter](#)

Inherited Members

[DbContext.Set< TEntity >\(\)](#), [DbContext.Set\(Type\)](#), [DbContext.SaveChangesAsync\(\)](#),
[DbContext.SaveChangesAsync\(CancellationToken\)](#), [DbContext.GetValidationErrors\(\)](#),
[DbContext.ShouldValidateEntity\(DbEntityEntry\)](#),
[DbContext.ValidateEntity\(DbEntityEntry, IDictionary< object, object >\)](#),
[DbContext.Entry< TEntity >\(TEntity\)](#), [DbContext.Entry\(object\)](#), [DbContext.Dispose\(\)](#),
[DbContext.Dispose\(bool\)](#), [DbContext.Database](#), [DbContext.ChangeTracker](#),
[DbContext.Configuration](#), [object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),
[object.MemberwiseClone\(\)](#)

Constructors

ClinicDbContext()

```
public ClinicDbContext()
```

Properties

Appointments

```
public DbSet<AppointmentDTO> Appointments { get; set; }
```

Property Value

[DbSet](#) <AppointmentDTO>

AuditAppointments

```
public DbSet<AuditAppointmentDTO> AuditAppointments { get; set; }
```

Property Value

[DbSet](#) <AuditAppointmentDTO>

DoctorSchedules

```
public DbSet<DoctorScheduleDTO> DoctorSchedules { get; set; }
```

Property Value

[DbSet](#) <DoctorScheduleDTO>

Doctors

```
public DbSet<DoctorDTO> Doctors { get; set; }
```

Property Value

[DbSet](#) <DoctorDTO>

Patients

```
public DbSet<PatientDTO> Patients { get; set; }
```

Property Value

[DbSet](#) <PatientDTO>

Roles

```
public DbSet<RoleDTO> Roles { get; set; }
```

Property Value

[DbSet](#) <RoleDTO>

Specialties

```
public DbSet<SpecialtyDTO> Specialties { get; set; }
```

Property Value

[DbSet](#) <SpecialtyDTO>

TimeSlots

```
public DbSet<TimeSlotDTO> TimeSlots { get; set; }
```

Property Value

[DbSet](#) <TimeSlotDTO>

Users

```
public DbSet<UserDTO> Users { get; set; }
```

Property Value

[DbSet](#) <UserDTO>

vw_DoctorTodaySchedule

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

Property Value

[DbSet](#) <vw_DoctorTodaySchedule>

vw_PatientClinicalSummary

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

Property Value

[DbSet](#) <vw_PatientClinicalSummary>

vw_PatientRecordsSummary

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

Property Value

[DbSet](#) <vw_PatientRecordsSummary>

vw_UpcomingAppointments

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

Property Value

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

Methods

OnModelCreating(DbModelBuilder)

This method is called when the model for a derived context has been initialized, but before the model has been locked down and used to initialize the context. The default implementation of this method does nothing, but it can be overridden in a derived class such that the model can be further configured before it is locked down.

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

Parameters

[modelBuilder](#) [DbModelBuilder](#)

The builder that defines the model for the context being created.

Remarks

Typically, this method is called only once when the first instance of a derived context is created. The model for that context is then cached and is for all further instances of the context in the app domain. This caching can be disabled by setting the ModelCaching property on the given ModelBuilder, but note that this can seriously degrade performance. More control over caching is provided through use of the DbModelBuilder and DbContextFactory classes directly.

SaveChanges()

Saves all changes made in this context to the underlying database.

```
public override int SaveChanges()
```

Returns

[int](#)

The number of state entries written to the underlying database. This can include state entries for entities and/or relationships. Relationship state entries are created for many-to-many relationships and relationships where there is no foreign key property included in the entity class (often referred to as independent associations).

Exceptions

[DbUpdateException](#)

An error occurred sending updates to the database.

[DbUpdateConcurrencyException](#)

A database command did not affect the expected number of rows. This usually indicates an optimistic concurrency violation; that is, a row has been changed in the database since it was queried.

[DbEntityValidationException](#)

The save was aborted because validation of entity property values failed.

[NotSupportedException](#)

An attempt was made to use unsupported behavior such as executing multiple asynchronous commands concurrently on the same context instance.

[ObjectDisposedException](#)

The context or connection have been disposed.

[InvalidOperationException](#)

Some error occurred attempting to process entities in the context either before or after sending commands to the database.

Class Doctor

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class Doctor
```

Inheritance

[object](#) ← Doctor

Inherited Members

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

Constructors

Doctor()

```
[SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
public Doctor()
```

Properties

Appointments

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<Appointment> Appointments { get; set; }
```

Property Value

[ICollection](#)<Appointment>

CreatedAt

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

Property Value

[DateTime](#)

DoctorSchedules

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<DoctorSchedule> DoctorSchedules { get; set; }
```

Property Value

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

FirstName

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

Property Value

[string](#)

Id

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

Property Value

[int](#)

LastName

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

Property Value

[string](#)

LicenseNumber

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

Property Value

[string](#)

ModifiedAt

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

Property Value

[DateTime](#)

Specialties

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<Specialty> Specialties { get; set; }
```

Property Value

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

Class DoctorSchedule

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class DoctorSchedule
```

Inheritance

[object](#) ← DoctorSchedule

Inherited Members

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

Properties

CreatedAt

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

Property Value

[DateTime](#)

DayOfWeek

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

Property Value

[string](#)

Doctor

```
public virtual Doctor Doctor { get; set; }
```

Property Value

[Doctor](#)

DoctorId

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

Property Value

[int](#)

Id

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

Property Value

[int](#)

ModifiedAt

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

Property Value

[DateTime](#)

WorkEndTime

```
public TimeSpan WorkEndTime { get; set; }
```

Property Value

[TimeSpan](#)

WorkStartTime

```
public TimeSpan WorkStartTime { get; set; }
```

Property Value

[TimeSpan](#)

Class HealthCareClinicDB_T2Entities

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class HealthCareClinicDB_T2Entities : DbContext, IDisposable, IObjectContextAdapter
```

Inheritance

[object](#) ← [DbContext](#) ← HealthCareClinicDB_T2Entities

Implements

[IDisposable](#), [IObjectContextAdapter](#)

Inherited Members

[DbContext.Set< TEntity >\(\)](#), [DbContext.Set\(Type\)](#), [DbContext.SaveChanges\(\)](#),
[DbContext.SaveChangesAsync\(\)](#), [DbContext.SaveChangesAsync\(CancellationToken\)](#),
[DbContext.GetValidationErrors\(\)](#), [DbContext.ShouldValidateEntity\(DbEntityEntry\)](#),
[DbContext.ValidateEntity\(DbEntityEntry, IDictionary< object, object >\)](#),
[DbContext.Entry< TEntity >\(TEntity\)](#), [DbContext.Entry\(object\)](#), [DbContext.Dispose\(\)](#),
[DbContext.Dispose\(bool\)](#), [DbContext.Database](#), [DbContext.ChangeTracker](#),
[DbContext.Configuration](#), [object.ToString\(\)](#), [object.Equals\(object\)](#), [object.Equals\(object, object\)](#),
[object.ReferenceEquals\(object, object\)](#), [object.GetHashCode\(\)](#), [object.GetType\(\)](#),
[object.MemberwiseClone\(\)](#)

Constructors

HealthCareClinicDB_T2Entities()

```
public HealthCareClinicDB_T2Entities()
```

Properties

Appointments

```
public virtual DbSet<Appointment> Appointments { get; set; }
```

Property Value

[DbSet<Appointment>](#)

Audit_Appointment

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

Property Value

[DbSet<Audit_Appointment>](#)

DoctorSchedules

```
public virtual DbSet<DoctorSchedule> DoctorSchedules { get; set; }
```

Property Value

[DbSet<DoctorSchedule>](#)

Doctors

```
public virtual DbSet<Doctor> Doctors { get; set; }
```

Property Value

[DbSet<Doctor>](#)

Patients

```
public virtual DbSet<Patient> Patients { get; set; }
```

Property Value

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

Roles

```
public virtual DbSet<Role> Roles { get; set; }
```

Property Value

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

Specialties

```
public virtual DbSet<Specialty> Specialties { get; set; }
```

Property Value

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

TimeSlots

```
public virtual DbSet<TimeSlot> TimeSlots { get; set; }
```

Property Value

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

Users

```
public virtual DbSet<User> Users { get; set; }
```

Property Value

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

vw_DoctorTodaySchedule

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

Property Value

[DbSet](#) <vw_DoctorTodaySchedule>

vw_PatientClinicalSummary

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

Property Value

[DbSet](#) <vw_PatientClinicalSummary>

vw_PatientRecordsSummary

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

Property Value

[DbSet](#) <vw_PatientRecordsSummary>

vw_UpcomingAppointments

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

Property Value

[DbSet](#) <vw_UpcomingAppointments>

Methods

OnModelCreating(DbModelBuilder)

This method is called when the model for a derived context has been initialized, but before the model has been locked down and used to initialize the context. The default implementation of this method does nothing, but it can be overridden in a derived class such that the model can be further configured before it is locked down.

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

Parameters

modelBuilder [DbModelBuilder](#)

The builder that defines the model for the context being created.

Remarks

Typically, this method is called only once when the first instance of a derived context is created. The model for that context is then cached and is for all further instances of the context in the app domain. This caching can be disabled by setting the ModelCaching property on the given ModelBuilder, but note that this can seriously degrade performance. More control over caching is provided through use of the DbModelBuilder and DbContextFactory classes directly.

sp_GetAvailableSlots(int?, DateTime?)

```
public virtual ObjectResult<sp_GetAvailableSlots_Result> sp_GetAvailableSlots(int? doctorId,  
DateTime? date)
```

Parameters

doctorId [int](#)?

date [DateTime](#)?

Returns

[ObjectResult](#) <[sp_GetAvailableSlots_Result](#)>

Class Patient

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class Patient
```

Inheritance

[object](#) ← Patient

Inherited Members

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

Constructors

Patient()

```
[SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
public Patient()
```

Properties

Appointments

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<Appointment> Appointments { get; set; }
```

Property Value

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

CreatedAt

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

Property Value

[DateTime ↗](#)

DateOfBirth

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

Property Value

[DateTime ↗](#)

FirstName

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

Property Value

[string ↗](#)

Id

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

Property Value

[int ↗](#)

InsuranceNumber

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

Property Value

[string](#)

LastName

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

Property Value

[string](#)

ModifiedAt

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

Property Value

[DateTime](#)

PhoneNumber

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

Property Value

[string](#)

Class Role

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class Role
```

Inheritance

[object](#) ← Role

Inherited Members

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

Constructors

Role()

```
[SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
public Role()
```

Properties

CreatedAt

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

Property Value

[DateTime](#)

Id

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

Property Value

[int ↗](#)

ModifiedAt

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

Property Value

[DateTime ↗](#)

RoleName

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

Property Value

[string ↗](#)

Users

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<User> Users { get; set; }
```

Property Value

[ICollection<User> ↗](#)

Class Specialty

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class Specialty
```

Inheritance

[object](#) ← Specialty

Inherited Members

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

Constructors

Specialty()

```
[SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
public Specialty()
```

Properties

Doctors

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<Doctor> Doctors { get; set; }
```

Property Value

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

Id

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

Property Value

[int ↗](#)

Name

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

Property Value

[string ↗](#)

Class TimeSlot

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class TimeSlot
```

Inheritance

[object](#) ← TimeSlot

Inherited Members

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

Constructors

TimeSlot()

```
[SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
public TimeSlot()
```

Properties

Appointments

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<Appointment> Appointments { get; set; }
```

Property Value

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

HourOfDay

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

Property Value

[int ↗](#)

Id

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

Property Value

[int ↗](#)

MinuteOfHour

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

Property Value

[int ↗](#)

Class User

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class User
```

Inheritance

[object](#) ← User

Inherited Members

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

Constructors

User()

```
[SuppressMessage("Microsoft.Usage", "CA2214:DoNotCallOverridableMethodsInConstructors")]
public User()
```

Properties

CreatedAt

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

Property Value

[DateTime](#)

Id

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

Property Value

[int ↗](#)

ModifiedAt

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

Property Value

[DateTime ↗](#)

PasswordHash

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

Property Value

[string ↗](#)

Roles

```
[SuppressMessage("Microsoft.Usage", "CA2227:CollectionPropertiesShouldBeReadOnly")]
public virtual ICollection<Role> Roles { get; set; }
```

Property Value

[ICollection<Role> ↗](#)

Username

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

Property Value

[string](#) ↗

Class sp_GetAvailableSlots_Result

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class sp_GetAvailableSlots_Result
```

Inheritance

[object](#) ← sp_GetAvailableSlots_Result

Inherited Members

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

Properties

DayOfWeek

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

Property Value

[string](#)

DoctorId

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

Property Value

[int](#)

DoctorName

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

Property Value

[string](#) ↗

HourOfDay

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

Property Value

[int](#) ↗

MinuteOfHour

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

Property Value

[int](#) ↗

RequestedDate

```
public DateTime? RequestedDate { get; set; }
```

Property Value

[DateTime](#) ↗?

Specialization

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

Property Value

[string ↗](#)

TimeSlotId

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

Property Value

[int ↗](#)

Class vw_DoctorTodaySchedule

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class vw_DoctorTodaySchedule
```

Inheritance

[object](#) ← vw_DoctorTodaySchedule

Inherited Members

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

Properties

AppointmentDate

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

Property Value

[DateTime](#)

AppointmentId

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

Property Value

[int](#)

AppointmentTime

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

Property Value

[string](#)

DateOfBirth

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

Property Value

[DateTime](#)

DoctorId

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

Property Value

[int](#)

DoctorName

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

Property Value

[string](#)

HourOfDay

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

Property Value

[int ↗](#)

MinuteOfHour

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

Property Value

[int ↗](#)

Notes

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

Property Value

[string ↗](#)

PatientAge

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

Property Value

[int ↗?](#)

PatientId

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

Property Value

[int ↗](#)

PatientName

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

Property Value

[string ↗](#)

PatientPhone

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

Property Value

[string ↗](#)

Specialization

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

Property Value

[string ↗](#)

Status

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

Property Value

[string](#) ↗

Class vw_PatientClinicalSummary

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class vw_PatientClinicalSummary
```

Inheritance

[object](#) ← vw_PatientClinicalSummary

Inherited Members

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

Properties

Age

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

Property Value

[int](#)?

CancelledVisits

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

Property Value

[int](#)?

CompletedVisits

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

Property Value

[int](#)?

DateOfBirth

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

Property Value

[DateTime](#)

InsuranceNumber

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

Property Value

[string](#)

LastSeenDoctor

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

Property Value

[string](#)

LastVisitDate

```
public DateTime? LastVisitDate { get; set; }
```

Property Value

[DateTime](#)?

NextAppointmentDate

```
public DateTime? NextAppointmentDate { get; set; }
```

Property Value

[DateTime](#)?

PatientId

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

Property Value

[int](#)

PatientName

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

Property Value

[string](#)

PhoneNumber

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

Property Value

[string](#) ↗

Class vw_PatientRecordsSummary

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class vw_PatientRecordsSummary
```

Inheritance

[object](#) ← vw_PatientRecordsSummary

Inherited Members

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

Properties

Age

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

Property Value

[int](#)?

AppointmentId

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

Property Value

[int](#)?

ClinicalNotes

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

Property Value

[string](#) ↗

DateOfBirth

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

Property Value

[DateTime](#) ↗

DaysSinceVisit

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

Property Value

[int](#) ↗?

DoctorName

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

Property Value

[string](#) ↗

InsuranceNumber

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

Property Value

[string](#)

PatientId

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

Property Value

[int](#)

PatientName

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

Property Value

[string](#)

PhoneNumber

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

Property Value

[string](#)

Specialization

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

Property Value

[string](#) ↗

VisitDate

```
public DateTime? VisitDate { get; set; }
```

Property Value

[DateTime](#) ↗?

VisitNumber

```
public long? VisitNumber { get; set; }
```

Property Value

[long](#) ↗?

VisitStatus

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

Property Value

[string](#) ↗

Class vw_UpcomingAppointments

Namespace: [ClinicManagement_proj.DAL](#)

Assembly: ClinicManagement_proj.dll

```
public class vw_UpcomingAppointments
```

Inheritance

[object](#) ← vw_UpcomingAppointments

Inherited Members

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

Properties

AppointmentDate

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

Property Value

[DateTime](#)

AppointmentId

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

Property Value

[int](#)

AppointmentTime

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

Property Value

[string](#)

DateOfBirth

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

Property Value

[DateTime](#)

DayOfWeek

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

Property Value

[string](#)

DaysUntil

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

Property Value

[string](#)

DoctorId

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

Property Value

[int ↗](#)

DoctorName

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

Property Value

[string ↗](#)

HourOfDay

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

Property Value

[int ↗](#)

MinuteOfHour

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

Property Value

[int ↗](#)

Notes

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

Property Value

[string](#)

PatientId

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

Property Value

[int](#)

PatientName

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

Property Value

[string](#)

PatientPhone

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

Property Value

[string](#)

Specialization

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

Property Value

string ↗

Status

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

Property Value

string ↗

Namespace ClinicManagement_proj.UI

Classes

[AdminDashboard](#)

Represents the main dashboard for administrators.

[ApptMgmtController](#)

Controller for the Appointment Management panel

[DoctorDashboard](#)

Represents the dashboard for doctors.

[DoctorManagementController](#)

Controller for the Doctor Management panel

[ImageHelper](#)

Helper class for image operations with caching to improve performance

[LoginForm](#)

Represents the login form for the application.

[NavigationManager](#)

Manages navigation between different panels in the dashboard

[NotificationsController](#)

Controller for the Notifications panel

[PatientRegistrationController](#)

Controller for the Patient Registration panel

[ReceptionistDashboard](#)

Represents the dashboard for receptionists.

[ReportsController](#)

Controller for the Reports panel

[SchedulingController](#)

Controller for the Doctor Scheduling panel

[UserManagementController](#)

Controller for the User Management panel

Interfaces

[IPanelController](#)

Interface for dashboard panel controllers to enforce consistent behavior

Class AdminDashboard

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Represents the main dashboard for administrators.

```
public class AdminDashboard : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable, IContainerControl
```

Inheritance

```
object ↳ ← MarshalByRefObject ↳ ← Component ↳ ← Control ↳ ← ScrollableControl ↳ ←  
ContainerControl ↳ ← Form ↳ ← AdminDashboard
```

Implements

```
IDropTarget ↳ , ISynchronizeInvoke ↳ , IWin32Window ↳ , IBindableComponent ↳ , IComponent ↳ ,  
IDisposable ↳ , IContainerControl ↳
```

Inherited Members

```
Form.SetVisibleCore(bool) ↳ , Form.Activate() ↳ , Form.ActivateMdiChild(Form) ↳ ,  
Form.AddOwnedForm(Form) ↳ , Form.AdjustFormScrollbars(bool) ↳ , Form.Close() ↳ ,  
Form.CreateControlsInstance() ↳ , Form.CreateHandle() ↳ , Form.DefWndProc(ref Message) ↳ ,  
Form.ProcessMnemonic(char) ↳ , Form.CenterToParent() ↳ , Form.CenterToScreen() ↳ ,  
Form.LayoutMdi(MdiLayout) ↳ , Form.OnActivated(EventArgs) ↳ ,  
Form.OnBackgroundImageChanged(EventArgs) ↳ ,  
Form.OnBackgroundImageLayoutChanged(EventArgs) ↳ , Form.OnClosing(CancelEventArgs) ↳ ,  
Form.OnClosed(EventArgs) ↳ , Form.OnFormClosed(FormClosedEventArgs) ↳ ,  
Form.OnCreateControl() ↳ , Form.OnDeactivate(EventArgs) ↳ , Form.OnEnabledChanged(EventArgs) ↳ ,  
Form.OnEnter(EventArgs) ↳ , Form.OnFontChanged(EventArgs) ↳ , Form.OnHandleCreated(EventArgs) ↳ ,  
Form.OnHandleDestroyed(EventArgs) ↳ , Form.OnHelpButtonClicked(CancelEventArgs) ↳ ,  
Form.OnLayout(LayoutEventArgs) ↳ , Form.OnLoad(EventArgs) ↳ ,  
Form.OnMaximizedBoundsChanged(EventArgs) ↳ , Form.OnMaximumSizeChanged(EventArgs) ↳ ,  
Form.OnMinimumSizeChanged(EventArgs) ↳ ,  
Form.OnInputLanguageChanged(InputLanguageChangedEventArgs) ↳ ,  
Form.OnInputLanguageChanging(InputLanguageChangingEventArgs) ↳ ,  
Form.OnVisibleChanged(EventArgs) ↳ , Form.OnMdiChildActivate(EventArgs) ↳ ,  
Form.OnMenuStart(EventArgs) ↳ , Form.OnMenuComplete(EventArgs) ↳ ,  
Form.OnPaint(PaintEventArgs) ↳ , Form.OnResize(EventArgs) ↳ ,  
Form.OnDpiChanged(DpiChangedEventArgs) ↳ , Form.OnGetDpiScaledSize(int, int, ref Size) ↳ ,  
Form.OnRightToLeftLayoutChanged(EventArgs) ↳ , Form.OnShown(EventArgs) ↳ ,
```

[Form.OnTextChanged\(EventArgs\)](#) , [Form.ProcessCmdKey\(ref Message, Keys\)](#) ,
[Form.ProcessDialogKey\(Keys\)](#) , [Form.ProcessDialogChar\(char\)](#) ,
[Form.ProcessKeyPreview\(ref Message\)](#) , [Form.ProcessTabKey\(bool\)](#) ,
[Form.RemoveOwnedForm\(Form\)](#) , [Form.Select\(bool, bool\)](#) ,
[Form.GetScaledBounds\(Rectangle, SizeF, BoundsSpecified\)](#) ,
[Form.ScaleControl\(SizeF, BoundsSpecified\)](#) , [Form.SetBoundsCore\(int, int, int, int, BoundsSpecified\)](#) ,
[Form.SetClientSizeCore\(int, int\)](#) , [Form.SetDesktopBounds\(int, int, int, int\)](#) ,
[Form.SetDesktopLocation\(int, int\)](#) , [Form.Show\(IWin32Window\)](#) , [Form.ShowDialog\(\)](#) ,
[Form.ShowDialog\(IWin32Window\)](#) , [Form.ToString\(\)](#) , [Form.UpdateDefaultButton\(\)](#) ,
[Form.OnResizeBeginEventArgs\)](#) , [Form.OnResizeEndEventArgs\)](#) ,
[Form.OnStyleChangedEventArgs\)](#) , [Form.ValidateChildren\(\)](#) ,
[Form.ValidateChildren\(ValidationConstraints\)](#) , [Form.WndProc\(ref Message\)](#) , [Form.AcceptButton](#) ,
[Form.ActiveForm](#) , [Form.ActiveMdiChild](#) , [Form.AllowTransparency](#) , [Form.AutoScroll](#) ,
[Form.AutoSize](#) , [Form.AutoSizeMode](#) , [Form.AutoValidate](#) , [Form.BackColor](#) ,
[Form.FormBorderStyle](#) , [Form.CancelButton](#) , [Form.ClientSize](#) , [Form.ControlBox](#) ,
[Form.CreateParams](#) , [Form.DefaultImeMode](#) , [Form.DefaultSize](#) , [Form.DesktopBounds](#) ,
[Form/DesktopLocation](#) , [Form.DialogResult](#) , [Form.HelpButton](#) , [Form.Icon](#) , [Form.IsMdiChild](#) ,
[Form.IsMdiContainer](#) , [Form.IsRestrictedWindow](#) , [Form.KeyPreview](#) , [Form.Location](#) ,
[Form.MaximizedBounds](#) , [Form.MaximumSize](#) , [Form.MainMenuStrip](#) , [Form.Menu](#) ,
[Form.MinimumSize](#) , [Form.MaximizeBox](#) , [Form.MdiChildren](#) , [Form.MdiParent](#) ,
[Form.MergedMenu](#) , [Form.MinimizeBox](#) , [Form.Modal](#) , [Form.Opacity](#) , [Form.OwnedForms](#) ,
[Form.Owner](#) , [Form.RestoreBounds](#) , [Form.RightToLeftLayout](#) , [Form.ShowInTaskbar](#) ,
[Form>ShowIcon](#) , [Form>ShowWithoutActivation](#) , [Form.Size](#) , [Form.SizeGripStyle](#) ,
[Form.StartPosition](#) , [Form.Text](#) , [Form.TopLevel](#) , [Form.TopMost](#) , [Form.TransparencyKey](#) ,
[Form.WindowState](#) , [Form.AutoSizeChanged](#) , [Form.AutoValidateChanged](#) ,
[Form.HelpButtonClicked](#) , [Form.MaximizedBoundsChanged](#) , [Form.MaximumSizeChanged](#) ,
[Form.MinimumSizeChanged](#) , [Form.Activated](#) , [Form.Deactivate](#) , [Form.FormClosing](#) ,
[Form.FormClosed](#) , [Form.Load](#) , [Form.MdiChildActivate](#) , [Form.MenuComplete](#) ,
[Form.MenuStart](#) , [Form.InputLanguageChanged](#) , [Form.InputLanguageChanging](#) ,
[Form.RightToLeftLayoutChanged](#) , [Form.Shown](#) , [Form.DpiChanged](#) , [Form.ResizeBegin](#) ,
[Form.ResizeEnd](#) , [ContainerControl.OnAutoValidateChangedEventArgs\)](#) ,
[ContainerControl.OnParentChangedEventArgs\)](#) , [ContainerControl.PerformLayout\(\)](#) ,
[ContainerControl.Validate\(\)](#) , [ContainerControl.Validate\(bool\)](#) ,
[ContainerControl.AutoScaleDimensions](#) , [ContainerControl.AutoScaleFactor](#) ,
[ContainerControl.AutoScaleMode](#) , [ContainerControl.BindingContext](#) ,
[ContainerControl.CanEnableIme](#) , [ContainerControl.ActiveControl](#) ,
[ContainerControl.CurrentAutoSizeDimensions](#) , [ContainerControl.ParentForm](#) ,
[ScrollableControl.ScrollStateAutoScrolling](#) , [ScrollableControl.ScrollStateHScrollVisible](#) ,
[ScrollableControl.ScrollStateVScrollVisible](#) , [ScrollableControl.ScrollStateUserHasScrolled](#) ,
[ScrollableControl.ScrollStateFullDrag](#) , [ScrollableControl.GetScrollState\(int\)](#) ,

[ScrollableControl.OnMouseWheel\(MouseEventArgs\)](#) ,
[ScrollableControl.OnRightToLeftChanged\(EventArgs\)](#) ,
[ScrollableControl.OnPaintBackground\(PaintEventArgs\)](#) ,
[ScrollableControl.OnPaddingChanged\(EventArgs\)](#) , [ScrollableControl.SetDisplayRectLocation\(int, int\)](#) ,
[ScrollableControl.ScrollControlIntoView\(Control\)](#) , [ScrollableControl.ScrollToControl\(Control\)](#) ,
[ScrollableControl.OnScroll\(ScrollEventArgs\)](#) , [ScrollableControl.SetAutoScrollMargin\(int, int\)](#) ,
[ScrollableControl.SetScrollState\(int, bool\)](#) , [ScrollableControl.AutoScrollMargin](#) ,
[ScrollableControl.AutoScrollPosition](#) , [ScrollableControl.AutoScrollMinSize](#) ,
[ScrollableControl.DisplayRectangle](#) , [ScrollableControl.HScroll](#) , [ScrollableControl.HorizontalScroll](#) ,
[ScrollableControl.VScroll](#) , [ScrollableControl.VerticalScroll](#) , [ScrollableControl.Scroll](#) ,
[Control.GetAccessibilityObjectById\(int\)](#) , [Control.SetAutoSizeMode\(AutoSizeMode\)](#) ,
[Control.GetAutoSizeMode\(\)](#) , [Control.GetPreferredSize\(Size\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int, int\)](#) , [Control.BeginInvoke\(Delegate\)](#) ,
[Control.BeginInvoke\(Delegate, params object\[\]\)](#) , [Control.BringToFront\(\)](#) ,
[Control.Contains\(Control\)](#) , [Control.CreateAccessibilityInstance\(\)](#) , [Control.CreateGraphics\(\)](#) ,
[Control.CreateControl\(\)](#) , [Control.DestroyHandle\(\)](#) , [Control.DoDragDrop\(object, DragDropEffects\)](#) ,
[Control.DrawToBitmap\(Bitmap, Rectangle\)](#) , [Control.EndInvoke\(IAsyncResult\)](#) , [Control.FindForm\(\)](#) ,
[Control.GetTopLevel\(\)](#) , [Control.RaiseKeyEvent\(object, KeyEventArgs\)](#) ,
[Control.RaiseMouseEvent\(object, MouseEventArgs\)](#) , [Control.Focus\(\)](#) ,
[Control.FromChildHandle\(IntPtr\)](#) , [Control.FromHandle\(IntPtr\)](#) ,
[Control.GetChildAtPoint\(Point, GetChildAtPointSkip\)](#) , [Control.GetChildAtPoint\(Point\)](#) ,
[Control.GetContainerControl\(\)](#) , [Control.GetNextControl\(Control, bool\)](#) ,
[Control.GetStyle\(ControlStyles\)](#) , [Control.Hide\(\)](#) , [Control.InitLayout\(\)](#) , [Control.Invalidate\(Region\)](#) ,
[Control.Invalidate\(Region, bool\)](#) , [Control.Invalidate\(\)](#) , [Control.Invalidate\(bool\)](#) ,
[Control.Invalidate\(Rectangle\)](#) , [Control.Invalidate\(Rectangle, bool\)](#) , [Control.Invoke\(Delegate\)](#) ,
[Control.Invoke\(Delegate, params object\[\]\)](#) , [Control.InvokePaint\(Control, PaintEventArgs\)](#) ,
[Control.InvokePaintBackground\(Control, PaintEventArgs\)](#) , [Control.IsKeyLocked\(Keys\)](#) ,
[Control.IsInputChar\(char\)](#) , [Control.IsInputKey\(Keys\)](#) , [Control.IsMnemonic\(char, string\)](#) ,
[Control.LogicalToDeviceUnits\(int\)](#) , [Control.LogicalToDeviceUnits\(Size\)](#) ,
[Control.ScaleBitmapLogicalToDevice\(ref Bitmap\)](#) , [Control.NotifyInvalidate\(Rectangle\)](#) ,
[Control.InvokeOnClick\(Control, EventArgs\)](#) , [Control.OnAutoSizeChanged\(EventArgs\)](#) ,
[Control.OnBackColorChanged\(EventArgs\)](#) , [Control.OnBindingContextChanged\(EventArgs\)](#) ,
[Control.OnCausesValidationChanged\(EventArgs\)](#) , [Control.OnContextMenuChanged\(EventArgs\)](#) ,
[Control.OnContextMenuStripChanged\(EventArgs\)](#) , [Control.OnCursorChanged\(EventArgs\)](#) ,
[Control.OnDockChanged\(EventArgs\)](#) , [Control.OnForeColorChanged\(EventArgs\)](#) ,
[Control.OnNotifyMessage\(Message\)](#) , [Control.OnParentBackColorChanged\(EventArgs\)](#) ,
[Control.OnParentBackgroundImageChanged\(EventArgs\)](#) ,
[Control.OnParentBindingContextChanged\(EventArgs\)](#) , [Control.OnParentCursorChanged\(EventArgs\)](#) ,
[Control.OnParentEnabledChanged\(EventArgs\)](#) , [Control.OnParentFontChanged\(EventArgs\)](#) ,

[Control.OnParentForeColorChanged\(EventArgs\)](#) , [Control.OnParentRightToLeftChanged\(EventArgs\)](#) ,
[Control.OnParentVisibleChanged\(EventArgs\)](#) , [Control.OnPrint\(PaintEventArgs\)](#) ,
[Control.OnTabIndexChanged\(EventArgs\)](#) , [Control.OnTabStopChanged\(EventArgs\)](#) ,
[Control.OnClick\(EventArgs\)](#) , [Control.OnClientSizeChanged\(EventArgs\)](#) ,
[Control.OnControlAdded\(ControlEventArgs\)](#) , [Control.OnControlRemoved\(ControlEventArgs\)](#) ,
[Control.OnLocationChanged\(EventArgs\)](#) , [Control.OnDoubleClick\(EventArgs\)](#) ,
[Control.OnDragEnter\(DragEventArgs\)](#) , [Control.OnDragOver\(DragEventArgs\)](#) ,
[Control.OnDragLeave\(EventArgs\)](#) , [Control.OnDragDrop\(DragEventArgs\)](#) ,
[Control.OnGiveFeedback\(GiveFeedbackEventArgs\)](#) , [Control.InvokeGotFocus\(Control, EventArgs\)](#) ,
[Control.OnGotFocus\(EventArgs\)](#) , [Control.OnHelpRequested\(HelpEventArgs\)](#) ,
[Control.OnInvalidate\(InvalidateEventArgs\)](#) , [Control.OnKeyDown\(KeyEventArgs\)](#) ,
[Control.OnKeyPress\(KeyPressEventArgs\)](#) , [Control.OnKeyUp\(KeyEventArgs\)](#) ,
[Control.OnLeave\(EventArgs\)](#) , [Control.InvokeLostFocus\(Control, EventArgs\)](#) ,
[Control.OnLostFocus\(EventArgs\)](#) , [Control.OnMarginChanged\(EventArgs\)](#) ,
[Control.OnMouseDoubleClick\(MouseEventArgs\)](#) , [Control.OnMouseClick\(MouseEventArgs\)](#) ,
[Control.OnMouseCaptureChanged\(EventArgs\)](#) , [Control.OnMouseDown\(MouseEventArgs\)](#) ,
[Control.OnMouseEnter\(EventArgs\)](#) , [Control.OnMouseLeave\(EventArgs\)](#) ,
[Control.OnDpiChangedBeforeParent\(EventArgs\)](#) , [Control.OnDpiChangedAfterParent\(EventArgs\)](#) ,
[Control.OnMouseHover\(EventArgs\)](#) , [Control.OnMouseMove\(MouseEventArgs\)](#) ,
[Control.OnMouseUp\(MouseEventArgs\)](#) , [Control.OnMove\(EventArgs\)](#) ,
[Control.OnQueryContinueDrag\(QueryContinueDragEventArgs\)](#) ,
[Control.OnRegionChanged\(EventArgs\)](#) , [Control.OnPreviewKeyDown\(PreviewKeyDownEventArgs\)](#) ,
[Control.OnSizeChanged\(EventArgs\)](#) , [Control.OnChangeUICues\(UICuesEventArgs\)](#) ,
[Control.OnSystemColorsChanged\(EventArgs\)](#) , [Control.OnValidating\(CancelEventArgs\)](#) ,
[Control.OnValidated\(EventArgs\)](#) , [Control.RescaleConstantsForDpi\(int, int\)](#) ,
[Control.PerformLayout\(\)](#) , [Control.PerformLayout\(Control, string\)](#) , [Control.PointToClient\(Point\)](#) ,
[Control.PointToScreen\(Point\)](#) , [Control.PreProcessMessage\(ref Message\)](#) ,
[Control.PreProcessControlMessage\(ref Message\)](#) , [Control.ProcessKeyEventArgs\(ref Message\)](#) ,
[Control.ProcessKeyMessage\(ref Message\)](#) , [Control.RaiseDragEvent\(object, DragEventArgs\)](#) ,
[Control.RaisePaintEvent\(object, PaintEventArgs\)](#) , [Control.RecreateHandle\(\)](#) ,
[Control.RectangleToClient\(Rectangle\)](#) , [Control.RectangleToScreen\(Rectangle\)](#) ,
[Control.ReflectMessage\(IntPtr, ref Message\)](#) , [Control.Refresh\(\)](#) , [Control.ResetMouseEventArgs\(\)](#) ,
[Control.ResetText\(\)](#) , [Control.ResumeLayout\(\)](#) , [Control.ResumeLayout\(bool\)](#) , [Control.Scale\(SizeF\)](#) ,
[Control.Select\(\)](#) , [Control.SelectNextControl\(Control, bool, bool, bool, bool\)](#) , [Control.SendToBack\(\)](#) ,
[Control.SetBounds\(int, int, int, int\)](#) , [Control.SetBounds\(int, int, int, int, BoundsSpecified\)](#) ,
[Control.SizeFromClientSize\(Size\)](#) , [Control.SetStyle\(ControlStyles, bool\)](#) , [Control.SetTopLevel\(bool\)](#) ,
[Control.RtlTranslateAlignment\(HorizontalAlignment\)](#) ,
[Control.RtlTranslateAlignment\(LeftRightAlignment\)](#) ,
[Control.RtlTranslateAlignment\(ContentAlignment\)](#) ,
[Control.RtlTranslateHorizontal\(HorizontalAlignment\)](#) ,

[Control.RtlTranslateLeftRight\(LeftRightAlignment\)](#) , [Control.RtlTranslateContent\(ContentAlignment\)](#) ,
[Control.Show\(\)](#) , [Control.SuspendLayout\(\)](#) , [Control.Update\(\)](#) , [Control.UpdateBounds\(\)](#) ,
[Control.UpdateBounds\(int, int, int, int\)](#) , [Control.UpdateBounds\(int, int, int, int, int, int\)](#) ,
[Control.UpdateZOrder\(\)](#) , [Control.UpdateStyles\(\)](#) , [Control.OnImeModeChanged\(EventArgs\)](#) ,
[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,
[Control.BackgroundImage](#) , [Control.BackgroundImageLayout](#) , [Control.Bottom](#) , [Control.Bounds](#) ,
[Control.CanFocus](#) , [Control.CanRaiseEvents](#) , [Control.CanSelect](#) , [Control.Capture](#) ,
[Control.CausesValidation](#) , [Control.CheckForIllegalCrossThreadCalls](#) , [Control.ClientRectangle](#) ,
[Control.CompanyName](#) , [Control.ContainsFocus](#) , [Control.ContextMenu](#) ,
[Control.ContextMenuStrip](#) , [Control.Controls](#) , [Control.Created](#) , [Control.Cursor](#) ,
[Control.DataBindings](#) , [Control.DefaultBackColor](#) , [Control.DefaultCursor](#) , [Control.DefaultFont](#) ,
[Control.DefaultForeColor](#) , [Control.DefaultMargin](#) , [Control.DefaultMaximumSize](#) ,
[Control.DefaultMinimumSize](#) , [Control.DefaultPadding](#) , [Control.DeviceDpi](#) , [Control.IsDisposed](#) ,
[Control.Disposing](#) , [Control.Dock](#) , [Control.DoubleBuffered](#) , [Control.Enabled](#) , [Control.Focused](#) ,
[Control.Font](#) , [Control.FontHeight](#) , [Control.ForeColor](#) , [Control.Handle](#) , [Control.HasChildren](#) ,
[Control.Height](#) , [Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.IsAccessible](#) ,
[Control.IsMirrored](#) , [Control.Left](#) , [Control.Margin](#) , [Control.ModifierKeys](#) ,
[Control.MouseButtons](#) , [Control.mousePosition](#) , [Control.Name](#) , [Control.Parent](#) ,
[Control.ProductName](#) , [Control.ProductVersion](#) , [Control.RecreatingHandle](#) , [Control.Region](#) ,
[Control.RenderRightToLeft](#) , [Control.ResizeRedraw](#) , [Control.Right](#) , [Control.RightToLeft](#) ,
[Control.ScaleChildren](#) , [Control.Site](#) , [Control.TabIndex](#) , [Control.TabStop](#) , [Control.Tag](#) ,
[Control.Top](#) , [Control.TopLevelControl](#) , [Control>ShowKeyboardCues](#) , [Control>ShowFocusCues](#) ,
[Control.UseWaitCursor](#) , [Control.Visible](#) , [Control.Width](#) , [Control.PreferredSize](#) ,
[Control.Padding](#) , [Control.ImeMode](#) , [Control.ImeModeBase](#) , [Control.PropagatingImeMode](#) ,
[Control.BackColorChanged](#) , [Control.BackgroundImageChanged](#) ,
[Control.BackgroundImageLayoutChanged](#) , [Control.BindingContextChanged](#) ,
[Control.CausesValidationChanged](#) , [Control.ClientSizeChanged](#) , [Control.ContextMenuChanged](#) ,
[Control.ContextMenuStripChanged](#) , [Control.CursorChanged](#) , [Control.DockChanged](#) ,
[Control.EnabledChanged](#) , [Control.FontChanged](#) , [Control.ForeColorChanged](#) ,
[Control.LocationChanged](#) , [Control.MarginChanged](#) , [Control.RegionChanged](#) ,
[Control.RightToLeftChanged](#) , [Control.SizeChanged](#) , [Control.TabIndexChanged](#) ,
[Control.TabStopChanged](#) , [Control.TextChanged](#) , [Control.VisibleChanged](#) , [Control.Click](#) ,
[Control.ControlAdded](#) , [Control.ControlRemoved](#) , [Control.DragDrop](#) , [Control.DragEnter](#) ,
[Control.DragOver](#) , [Control.DragLeave](#) , [Control.GiveFeedback](#) , [Control.HandleCreated](#) ,
[Control.HandleDestroyed](#) , [Control.HelpRequested](#) , [Control.Invalidate](#) ,
[Control.PaddingChanged](#) , [Control.Paint](#) , [Control.QueryContinueDrag](#) ,
[Control.QueryAccessibilityHelp](#) , [Control.DoubleClick](#) , [Control.Enter](#) , [Control.GotFocus](#) ,
[Control.KeyDown](#) , [Control.KeyPress](#) , [Control.KeyUp](#) , [Control.Layout](#) , [Control.Leave](#) ,

[Control.LostFocus](#) , [Control.MouseClick](#) , [Control.MouseDoubleClick](#) ,
[Control.MouseCaptureChanged](#) , [Control.MouseDown](#) , [Control.MouseEnter](#) ,
[Control.MouseLeave](#) , [Control.DpiChangedBeforeParent](#) , [Control.DpiChangedAfterParent](#) ,
[Control.MouseHover](#) , [Control.MouseMove](#) , [Control.MouseUp](#) , [Control.MouseWheel](#) ,
[Control.Move](#) , [Control.PreviewKeyDown](#) , [Control.Resize](#) , [Control.ChangeUICTes](#) ,
[Control.StyleChanged](#) , [Control.SystemColorsChanged](#) , [Control.Validating](#) , [Control.Validated](#) ,
[Control.ParentChanged](#) , [Control.ImeModeChanged](#) , [Component.Dispose\(\)](#) ,
[Component.GetService\(Type\)](#) , [Component.Events](#) , [Component.Container](#) ,
[Component.DesignMode](#) , [Component.Disposed](#) , [MarshalByRefObject.MemberwiseClone\(bool\)](#) ,
[MarshalByRefObject.GetLifetimeService\(\)](#) , [MarshalByRefObject.InitializeLifetimeService\(\)](#) ,
[MarshalByRefObject.CreateObjRef\(Type\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#)

Constructors

AdminDashboard()

```
public AdminDashboard()
```

Fields

lblLogout

```
public Label lblLogout
```

Field Value

[Label](#)

Methods

Dispose(bool)

Clean up any resources being used.

```
protected override void Dispose(bool disposing)
```

Parameters

disposing [bool](#)

true if managed resources should be disposed; otherwise, false.

OnFormClosing(FormClosingEventArgs)

Cleanup resources on form closing

```
protected override void OnFormClosing(FormClosingEventArgs e)
```

Parameters

e [FormClosingEventArgs](#)

Class ApptMgmtController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the Appointment Management panel

```
public class ApptMgmtController : IPanelController
```

Inheritance

[object](#) ← ApptMgmtController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

ApptMgmtController(Panel)

```
public ApptMgmtController(Panel panel)
```

Parameters

panel [Panel](#)

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleanup resources when the panel is disposed

```
public void Cleanup()
```

Initialize()

Initialize the panel and its controls

```
public void Initialize()
```

OnHide()

Called when the panel is hidden

```
public void OnHide()
```

OnShow()

Called when the panel becomes visible

```
public void OnShow()
```

Class DoctorDashboard

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Represents the dashboard for doctors.

```
public class DoctorDashboard : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable,.IContainerControl
```

Inheritance

```
object ↗ ← MarshalByRefObject ↗ ← Component ↗ ← Control ↗ ← ScrollableControl ↗ ←  
ContainerControl ↗ ← Form ↗ ← DoctorDashboard
```

Implements

```
IDropTarget ↗ , ISynchronizeInvoke ↗ , IWin32Window ↗ , IBindableComponent ↗ , IComponent ↗ ,  
IDisposable ↗ , IContainerControl ↗
```

Inherited Members

```
Form.SetVisibleCore(bool) ↗ , Form.Activate() ↗ , Form.ActivateMdiChild(Form) ↗ ,  
Form.AddOwnedForm(Form) ↗ , Form.AdjustFormScrollbars(bool) ↗ , Form.Close() ↗ ,  
Form.CreateControlsInstance() ↗ , Form.CreateHandle() ↗ , Form.DefWndProc(ref Message) ↗ ,  
Form.ProcessMnemonic(char) ↗ , Form.CenterToParent() ↗ , Form.CenterToScreen() ↗ ,  
Form.LayoutMdi(MdiLayout) ↗ , Form.OnActivated(EventArgs) ↗ ,  
Form.OnBackgroundImageChanged(EventArgs) ↗ ,  
Form.OnBackgroundImageLayoutChanged(EventArgs) ↗ , Form.OnClosing(CancelEventArgs) ↗ ,  
Form.OnClosed(EventArgs) ↗ , Form.OnFormClosed(FormClosedEventArgs) ↗ ,  
Form.OnCreateControl() ↗ , Form.OnDeactivate(EventArgs) ↗ , Form.OnEnabledChanged(EventArgs) ↗ ,  
Form.OnEnter(EventArgs) ↗ , Form.OnFontChanged(EventArgs) ↗ , Form.OnHandleCreated(EventArgs) ↗ ,  
Form.OnHandleDestroyed(EventArgs) ↗ , Form.OnHelpButtonClicked(CancelEventArgs) ↗ ,  
Form.OnLayout(LayoutEventArgs) ↗ , Form.OnLoad(EventArgs) ↗ ,  
Form.OnMaximizedBoundsChanged(EventArgs) ↗ , Form.OnMaximumSizeChanged(EventArgs) ↗ ,  
Form.OnMinimumSizeChanged(EventArgs) ↗ ,  
Form.OnInputLanguageChanged(InputLanguageChangedEventArgs) ↗ ,  
Form.OnInputLanguageChanging(InputLanguageChangingEventArgs) ↗ ,  
Form.OnVisibleChanged(EventArgs) ↗ , Form.OnMdiChildActivate(EventArgs) ↗ ,  
Form.OnMenuStart(EventArgs) ↗ , Form.OnMenuComplete(EventArgs) ↗ ,  
Form.OnPaint(PaintEventArgs) ↗ , Form.OnResize(EventArgs) ↗ ,  
Form.OnDpiChanged(DpiChangedEventArgs) ↗ , Form.OnGetDpiScaledSize(int, int, ref Size) ↗ ,  
Form.OnRightToLeftLayoutChanged(EventArgs) ↗ , Form.OnShown(EventArgs) ↗ ,
```

[Form.OnTextChanged\(EventArgs\)](#) , [Form.ProcessCmdKey\(ref Message, Keys\)](#) ,
[Form.ProcessDialogKey\(Keys\)](#) , [Form.ProcessDialogChar\(char\)](#) ,
[Form.ProcessKeyPreview\(ref Message\)](#) , [Form.ProcessTabKey\(bool\)](#) ,
[Form.RemoveOwnedForm\(Form\)](#) , [Form.Select\(bool, bool\)](#) ,
[Form.GetScaledBounds\(Rectangle, SizeF, BoundsSpecified\)](#) ,
[Form.ScaleControl\(SizeF, BoundsSpecified\)](#) , [Form.SetBoundsCore\(int, int, int, int, BoundsSpecified\)](#) ,
[Form.SetClientSizeCore\(int, int\)](#) , [Form.SetDesktopBounds\(int, int, int, int\)](#) ,
[Form.SetDesktopLocation\(int, int\)](#) , [Form.Show\(IWin32Window\)](#) , [Form.ShowDialog\(\)](#) ,
[Form.ShowDialog\(IWin32Window\)](#) , [Form.ToString\(\)](#) , [Form.UpdateDefaultButton\(\)](#) ,
[Form.OnResizeBeginEventArgs\)](#) , [Form.OnResizeEndEventArgs\)](#) ,
[Form.OnStyleChangedEventArgs\)](#) , [Form.ValidateChildren\(\)](#) ,
[Form.ValidateChildren\(ValidationConstraints\)](#) , [Form.WndProc\(ref Message\)](#) , [Form.AcceptButton](#) ,
[Form.ActiveForm](#) , [Form.ActiveMdiChild](#) , [Form.AllowTransparency](#) , [Form.AutoScroll](#) ,
[Form.AutoSize](#) , [Form.AutoSizeMode](#) , [Form.AutoValidate](#) , [Form.BackColor](#) ,
[Form.FormBorderStyle](#) , [Form.CancelButton](#) , [Form.ClientSize](#) , [Form.ControlBox](#) ,
[Form.CreateParams](#) , [Form.DefaultImeMode](#) , [Form.DefaultSize](#) , [Form.DesktopBounds](#) ,
[Form/DesktopLocation](#) , [Form.DialogResult](#) , [Form.HelpButton](#) , [Form.Icon](#) , [Form.IsMdiChild](#) ,
[Form.IsMdiContainer](#) , [Form.IsRestrictedWindow](#) , [Form.KeyPreview](#) , [Form.Location](#) ,
[Form.MaximizedBounds](#) , [Form.MaximumSize](#) , [Form.MainMenuStrip](#) , [Form.Menu](#) ,
[Form.MinimumSize](#) , [Form.MaximizeBox](#) , [Form.MdiChildren](#) , [Form.MdiParent](#) ,
[Form.MergedMenu](#) , [Form.MinimizeBox](#) , [Form.Modal](#) , [Form.Opacity](#) , [Form.OwnedForms](#) ,
[Form.Owner](#) , [Form.RestoreBounds](#) , [Form.RightToLeftLayout](#) , [Form.ShowInTaskbar](#) ,
[Form>ShowIcon](#) , [Form>ShowWithoutActivation](#) , [Form.Size](#) , [Form.SizeGripStyle](#) ,
[Form.StartPosition](#) , [Form.Text](#) , [Form.TopLevel](#) , [Form.TopMost](#) , [Form.TransparencyKey](#) ,
[Form.WindowState](#) , [Form.AutoSizeChanged](#) , [Form.AutoValidateChanged](#) ,
[Form.HelpButtonClicked](#) , [Form.MaximizedBoundsChanged](#) , [Form.MaximumSizeChanged](#) ,
[Form.MinimumSizeChanged](#) , [Form.Activated](#) , [Form.Deactivate](#) , [Form.FormClosing](#) ,
[Form.FormClosed](#) , [Form.Load](#) , [Form.MdiChildActivate](#) , [Form.MenuComplete](#) ,
[Form.MenuStart](#) , [Form.InputLanguageChanged](#) , [Form.InputLanguageChanging](#) ,
[Form.RightToLeftLayoutChanged](#) , [Form.Shown](#) , [Form.DpiChanged](#) , [Form.ResizeBegin](#) ,
[Form.ResizeEnd](#) , [ContainerControl.OnAutoValidateChangedEventArgs\)](#) ,
[ContainerControl.OnParentChangedEventArgs\)](#) , [ContainerControl.PerformLayout\(\)](#) ,
[ContainerControl.Validate\(\)](#) , [ContainerControl.Validate\(bool\)](#) ,
[ContainerControl.AutoScaleDimensions](#) , [ContainerControl.AutoScaleFactor](#) ,
[ContainerControl.AutoScaleMode](#) , [ContainerControl.BindingContext](#) ,
[ContainerControl.CanEnableIme](#) , [ContainerControl.ActiveControl](#) ,
[ContainerControl.CurrentAutoSizeDimensions](#) , [ContainerControl.ParentForm](#) ,
[ScrollableControl.ScrollStateAutoScrolling](#) , [ScrollableControl.ScrollStateHScrollVisible](#) ,
[ScrollableControl.ScrollStateVScrollVisible](#) , [ScrollableControl.ScrollStateUserHasScrolled](#) ,
[ScrollableControl.ScrollStateFullDrag](#) , [ScrollableControl.GetScrollState\(int\)](#) ,

[ScrollableControl.OnMouseWheel\(MouseEventArgs\)](#) ,
[ScrollableControl.OnRightToLeftChanged\(EventArgs\)](#) ,
[ScrollableControl.OnPaintBackground\(PaintEventArgs\)](#) ,
[ScrollableControl.OnPaddingChanged\(EventArgs\)](#) , [ScrollableControl.SetDisplayRectLocation\(int, int\)](#) ,
[ScrollableControl.ScrollControlIntoView\(Control\)](#) , [ScrollableControl.ScrollToControl\(Control\)](#) ,
[ScrollableControl.OnScroll\(ScrollEventArgs\)](#) , [ScrollableControl.SetAutoScrollMargin\(int, int\)](#) ,
[ScrollableControl.SetScrollState\(int, bool\)](#) , [ScrollableControl.AutoScrollMargin](#) ,
[ScrollableControl.AutoScrollPosition](#) , [ScrollableControl.AutoScrollMinSize](#) ,
[ScrollableControl.DisplayRectangle](#) , [ScrollableControl.HScroll](#) , [ScrollableControl.HorizontalScroll](#) ,
[ScrollableControl.VScroll](#) , [ScrollableControl.VerticalScroll](#) , [ScrollableControl.Scroll](#) ,
[Control.GetAccessibilityObjectById\(int\)](#) , [Control.SetAutoSizeMode\(AutoSizeMode\)](#) ,
[Control.GetAutoSizeMode\(\)](#) , [Control.GetPreferredSize\(Size\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int, int\)](#) , [Control.BeginInvoke\(Delegate\)](#) ,
[Control.BeginInvoke\(Delegate, params object\[\]\)](#) , [Control.BringToFront\(\)](#) ,
[Control.Contains\(Control\)](#) , [Control.CreateAccessibilityInstance\(\)](#) , [Control.CreateGraphics\(\)](#) ,
[Control.CreateControl\(\)](#) , [Control.DestroyHandle\(\)](#) , [Control.DoDragDrop\(object, DragDropEffects\)](#) ,
[Control.DrawToBitmap\(Bitmap, Rectangle\)](#) , [Control.EndInvoke\(IAsyncResult\)](#) , [Control.FindForm\(\)](#) ,
[Control.GetTopLevel\(\)](#) , [Control.RaiseKeyEvent\(object, KeyEventArgs\)](#) ,
[Control.RaiseMouseEvent\(object, MouseEventArgs\)](#) , [Control.Focus\(\)](#) ,
[Control.FromChildHandle\(IntPtr\)](#) , [Control.FromHandle\(IntPtr\)](#) ,
[Control.GetChildAtPoint\(Point, GetChildAtPointSkip\)](#) , [Control.GetChildAtPoint\(Point\)](#) ,
[Control.GetContainerControl\(\)](#) , [Control.GetNextControl\(Control, bool\)](#) ,
[Control.GetStyle\(ControlStyles\)](#) , [Control.Hide\(\)](#) , [Control.InitLayout\(\)](#) , [Control.Invalidate\(Region\)](#) ,
[Control.Invalidate\(Region, bool\)](#) , [Control.Invalidate\(\)](#) , [Control.Invalidate\(bool\)](#) ,
[Control.Invalidate\(Rectangle\)](#) , [Control.Invalidate\(Rectangle, bool\)](#) , [Control.Invoke\(Delegate\)](#) ,
[Control.Invoke\(Delegate, params object\[\]\)](#) , [Control.InvokePaint\(Control, PaintEventArgs\)](#) ,
[Control.InvokePaintBackground\(Control, PaintEventArgs\)](#) , [Control.IsKeyLocked\(Keys\)](#) ,
[Control.IsInputChar\(char\)](#) , [Control.IsInputKey\(Keys\)](#) , [Control.IsMnemonic\(char, string\)](#) ,
[Control.LogicalToDeviceUnits\(int\)](#) , [Control.LogicalToDeviceUnits\(Size\)](#) ,
[Control.ScaleBitmapLogicalToDevice\(ref Bitmap\)](#) , [Control.NotifyInvalidate\(Rectangle\)](#) ,
[Control.InvokeOnClick\(Control, EventArgs\)](#) , [Control.OnAutoSizeChanged\(EventArgs\)](#) ,
[Control.OnBackColorChanged\(EventArgs\)](#) , [Control.OnBindingContextChanged\(EventArgs\)](#) ,
[Control.OnCausesValidationChanged\(EventArgs\)](#) , [Control.OnContextMenuChanged\(EventArgs\)](#) ,
[Control.OnContextMenuStripChanged\(EventArgs\)](#) , [Control.OnCursorChanged\(EventArgs\)](#) ,
[Control.OnDockChanged\(EventArgs\)](#) , [Control.OnForeColorChanged\(EventArgs\)](#) ,
[Control.OnNotifyMessage\(Message\)](#) , [Control.OnParentBackColorChanged\(EventArgs\)](#) ,
[Control.OnParentBackgroundImageChanged\(EventArgs\)](#) ,
[Control.OnParentBindingContextChanged\(EventArgs\)](#) , [Control.OnParentCursorChanged\(EventArgs\)](#) ,
[Control.OnParentEnabledChanged\(EventArgs\)](#) , [Control.OnParentFontChanged\(EventArgs\)](#) ,

[Control.OnParentForeColorChanged\(EventArgs\)](#) , [Control.OnParentRightToLeftChanged\(EventArgs\)](#) ,
[Control.OnParentVisibleChanged\(EventArgs\)](#) , [Control.OnPrint\(PaintEventArgs\)](#) ,
[Control.OnTabIndexChanged\(EventArgs\)](#) , [Control.OnTabStopChanged\(EventArgs\)](#) ,
[Control.OnClick\(EventArgs\)](#) , [Control.OnClientSizeChanged\(EventArgs\)](#) ,
[Control.OnControlAdded\(ControlEventArgs\)](#) , [Control.OnControlRemoved\(ControlEventArgs\)](#) ,
[Control.OnLocationChanged\(EventArgs\)](#) , [Control.OnDoubleClick\(EventArgs\)](#) ,
[Control.OnDragEnter\(DragEventArgs\)](#) , [Control.OnDragOver\(DragEventArgs\)](#) ,
[Control.OnDragLeave\(EventArgs\)](#) , [Control.OnDragDrop\(DragEventArgs\)](#) ,
[Control.OnGiveFeedback\(GiveFeedbackEventArgs\)](#) , [Control.InvokeGotFocus\(Control, EventArgs\)](#) ,
[Control.OnGotFocus\(EventArgs\)](#) , [Control.OnHelpRequested\(HelpEventArgs\)](#) ,
[Control.OnInvalidate\(InvalidateEventArgs\)](#) , [Control.OnKeyDown\(KeyEventArgs\)](#) ,
[Control.OnKeyPress\(KeyPressEventArgs\)](#) , [Control.OnKeyUp\(KeyEventArgs\)](#) ,
[Control.OnLeave\(EventArgs\)](#) , [Control.InvokeLostFocus\(Control, EventArgs\)](#) ,
[Control.OnLostFocus\(EventArgs\)](#) , [Control.OnMarginChanged\(EventArgs\)](#) ,
[Control.OnMouseDoubleClick\(MouseEventArgs\)](#) , [Control.OnMouseClick\(MouseEventArgs\)](#) ,
[Control.OnMouseCaptureChanged\(EventArgs\)](#) , [Control.OnMouseDown\(MouseEventArgs\)](#) ,
[Control.OnMouseEnter\(EventArgs\)](#) , [Control.OnMouseLeave\(EventArgs\)](#) ,
[Control.OnDpiChangedBeforeParent\(EventArgs\)](#) , [Control.OnDpiChangedAfterParent\(EventArgs\)](#) ,
[Control.OnMouseHover\(EventArgs\)](#) , [Control.OnMouseMove\(MouseEventArgs\)](#) ,
[Control.OnMouseUp\(MouseEventArgs\)](#) , [Control.OnMove\(EventArgs\)](#) ,
[Control.OnQueryContinueDrag\(QueryContinueDragEventArgs\)](#) ,
[Control.OnRegionChanged\(EventArgs\)](#) , [Control.OnPreviewKeyDown\(PreviewKeyDownEventArgs\)](#) ,
[Control.OnSizeChanged\(EventArgs\)](#) , [Control.OnChangeUICues\(UICuesEventArgs\)](#) ,
[Control.OnSystemColorsChanged\(EventArgs\)](#) , [Control.OnValidating\(CancelEventArgs\)](#) ,
[Control.OnValidated\(EventArgs\)](#) , [Control.RescaleConstantsForDpi\(int, int\)](#) ,
[Control.PerformLayout\(\)](#) , [Control.PerformLayout\(Control, string\)](#) , [Control.PointToClient\(Point\)](#) ,
[Control.PointToScreen\(Point\)](#) , [Control.PreProcessMessage\(ref Message\)](#) ,
[Control.PreProcessControlMessage\(ref Message\)](#) , [Control.ProcessKeyEventArgs\(ref Message\)](#) ,
[Control.ProcessKeyMessage\(ref Message\)](#) , [Control.RaiseDragEvent\(object, DragEventArgs\)](#) ,
[Control.RaisePaintEvent\(object, PaintEventArgs\)](#) , [Control.RecreateHandle\(\)](#) ,
[Control.RectangleToClient\(Rectangle\)](#) , [Control.RectangleToScreen\(Rectangle\)](#) ,
[Control.ReflectMessage\(IntPtr, ref Message\)](#) , [Control.Refresh\(\)](#) , [Control.ResetMouseEventArgs\(\)](#) ,
[Control.ResetText\(\)](#) , [Control.ResumeLayout\(\)](#) , [Control.ResumeLayout\(bool\)](#) , [Control.Scale\(SizeF\)](#) ,
[Control.Select\(\)](#) , [Control.SelectNextControl\(Control, bool, bool, bool, bool\)](#) , [Control.SendToBack\(\)](#) ,
[Control.SetBounds\(int, int, int, int\)](#) , [Control.SetBounds\(int, int, int, int, BoundsSpecified\)](#) ,
[Control.SizeFromClientSize\(Size\)](#) , [Control.SetStyle\(ControlStyles, bool\)](#) , [Control.SetTopLevel\(bool\)](#) ,
[Control.RtlTranslateAlignment\(HorizontalAlignment\)](#) ,
[Control.RtlTranslateAlignment\(LeftRightAlignment\)](#) ,
[Control.RtlTranslateAlignment\(ContentAlignment\)](#) ,
[Control.RtlTranslateHorizontal\(HorizontalAlignment\)](#) ,

[Control.RtlTranslateLeftRight\(LeftRightAlignment\)](#) , [Control.RtlTranslateContent\(ContentAlignment\)](#) ,
[Control.Show\(\)](#) , [Control.SuspendLayout\(\)](#) , [Control.Update\(\)](#) , [Control.UpdateBounds\(\)](#) ,
[Control.UpdateBounds\(int, int, int, int\)](#) , [Control.UpdateBounds\(int, int, int, int, int, int\)](#) ,
[Control.UpdateZOrder\(\)](#) , [Control.UpdateStyles\(\)](#) , [Control.OnImeModeChanged\(EventArgs\)](#) ,
[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,
[Control.BackgroundImage](#) , [Control.BackgroundImageLayout](#) , [Control.Bottom](#) , [Control.Bounds](#) ,
[Control.CanFocus](#) , [Control.CanRaiseEvents](#) , [Control.CanSelect](#) , [Control.Capture](#) ,
[Control.CausesValidation](#) , [Control.CheckForIllegalCrossThreadCalls](#) , [Control.ClientRectangle](#) ,
[Control.CompanyName](#) , [Control.ContainsFocus](#) , [Control.ContextMenu](#) ,
[Control.ContextMenuStrip](#) , [Control.Controls](#) , [Control.Created](#) , [Control.Cursor](#) ,
[Control.DataBindings](#) , [Control.DefaultBackColor](#) , [Control.DefaultCursor](#) , [Control.DefaultFont](#) ,
[Control.DefaultForeColor](#) , [Control.DefaultMargin](#) , [Control.DefaultMaximumSize](#) ,
[Control.DefaultMinimumSize](#) , [Control.DefaultPadding](#) , [Control.DeviceDpi](#) , [Control.IsDisposed](#) ,
[Control.Disposing](#) , [Control.Dock](#) , [Control.DoubleBuffered](#) , [Control.Enabled](#) , [Control.Focused](#) ,
[Control.Font](#) , [Control.FontHeight](#) , [Control.ForeColor](#) , [Control.Handle](#) , [Control.HasChildren](#) ,
[Control.Height](#) , [Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.IsAccessible](#) ,
[Control.IsMirrored](#) , [Control.Left](#) , [Control.Margin](#) , [Control.ModifierKeys](#) ,
[Control.MouseButtons](#) , [Control.mousePosition](#) , [Control.Name](#) , [Control.Parent](#) ,
[Control.ProductName](#) , [Control.ProductVersion](#) , [Control.RecreatingHandle](#) , [Control.Region](#) ,
[Control.RenderRightToLeft](#) , [Control.ResizeRedraw](#) , [Control.Right](#) , [Control.RightToLeft](#) ,
[Control.ScaleChildren](#) , [Control.Site](#) , [Control.TabIndex](#) , [Control.TabStop](#) , [Control.Tag](#) ,
[Control.Top](#) , [Control.TopLevelControl](#) , [Control>ShowKeyboardCues](#) , [Control>ShowFocusCues](#) ,
[Control.UseWaitCursor](#) , [Control.Visible](#) , [Control.Width](#) , [Control.PreferredSize](#) ,
[Control.Padding](#) , [Control.ImeMode](#) , [Control.ImeModeBase](#) , [Control.PropagatingImeMode](#) ,
[Control.BackColorChanged](#) , [Control.BackgroundImageChanged](#) ,
[Control.BackgroundImageLayoutChanged](#) , [Control.BindingContextChanged](#) ,
[Control.CausesValidationChanged](#) , [Control.ClientSizeChanged](#) , [Control.ContextMenuChanged](#) ,
[Control.ContextMenuStripChanged](#) , [Control.CursorChanged](#) , [Control.DockChanged](#) ,
[Control.EnabledChanged](#) , [Control.FontChanged](#) , [Control.ForeColorChanged](#) ,
[Control.LocationChanged](#) , [Control.MarginChanged](#) , [Control.RegionChanged](#) ,
[Control.RightToLeftChanged](#) , [Control.SizeChanged](#) , [Control.TabIndexChanged](#) ,
[Control.TabStopChanged](#) , [Control.TextChanged](#) , [Control.VisibleChanged](#) , [Control.Click](#) ,
[Control.ControlAdded](#) , [Control.ControlRemoved](#) , [Control.DragDrop](#) , [Control.DragEnter](#) ,
[Control.DragOver](#) , [Control.DragLeave](#) , [Control.GiveFeedback](#) , [Control.HandleCreated](#) ,
[Control.HandleDestroyed](#) , [Control.HelpRequested](#) , [Control.Invalidate](#) ,
[Control.PaddingChanged](#) , [Control.Paint](#) , [Control.QueryContinueDrag](#) ,
[Control.QueryAccessibilityHelp](#) , [Control.DoubleClick](#) , [Control.Enter](#) , [Control.GotFocus](#) ,
[Control.KeyDown](#) , [Control.KeyPress](#) , [Control.KeyUp](#) , [Control.Layout](#) , [Control.Leave](#) ,

[Control.LostFocus](#) , [Control.MouseClick](#) , [Control.MouseDoubleClick](#) ,
[Control.MouseCaptureChanged](#) , [Control.MouseDown](#) , [Control.MouseEnter](#) ,
[Control.MouseLeave](#) , [Control.DpiChangedBeforeParent](#) , [Control.DpiChangedAfterParent](#) ,
[Control.MouseHover](#) , [Control.MouseMove](#) , [Control.MouseUp](#) , [Control.MouseWheel](#) ,
[Control.Move](#) , [Control.PreviewKeyDown](#) , [Control.Resize](#) , [Control.ChangeUICTes](#) ,
[Control.StyleChanged](#) , [Control.SystemColorsChanged](#) , [Control.Validating](#) , [Control.Validated](#) ,
[Control.ParentChanged](#) , [Control.ImeModeChanged](#) , [Component.Dispose\(\)](#) ,
[Component.GetService\(Type\)](#) , [Component.Events](#) , [Component.Container](#) ,
[Component.DesignMode](#) , [Component.Disposed](#) , [MarshalByRefObject.MemberwiseClone\(bool\)](#) ,
[MarshalByRefObject.GetLifetimeService\(\)](#) , [MarshalByRefObject.InitializeLifetimeService\(\)](#) ,
[MarshalByRefObject.CreateObjRef\(Type\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#)

Constructors

DoctorDashboard()

```
public DoctorDashboard()
```

Fields

lblLogout

```
public Label lblLogout
```

Field Value

[Label](#)

Methods

Dispose(bool)

Clean up any resources being used.

```
protected override void Dispose(bool disposing)
```

Parameters

disposing [bool](#)

true if managed resources should be disposed; otherwise, false.

OnFormClosing(FormClosingEventArgs)

Cleanup resources on form closing

```
protected override void OnFormClosing(FormClosingEventArgs e)
```

Parameters

e [FormClosingEventArgs](#)

Class DoctorManagementController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the Doctor Management panel

```
public class DoctorManagementController : IPanelController
```

Inheritance

[object](#) ← DoctorManagementController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

DoctorManagementController(Panel)

```
public DoctorManagementController(Panel panel)
```

Parameters

panel [Panel](#)

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleanup resources when the panel is disposed

```
public void Cleanup()
```

Initialize()

Initialize the panel and its controls

```
public void Initialize()
```

OnHide()

Called when the panel is hidden

```
public void OnHide()
```

OnShow()

Called when the panel becomes visible

```
public void OnShow()
```

Interface IPanelController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Interface for dashboard panel controllers to enforce consistent behavior

```
public interface IPanelController
```

Properties

Panel

The panel managed by this controller

```
Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleanup resources when the panel is disposed

```
void Cleanup()
```

Initialize()

Initialize the panel and its controls

```
void Initialize()
```

OnHide()

Called when the panel is hidden

```
void OnHide()
```

OnShow()

Called when the panel becomes visible

```
void OnShow()
```

Class ImageHelper

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Helper class for image operations with caching to improve performance

```
public static class ImageHelper
```

Inheritance

[object](#) ← ImageHelper

Inherited Members

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

Methods

ClearCache()

Clear the image cache to free memory

```
public static void ClearCache()
```

ResizeImage(Image, int, int)

Resize an image with high quality interpolation and cache the result

```
public static Image ResizeImage(Image img, int width, int height)
```

Parameters

img [Image](#)

width [int](#)

`height` [int](#)

Returns

[Image](#)

StyleButton(Button, int, int)

Apply standardized styling to a button with icon

```
public static void StyleButton(Button button, int imageWidth, int imageHeight)
```

Parameters

`button` [Button](#)

`imageWidth` [int](#)

`imageHeight` [int](#)

Class LoginForm

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Represents the login form for the application.

```
public class LoginForm : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable, IContainerControl
```

Inheritance

```
object ↗ ← MarshalByRefObject ↗ ← Component ↗ ← Control ↗ ← ScrollableControl ↗ ←  
ContainerControl ↗ ← Form ↗ ← LoginForm
```

Implements

```
IDropTarget ↗ , ISynchronizeInvoke ↗ , IWin32Window ↗ , IBindableComponent ↗ , IComponent ↗ ,  
IDisposable ↗ , IContainerControl ↗
```

Inherited Members

```
Form.SetVisibleCore(bool) ↗ , Form.Activate() ↗ , Form.ActivateMdiChild(Form) ↗ ,  
Form.AddOwnedForm(Form) ↗ , Form.AdjustFormScrollbars(bool) ↗ , Form.Close() ↗ ,  
Form.CreateControlsInstance() ↗ , Form.CreateHandle() ↗ , Form.DefWndProc(ref Message) ↗ ,  
Form.ProcessMnemonic(char) ↗ , Form.CenterToParent() ↗ , Form.CenterToScreen() ↗ ,  
Form.LayoutMdi(MdiLayout) ↗ , Form.OnActivated(EventArgs) ↗ ,  
Form.OnBackgroundImageChanged(EventArgs) ↗ ,  
Form.OnBackgroundImageLayoutChanged(EventArgs) ↗ , Form.OnClosing(CancelEventArgs) ↗ ,  
Form.OnClosed(EventArgs) ↗ , Form.OnFormClosed(FormClosedEventArgs) ↗ ,  
Form.OnCreateControl() ↗ , Form.OnDeactivate(EventArgs) ↗ , Form.OnEnabledChanged(EventArgs) ↗ ,  
Form.OnEnter(EventArgs) ↗ , Form.OnFontChanged(EventArgs) ↗ , Form.OnHandleCreated(EventArgs) ↗ ,  
Form.OnHandleDestroyed(EventArgs) ↗ , Form.OnHelpButtonClicked(CancelEventArgs) ↗ ,  
Form.OnLayout(LayoutEventArgs) ↗ , Form.OnLoad(EventArgs) ↗ ,  
Form.OnMaximizedBoundsChanged(EventArgs) ↗ , Form.OnMaximumSizeChanged(EventArgs) ↗ ,  
Form.OnMinimumSizeChanged(EventArgs) ↗ ,  
Form.OnInputLanguageChanged(InputLanguageChangedEventArgs) ↗ ,  
Form.OnInputLanguageChanging(InputLanguageChangingEventArgs) ↗ ,  
Form.OnVisibleChanged(EventArgs) ↗ , Form.OnMdiChildActivate(EventArgs) ↗ ,  
Form.OnMenuStart(EventArgs) ↗ , Form.OnMenuComplete(EventArgs) ↗ ,  
Form.OnPaint(PaintEventArgs) ↗ , Form.OnResize(EventArgs) ↗ ,  
Form.OnDpiChanged(DpiChangedEventArgs) ↗ , Form.OnGetDpiScaledSize(int, int, ref Size) ↗ ,  
Form.OnRightToLeftLayoutChanged(EventArgs) ↗ , Form.OnShown(EventArgs) ↗ ,
```

[Form.OnTextChanged\(EventArgs\)](#) , [Form.ProcessCmdKey\(ref Message, Keys\)](#) ,
[Form.ProcessDialogKey\(Keys\)](#) , [Form.ProcessDialogChar\(char\)](#) ,
[Form.ProcessKeyPreview\(ref Message\)](#) , [Form.ProcessTabKey\(bool\)](#) ,
[Form.RemoveOwnedForm\(Form\)](#) , [Form.Select\(bool, bool\)](#) ,
[Form.GetScaledBounds\(Rectangle, SizeF, BoundsSpecified\)](#) ,
[Form.ScaleControl\(SizeF, BoundsSpecified\)](#) , [Form.SetBoundsCore\(int, int, int, int, BoundsSpecified\)](#) ,
[Form.SetClientSizeCore\(int, int\)](#) , [Form.SetDesktopBounds\(int, int, int, int\)](#) ,
[Form.SetDesktopLocation\(int, int\)](#) , [Form.Show\(IWin32Window\)](#) , [Form.ShowDialog\(\)](#) ,
[Form.ShowDialog\(IWin32Window\)](#) , [Form.ToString\(\)](#) , [Form.UpdateDefaultButton\(\)](#) ,
[Form.OnResizeBeginEventArgs](#) , [Form.OnResizeEndEventArgs](#) ,
[Form.OnStyleChangedEventArgs](#) , [Form.ValidateChildren\(\)](#) ,
[Form.ValidateChildren\(ValidationConstraints\)](#) , [Form.WndProc\(ref Message\)](#) , [Form.AcceptButton](#) ,
[Form.ActiveForm](#) , [Form.ActiveMdiChild](#) , [Form.AllowTransparency](#) , [Form.AutoScroll](#) ,
[Form.AutoSize](#) , [Form.AutoSizeMode](#) , [Form.AutoValidate](#) , [Form.BackColor](#) ,
[Form.FormBorderStyle](#) , [Form.CancelButton](#) , [Form.ClientSize](#) , [Form.ControlBox](#) ,
[Form.CreateParams](#) , [Form.DefaultImeMode](#) , [Form.DefaultSize](#) , [Form.DesktopBounds](#) ,
[Form/DesktopLocation](#) , [Form.DialogResult](#) , [Form.HelpButton](#) , [Form.Icon](#) , [Form.IsMdiChild](#) ,
[Form.IsMdiContainer](#) , [Form.IsRestrictedWindow](#) , [Form.KeyPreview](#) , [Form.Location](#) ,
[Form.MaximizedBounds](#) , [Form.MaximumSize](#) , [Form.MainMenuStrip](#) , [Form.Menu](#) ,
[Form.MinimumSize](#) , [Form.MaximizeBox](#) , [Form.MdiChildren](#) , [Form.MdiParent](#) ,
[Form.MergedMenu](#) , [Form.MinimizeBox](#) , [Form.Modal](#) , [Form.Opacity](#) , [Form.OwnedForms](#) ,
[Form.Owner](#) , [Form.RestoreBounds](#) , [Form.RightToLeftLayout](#) , [Form.ShowInTaskbar](#) ,
[Form>ShowIcon](#) , [Form>ShowWithoutActivation](#) , [Form.Size](#) , [Form.SizeGripStyle](#) ,
[Form.StartPosition](#) , [Form.Text](#) , [Form.TopLevel](#) , [Form.TopMost](#) , [Form.TransparencyKey](#) ,
[Form.WindowState](#) , [Form.AutoSizeChanged](#) , [Form.AutoValidateChanged](#) ,
[Form.HelpButtonClicked](#) , [Form.MaximizedBoundsChanged](#) , [Form.MaximumSizeChanged](#) ,
[Form.MinimumSizeChanged](#) , [Form.Activated](#) , [Form.Deactivate](#) , [Form.FormClosing](#) ,
[Form.FormClosed](#) , [Form.Load](#) , [Form.MdiChildActivate](#) , [Form.MenuComplete](#) ,
[Form.MenuStart](#) , [Form.InputLanguageChanged](#) , [Form.InputLanguageChanging](#) ,
[Form.RightToLeftLayoutChanged](#) , [Form.Shown](#) , [Form.DpiChanged](#) , [Form.ResizeBegin](#) ,
[Form.ResizeEnd](#) , [ContainerControl.OnAutoValidateChangedEventArgs](#) ,
[ContainerControl.OnParentChangedEventArgs](#) , [ContainerControl.PerformLayout\(\)](#) ,
[ContainerControl.Validate\(\)](#) , [ContainerControl.Validate\(bool\)](#) ,
[ContainerControl.AutoScaleDimensions](#) , [ContainerControl.AutoScaleFactor](#) ,
[ContainerControl.AutoScaleMode](#) , [ContainerControl.BindingContext](#) ,
[ContainerControl.CanEnableIme](#) , [ContainerControl.ActiveControl](#) ,
[ContainerControl.CurrentAutoSizeDimensions](#) , [ContainerControl.ParentForm](#) ,
[ScrollableControl.ScrollStateAutoScrolling](#) , [ScrollableControl.ScrollStateHScrollVisible](#) ,
[ScrollableControl.ScrollStateVScrollVisible](#) , [ScrollableControl.ScrollStateUserHasScrolled](#) ,
[ScrollableControl.ScrollStateFullDrag](#) , [ScrollableControl.GetScrollState\(int\)](#) ,

[ScrollableControl.OnMouseWheel\(MouseEventArgs\)](#) ,
[ScrollableControl.OnRightToLeftChanged\(EventArgs\)](#) ,
[ScrollableControl.OnPaintBackground\(PaintEventArgs\)](#) ,
[ScrollableControl.OnPaddingChanged\(EventArgs\)](#) , [ScrollableControl.SetDisplayRectLocation\(int, int\)](#) ,
[ScrollableControl.ScrollControlIntoView\(Control\)](#) , [ScrollableControl.ScrollToControl\(Control\)](#) ,
[ScrollableControl.OnScroll\(ScrollEventArgs\)](#) , [ScrollableControl.SetAutoScrollMargin\(int, int\)](#) ,
[ScrollableControl.SetScrollState\(int, bool\)](#) , [ScrollableControl.AutoScrollMargin](#) ,
[ScrollableControl.AutoScrollPosition](#) , [ScrollableControl.AutoScrollMinSize](#) ,
[ScrollableControl.DisplayRectangle](#) , [ScrollableControl.HScroll](#) , [ScrollableControl.HorizontalScroll](#) ,
[ScrollableControl.VScroll](#) , [ScrollableControl.VerticalScroll](#) , [ScrollableControl.Scroll](#) ,
[Control.GetAccessibilityObjectById\(int\)](#) , [Control.SetAutoSizeMode\(AutoSizeMode\)](#) ,
[Control.GetAutoSizeMode\(\)](#) , [Control.GetPreferredSize\(Size\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int, int\)](#) , [Control.BeginInvoke\(Delegate\)](#) ,
[Control.BeginInvoke\(Delegate, params object\[\]\)](#) , [Control.BringToFront\(\)](#) ,
[Control.Contains\(Control\)](#) , [Control.CreateAccessibilityInstance\(\)](#) , [Control.CreateGraphics\(\)](#) ,
[Control.CreateControl\(\)](#) , [Control.DestroyHandle\(\)](#) , [Control.DoDragDrop\(object, DragDropEffects\)](#) ,
[Control.DrawToBitmap\(Bitmap, Rectangle\)](#) , [Control.EndInvoke\(IAsyncResult\)](#) , [Control.FindForm\(\)](#) ,
[Control.GetTopLevel\(\)](#) , [Control.RaiseKeyEvent\(object, KeyEventArgs\)](#) ,
[Control.RaiseMouseEvent\(object, MouseEventArgs\)](#) , [Control.Focus\(\)](#) ,
[Control.FromChildHandle\(IntPtr\)](#) , [Control.FromHandle\(IntPtr\)](#) ,
[Control.GetChildAtPoint\(Point, GetChildAtPointSkip\)](#) , [Control.GetChildAtPoint\(Point\)](#) ,
[Control.GetContainerControl\(\)](#) , [Control.GetNextControl\(Control, bool\)](#) ,
[Control.GetStyle\(ControlStyles\)](#) , [Control.Hide\(\)](#) , [Control.InitLayout\(\)](#) , [Control.Invalidate\(Region\)](#) ,
[Control.Invalidate\(Region, bool\)](#) , [Control.Invalidate\(\)](#) , [Control.Invalidate\(bool\)](#) ,
[Control.Invalidate\(Rectangle\)](#) , [Control.Invalidate\(Rectangle, bool\)](#) , [Control.Invoke\(Delegate\)](#) ,
[Control.Invoke\(Delegate, params object\[\]\)](#) , [Control.InvokePaint\(Control, PaintEventArgs\)](#) ,
[Control.InvokePaintBackground\(Control, PaintEventArgs\)](#) , [Control.IsKeyLocked\(Keys\)](#) ,
[Control.IsInputChar\(char\)](#) , [Control.IsInputKey\(Keys\)](#) , [Control.IsMnemonic\(char, string\)](#) ,
[Control.LogicalToDeviceUnits\(int\)](#) , [Control.LogicalToDeviceUnits\(Size\)](#) ,
[Control.ScaleBitmapLogicalToDevice\(ref Bitmap\)](#) , [Control.NotifyInvalidate\(Rectangle\)](#) ,
[Control.InvokeOnClick\(Control, EventArgs\)](#) , [Control.OnAutoSizeChanged\(EventArgs\)](#) ,
[Control.OnBackColorChanged\(EventArgs\)](#) , [Control.OnBindingContextChanged\(EventArgs\)](#) ,
[Control.OnCausesValidationChanged\(EventArgs\)](#) , [Control.OnContextMenuChanged\(EventArgs\)](#) ,
[Control.OnContextMenuStripChanged\(EventArgs\)](#) , [Control.OnCursorChanged\(EventArgs\)](#) ,
[Control.OnDockChanged\(EventArgs\)](#) , [Control.OnForeColorChanged\(EventArgs\)](#) ,
[Control.OnNotifyMessage\(Message\)](#) , [Control.OnParentBackColorChanged\(EventArgs\)](#) ,
[Control.OnParentBackgroundImageChanged\(EventArgs\)](#) ,
[Control.OnParentBindingContextChanged\(EventArgs\)](#) , [Control.OnParentCursorChanged\(EventArgs\)](#) ,
[Control.OnParentEnabledChanged\(EventArgs\)](#) , [Control.OnParentFontChanged\(EventArgs\)](#) ,

[Control.OnParentForeColorChanged\(EventArgs\)](#) , [Control.OnParentRightToLeftChanged\(EventArgs\)](#) ,
[Control.OnParentVisibleChanged\(EventArgs\)](#) , [Control.OnPrint\(PaintEventArgs\)](#) ,
[Control.OnTabIndexChanged\(EventArgs\)](#) , [Control.OnTabStopChanged\(EventArgs\)](#) ,
[Control.OnClick\(EventArgs\)](#) , [Control.OnClientSizeChanged\(EventArgs\)](#) ,
[Control.OnControlAdded\(ControlEventArgs\)](#) , [Control.OnControlRemoved\(ControlEventArgs\)](#) ,
[Control.OnLocationChanged\(EventArgs\)](#) , [Control.OnDoubleClick\(EventArgs\)](#) ,
[Control.OnDragEnter\(DragEventArgs\)](#) , [Control.OnDragOver\(DragEventArgs\)](#) ,
[Control.OnDragLeave\(EventArgs\)](#) , [Control.OnDragDrop\(DragEventArgs\)](#) ,
[Control.OnGiveFeedback\(GiveFeedbackEventArgs\)](#) , [Control.InvokeGotFocus\(Control, EventArgs\)](#) ,
[Control.OnGotFocus\(EventArgs\)](#) , [Control.OnHelpRequested\(HelpEventArgs\)](#) ,
[Control.OnInvalidate\(InvalidateEventArgs\)](#) , [Control.OnKeyDown\(KeyEventArgs\)](#) ,
[Control.OnKeyPress\(KeyPressEventArgs\)](#) , [Control.OnKeyUp\(KeyEventArgs\)](#) ,
[Control.OnLeave\(EventArgs\)](#) , [Control.InvokeLostFocus\(Control, EventArgs\)](#) ,
[Control.OnLostFocus\(EventArgs\)](#) , [Control.OnMarginChanged\(EventArgs\)](#) ,
[Control.OnMouseDoubleClick\(MouseEventArgs\)](#) , [Control.OnMouseClick\(MouseEventArgs\)](#) ,
[Control.OnMouseCaptureChanged\(EventArgs\)](#) , [Control.OnMouseDown\(MouseEventArgs\)](#) ,
[Control.OnMouseEnter\(EventArgs\)](#) , [Control.OnMouseLeave\(EventArgs\)](#) ,
[Control.OnDpiChangedBeforeParent\(EventArgs\)](#) , [Control.OnDpiChangedAfterParent\(EventArgs\)](#) ,
[Control.OnMouseHover\(EventArgs\)](#) , [Control.OnMouseMove\(MouseEventArgs\)](#) ,
[Control.OnMouseUp\(MouseEventArgs\)](#) , [Control.OnMove\(EventArgs\)](#) ,
[Control.OnQueryContinueDrag\(QueryContinueDragEventArgs\)](#) ,
[Control.OnRegionChanged\(EventArgs\)](#) , [Control.OnPreviewKeyDown\(PreviewKeyDownEventArgs\)](#) ,
[Control.OnSizeChanged\(EventArgs\)](#) , [Control.OnChangeUICues\(UICuesEventArgs\)](#) ,
[Control.OnSystemColorsChanged\(EventArgs\)](#) , [Control.OnValidating\(CancelEventArgs\)](#) ,
[Control.OnValidated\(EventArgs\)](#) , [Control.RescaleConstantsForDpi\(int, int\)](#) ,
[Control.PerformLayout\(\)](#) , [Control.PerformLayout\(Control, string\)](#) , [Control.PointToClient\(Point\)](#) ,
[Control.PointToScreen\(Point\)](#) , [Control.PreProcessMessage\(ref Message\)](#) ,
[Control.PreProcessControlMessage\(ref Message\)](#) , [Control.ProcessKeyEventArgs\(ref Message\)](#) ,
[Control.ProcessKeyMessage\(ref Message\)](#) , [Control.RaiseDragEvent\(object, DragEventArgs\)](#) ,
[Control.RaisePaintEvent\(object, PaintEventArgs\)](#) , [Control.RecreateHandle\(\)](#) ,
[Control.RectangleToClient\(Rectangle\)](#) , [Control.RectangleToScreen\(Rectangle\)](#) ,
[Control.ReflectMessage\(IntPtr, ref Message\)](#) , [Control.Refresh\(\)](#) , [Control.ResetMouseEventArgs\(\)](#) ,
[Control.ResetText\(\)](#) , [Control.ResumeLayout\(\)](#) , [Control.ResumeLayout\(bool\)](#) , [Control.Scale\(SizeF\)](#) ,
[Control.Select\(\)](#) , [Control.SelectNextControl\(Control, bool, bool, bool, bool\)](#) , [Control.SendToBack\(\)](#) ,
[Control.SetBounds\(int, int, int, int\)](#) , [Control.SetBounds\(int, int, int, int, BoundsSpecified\)](#) ,
[Control.SizeFromClientSize\(Size\)](#) , [Control.SetStyle\(ControlStyles, bool\)](#) , [Control.SetTopLevel\(bool\)](#) ,
[Control.RtlTranslateAlignment\(HorizontalAlignment\)](#) ,
[Control.RtlTranslateAlignment\(LeftRightAlignment\)](#) ,
[Control.RtlTranslateAlignment\(ContentAlignment\)](#) ,
[Control.RtlTranslateHorizontal\(HorizontalAlignment\)](#) ,

[Control.RtlTranslateLeftRight\(LeftRightAlignment\)](#) , [Control.RtlTranslateContent\(ContentAlignment\)](#) ,
[Control.Show\(\)](#) , [Control.SuspendLayout\(\)](#) , [Control.Update\(\)](#) , [Control.UpdateBounds\(\)](#) ,
[Control.UpdateBounds\(int, int, int, int\)](#) , [Control.UpdateBounds\(int, int, int, int, int, int\)](#) ,
[Control.UpdateZOrder\(\)](#) , [Control.UpdateStyles\(\)](#) , [Control.OnImeModeChanged\(EventArgs\)](#) ,
[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,
[Control.BackgroundImage](#) , [Control.BackgroundImageLayout](#) , [Control.Bottom](#) , [Control.Bounds](#) ,
[Control.CanFocus](#) , [Control.CanRaiseEvents](#) , [Control.CanSelect](#) , [Control.Capture](#) ,
[Control.CausesValidation](#) , [Control.CheckForIllegalCrossThreadCalls](#) , [Control.ClientRectangle](#) ,
[Control.CompanyName](#) , [Control.ContainsFocus](#) , [Control.ContextMenu](#) ,
[Control.ContextMenuStrip](#) , [Control.Controls](#) , [Control.Created](#) , [Control.Cursor](#) ,
[Control.DataBindings](#) , [Control.DefaultBackColor](#) , [Control.DefaultCursor](#) , [Control.DefaultFont](#) ,
[Control.DefaultForeColor](#) , [Control.DefaultMargin](#) , [Control.DefaultMaximumSize](#) ,
[Control.DefaultMinimumSize](#) , [Control.DefaultPadding](#) , [Control.DeviceDpi](#) , [Control.IsDisposed](#) ,
[Control.Disposing](#) , [Control.Dock](#) , [Control.DoubleBuffered](#) , [Control.Enabled](#) , [Control.Focused](#) ,
[Control.Font](#) , [Control.FontHeight](#) , [Control.ForeColor](#) , [Control.Handle](#) , [Control.HasChildren](#) ,
[Control.Height](#) , [Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.Accessible](#) ,
[Control.IsMirrored](#) , [Control.Left](#) , [Control.Margin](#) , [Control.ModifierKeys](#) ,
[Control.MouseButtons](#) , [Control.mousePosition](#) , [Control.Name](#) , [Control.Parent](#) ,
[Control.ProductName](#) , [Control.ProductVersion](#) , [Control.RecreatingHandle](#) , [Control.Region](#) ,
[Control.RenderRightToLeft](#) , [Control.ResizeRedraw](#) , [Control.Right](#) , [Control.RightToLeft](#) ,
[Control.ScaleChildren](#) , [Control.Site](#) , [Control.TabIndex](#) , [Control.TabStop](#) , [Control.Tag](#) ,
[Control.Top](#) , [Control.TopLevelControl](#) , [Control.ShowKeyboardCues](#) , [Control.ShowFocusCues](#) ,
[Control.UseWaitCursor](#) , [Control.Visible](#) , [Control.Width](#) , [Control.PreferredSize](#) ,
[Control.Padding](#) , [Control.ImeMode](#) , [Control.ImeModeBase](#) , [Control.PropagatingImeMode](#) ,
[Control.BackColorChanged](#) , [Control.BackgroundImageChanged](#) ,
[Control.BackgroundImageLayoutChanged](#) , [Control.BindingContextChanged](#) ,
[Control.CausesValidationChanged](#) , [Control.ClientSizeChanged](#) , [Control.ContextMenuChanged](#) ,
[Control.ContextMenuStripChanged](#) , [Control.CursorChanged](#) , [Control.DockChanged](#) ,
[Control.EnabledChanged](#) , [Control.FontChanged](#) , [Control.ForeColorChanged](#) ,
[Control.LocationChanged](#) , [Control.MarginChanged](#) , [Control.RegionChanged](#) ,
[Control.RightToLeftChanged](#) , [Control.SizeChanged](#) , [Control.TabIndexChanged](#) ,
[Control.TabStopChanged](#) , [Control.TextChanged](#) , [Control.VisibleChanged](#) , [Control.Click](#) ,
[Control.ControlAdded](#) , [Control.ControlRemoved](#) , [Control.DragDrop](#) , [Control.DragEnter](#) ,
[Control.DragOver](#) , [Control.DragLeave](#) , [Control.GiveFeedback](#) , [Control.HandleCreated](#) ,
[Control.HandleDestroyed](#) , [Control.HelpRequested](#) , [Control.Invalidate](#) ,
[Control.PaddingChanged](#) , [Control.Paint](#) , [Control.QueryContinueDrag](#) ,
[Control.QueryAccessibilityHelp](#) , [Control.DoubleClick](#) , [Control.Enter](#) , [Control.GotFocus](#) ,
[Control.KeyDown](#) , [Control.KeyPress](#) , [Control.KeyUp](#) , [Control.Layout](#) , [Control.Leave](#) ,

[Control.LostFocus](#) , [Control.MouseClick](#) , [Control.MouseDoubleClick](#) ,
[Control.MouseCaptureChanged](#) , [Control.MouseDown](#) , [Control.MouseEnter](#) ,
[Control.MouseLeave](#) , [Control.DpiChangedBeforeParent](#) , [Control.DpiChangedAfterParent](#) ,
[Control.MouseHover](#) , [Control.MouseMove](#) , [Control.MouseUp](#) , [Control.MouseWheel](#) ,
[Control.Move](#) , [Control.PreviewKeyDown](#) , [Control.Resize](#) , [Control.ChangeUICTues](#) ,
[Control.StyleChanged](#) , [Control.SystemColorsChanged](#) , [Control.Validating](#) , [Control.Validated](#) ,
[Control.ParentChanged](#) , [Control.ImeModeChanged](#) , [Component.Dispose\(\)](#) ,
[Component.GetService\(Type\)](#) , [Component.Events](#) , [Component.Container](#) ,
[Component.DesignMode](#) , [Component.Disposed](#) , [MarshalByRefObject.MemberwiseClone\(bool\)](#) ,
[MarshalByRefObject.GetLifetimeService\(\)](#) , [MarshalByRefObject.InitializeLifetimeService\(\)](#) ,
[MarshalByRefObject.CreateObjRef\(Type\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#)

Constructors

LoginForm()

```
public LoginForm()
```

Methods

Dispose(bool)

Clean up any resources being used.

```
protected override void Dispose(bool disposing)
```

Parameters

`disposing` [bool](#)

true if managed resources should be disposed; otherwise, false.

OnFormClosing(FormClosingEventArgs)

Raises the [FormClosing](#) event.

```
protected override void OnFormClosing(FormClosingEventArgs e)
```

Parameters

e [FormClosingEventArgs](#)

A [FormClosingEventArgs](#) that contains the event data.

Class NavigationManager

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Manages navigation between different panels in the dashboard

```
public class NavigationManager
```

Inheritance

[object](#) ← NavigationManager

Inherited Members

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

Constructors

NavigationManager(Color, Color)

```
public NavigationManager(Color defaultColor, Color activeColor)
```

Parameters

defaultColor [Color](#)

activeColor [Color](#)

Methods

CleanupAll()

Cleanup all registered panels

```
public void CleanupAll()
```

InitializeAll()

Initialize all registered panels

```
public void InitializeAll()
```

NavigateTo(Button)

Navigate to the panel associated with the given button

```
public void NavigateTo(Button button)
```

Parameters

button [Button](#)

RegisterPanel(Button, IPanelController)

Register a button-panel pair for navigation

```
public void RegisterPanel(Button button, IPanelController panelController)
```

Parameters

button [Button](#)

panelController [IPanelController](#)

Class NotificationsController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the Notifications panel

```
public class NotificationsController : IPanelController
```

Inheritance

[object](#) ← NotificationsController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

NotificationsController(Panel, Timer)

```
public NotificationsController(Panel panel, Timer timerToast)
```

Parameters

panel [Panel](#)

timerToast [Timer](#)

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleanup resources when the panel is disposed

```
public void Cleanup()
```

Initialize()

Initialize the panel and its controls

```
public void Initialize()
```

OnHide()

Called when the panel is hidden

```
public void OnHide()
```

OnShow()

Called when the panel becomes visible

```
public void OnShow()
```

Class PatientRegistrationController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the Patient Registration panel

```
public class PatientRegistrationController : IPanelController
```

Inheritance

[object](#) ← PatientRegistrationController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

PatientRegistrationController(Panel)

Initializes a new instance of the PatientRegistrationController class.

```
public PatientRegistrationController(Panel panel)
```

Parameters

panel [Panel](#)

The panel to control.

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleans up resources.

```
public void Cleanup()
```

Initialize()

Initializes the controller.

```
public void Initialize()
```

OnHide()

Called when the panel is hidden.

```
public void OnHide()
```

OnShow()

Called when the panel is shown.

```
public void OnShow()
```

Class ReceptionistDashboard

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Represents the dashboard for receptionists.

```
public class ReceptionistDashboard : Form, IDropTarget, ISynchronizeInvoke, IWin32Window,  
IBindableComponent, IComponent, IDisposable, IContainerControl
```

Inheritance

```
object ↳ ← MarshalByRefObject ↳ ← Component ↳ ← Control ↳ ← ScrollableControl ↳ ←  
ContainerControl ↳ ← Form ↳ ← ReceptionistDashboard
```

Implements

```
IDropTarget ↳ , ISynchronizeInvoke ↳ , IWin32Window ↳ , IBindableComponent ↳ , IComponent ↳ ,  
IDisposable ↳ , IContainerControl ↳
```

Inherited Members

```
Form.SetVisibleCore(bool) ↳ , Form.Activate() ↳ , Form.ActivateMdiChild(Form) ↳ ,  
Form.AddOwnedForm(Form) ↳ , Form.AdjustFormScrollbars(bool) ↳ , Form.Close() ↳ ,  
Form.CreateControlsInstance() ↳ , Form.CreateHandle() ↳ , Form.DefWndProc(ref Message) ↳ ,  
Form.ProcessMnemonic(char) ↳ , Form.CenterToParent() ↳ , Form.CenterToScreen() ↳ ,  
Form.LayoutMdi(MdiLayout) ↳ , Form.OnActivated(EventArgs) ↳ ,  
Form.OnBackgroundImageChanged(EventArgs) ↳ ,  
Form.OnBackgroundImageLayoutChanged(EventArgs) ↳ , Form.OnClosing(CancelEventArgs) ↳ ,  
Form.OnClosed(EventArgs) ↳ , Form.OnFormClosed(FormClosedEventArgs) ↳ ,  
Form.OnCreateControl() ↳ , Form.OnDeactivate(EventArgs) ↳ , Form.OnEnabledChanged(EventArgs) ↳ ,  
Form.OnEnter(EventArgs) ↳ , Form.OnFontChanged(EventArgs) ↳ , Form.OnHandleCreated(EventArgs) ↳ ,  
Form.OnHandleDestroyed(EventArgs) ↳ , Form.OnHelpButtonClicked(CancelEventArgs) ↳ ,  
Form.OnLayout(LayoutEventArgs) ↳ , Form.OnLoad(EventArgs) ↳ ,  
Form.OnMaximizedBoundsChanged(EventArgs) ↳ , Form.OnMaximumSizeChanged(EventArgs) ↳ ,  
Form.OnMinimumSizeChanged(EventArgs) ↳ ,  
Form.OnInputLanguageChanged(InputLanguageChangedEventArgs) ↳ ,  
Form.OnInputLanguageChanging(InputLanguageChangingEventArgs) ↳ ,  
Form.OnVisibleChanged(EventArgs) ↳ , Form.OnMdiChildActivate(EventArgs) ↳ ,  
Form.OnMenuStart(EventArgs) ↳ , Form.OnMenuComplete(EventArgs) ↳ ,  
Form.OnPaint(PaintEventArgs) ↳ , Form.OnResize(EventArgs) ↳ ,  
Form.OnDpiChanged(DpiChangedEventArgs) ↳ , Form.OnGetDpiScaledSize(int, int, ref Size) ↳ ,  
Form.OnRightToLeftLayoutChanged(EventArgs) ↳ , Form.OnShown(EventArgs) ↳ ,
```

[Form.OnTextChanged\(EventArgs\)](#) , [Form.ProcessCmdKey\(ref Message, Keys\)](#) ,
[Form.ProcessDialogKey\(Keys\)](#) , [Form.ProcessDialogChar\(char\)](#) ,
[Form.ProcessKeyPreview\(ref Message\)](#) , [Form.ProcessTabKey\(bool\)](#) ,
[Form.RemoveOwnedForm\(Form\)](#) , [Form.Select\(bool, bool\)](#) ,
[Form.GetScaledBounds\(Rectangle, SizeF, BoundsSpecified\)](#) ,
[Form.ScaleControl\(SizeF, BoundsSpecified\)](#) , [Form.SetBoundsCore\(int, int, int, int, BoundsSpecified\)](#) ,
[Form.SetClientSizeCore\(int, int\)](#) , [Form.SetDesktopBounds\(int, int, int, int\)](#) ,
[Form.SetDesktopLocation\(int, int\)](#) , [Form.Show\(IWin32Window\)](#) , [Form.ShowDialog\(\)](#) ,
[Form.ShowDialog\(IWin32Window\)](#) , [Form.ToString\(\)](#) , [Form.UpdateDefaultButton\(\)](#) ,
[Form.OnResizeBeginEventArgs\)](#) , [Form.OnResizeEndEventArgs\)](#) ,
[Form.OnStyleChangedEventArgs\)](#) , [Form.ValidateChildren\(\)](#) ,
[Form.ValidateChildren\(ValidationConstraints\)](#) , [Form.WndProc\(ref Message\)](#) , [Form.AcceptButton](#) ,
[Form.ActiveForm](#) , [Form.ActiveMdiChild](#) , [Form.AllowTransparency](#) , [Form.AutoScroll](#) ,
[Form.AutoSize](#) , [Form.AutoSizeMode](#) , [Form.AutoValidate](#) , [Form.BackColor](#) ,
[Form.FormBorderStyle](#) , [Form.CancelButton](#) , [Form.ClientSize](#) , [Form.ControlBox](#) ,
[Form.CreateParams](#) , [Form.DefaultImeMode](#) , [Form.DefaultSize](#) , [Form.DesktopBounds](#) ,
[Form/DesktopLocation](#) , [Form.DialogResult](#) , [Form.HelpButton](#) , [Form.Icon](#) , [Form.IsMdiChild](#) ,
[Form.IsMdiContainer](#) , [Form.IsRestrictedWindow](#) , [Form.KeyPreview](#) , [Form.Location](#) ,
[Form.MaximizedBounds](#) , [Form.MaximumSize](#) , [Form.MainMenuStrip](#) , [Form.Menu](#) ,
[Form.MinimumSize](#) , [Form.MaximizeBox](#) , [Form.MdiChildren](#) , [Form.MdiParent](#) ,
[Form.MergedMenu](#) , [Form.MinimizeBox](#) , [Form.Modal](#) , [Form.Opacity](#) , [Form.OwnedForms](#) ,
[Form.Owner](#) , [Form.RestoreBounds](#) , [Form.RightToLeftLayout](#) , [Form.ShowInTaskbar](#) ,
[Form>ShowIcon](#) , [Form>ShowWithoutActivation](#) , [Form.Size](#) , [Form.SizeGripStyle](#) ,
[Form.StartPosition](#) , [Form.Text](#) , [Form.TopLevel](#) , [Form.TopMost](#) , [Form.TransparencyKey](#) ,
[Form.WindowState](#) , [Form.AutoSizeChanged](#) , [Form.AutoValidateChanged](#) ,
[Form.HelpButtonClicked](#) , [Form.MaximizedBoundsChanged](#) , [Form.MaximumSizeChanged](#) ,
[Form.MinimumSizeChanged](#) , [Form.Activated](#) , [Form.Deactivate](#) , [Form.FormClosing](#) ,
[Form.FormClosed](#) , [Form.Load](#) , [Form.MdiChildActivate](#) , [Form.MenuComplete](#) ,
[Form.MenuStart](#) , [Form.InputLanguageChanged](#) , [Form.InputLanguageChanging](#) ,
[Form.RightToLeftLayoutChanged](#) , [Form.Shown](#) , [Form.DpiChanged](#) , [Form.ResizeBegin](#) ,
[Form.ResizeEnd](#) , [ContainerControl.OnAutoValidateChangedEventArgs\)](#) ,
[ContainerControl.OnParentChangedEventArgs\)](#) , [ContainerControl.PerformLayout\(\)](#) ,
[ContainerControl.Validate\(\)](#) , [ContainerControl.Validate\(bool\)](#) ,
[ContainerControl.AutoScaleDimensions](#) , [ContainerControl.AutoScaleFactor](#) ,
[ContainerControl.AutoScaleMode](#) , [ContainerControl.BindingContext](#) ,
[ContainerControl.CanEnableIme](#) , [ContainerControl.ActiveControl](#) ,
[ContainerControl.CurrentAutoSizeDimensions](#) , [ContainerControl.ParentForm](#) ,
[ScrollableControl.ScrollStateAutoScrolling](#) , [ScrollableControl.ScrollStateHScrollVisible](#) ,
[ScrollableControl.ScrollStateVScrollVisible](#) , [ScrollableControl.ScrollStateUserHasScrolled](#) ,
[ScrollableControl.ScrollStateFullDrag](#) , [ScrollableControl.GetScrollState\(int\)](#) ,

[ScrollableControl.OnMouseWheel\(MouseEventArgs\)](#) ,
[ScrollableControl.OnRightToLeftChanged\(EventArgs\)](#) ,
[ScrollableControl.OnPaintBackground\(PaintEventArgs\)](#) ,
[ScrollableControl.OnPaddingChanged\(EventArgs\)](#) , [ScrollableControl.SetDisplayRectLocation\(int, int\)](#) ,
[ScrollableControl.ScrollControlIntoView\(Control\)](#) , [ScrollableControl.ScrollToControl\(Control\)](#) ,
[ScrollableControl.OnScroll\(ScrollEventArgs\)](#) , [ScrollableControl.SetAutoScrollMargin\(int, int\)](#) ,
[ScrollableControl.SetScrollState\(int, bool\)](#) , [ScrollableControl.AutoScrollMargin](#) ,
[ScrollableControl.AutoScrollPosition](#) , [ScrollableControl.AutoScrollMinSize](#) ,
[ScrollableControl.DisplayRectangle](#) , [ScrollableControl.HScroll](#) , [ScrollableControl.HorizontalScroll](#) ,
[ScrollableControl.VScroll](#) , [ScrollableControl.VerticalScroll](#) , [ScrollableControl.Scroll](#) ,
[Control.GetAccessibilityObjectById\(int\)](#) , [Control.SetAutoSizeMode\(AutoSizeMode\)](#) ,
[Control.GetAutoSizeMode\(\)](#) , [Control.GetPreferredSize\(Size\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int\)](#) ,
[Control.AccessibilityNotifyClients\(AccessibleEvents, int, int\)](#) , [Control.BeginInvoke\(Delegate\)](#) ,
[Control.BeginInvoke\(Delegate, params object\[\]\)](#) , [Control.BringToFront\(\)](#) ,
[Control.Contains\(Control\)](#) , [Control.CreateAccessibilityInstance\(\)](#) , [Control.CreateGraphics\(\)](#) ,
[Control.CreateControl\(\)](#) , [Control.DestroyHandle\(\)](#) , [Control.DoDragDrop\(object, DragDropEffects\)](#) ,
[Control.DrawToBitmap\(Bitmap, Rectangle\)](#) , [Control.EndInvoke\(IAsyncResult\)](#) , [Control.FindForm\(\)](#) ,
[Control.GetTopLevel\(\)](#) , [Control.RaiseKeyEvent\(object, KeyEventArgs\)](#) ,
[Control.RaiseMouseEvent\(object, MouseEventArgs\)](#) , [Control.Focus\(\)](#) ,
[Control.FromChildHandle\(IntPtr\)](#) , [Control.FromHandle\(IntPtr\)](#) ,
[Control.GetChildAtPoint\(Point, GetChildAtPointSkip\)](#) , [Control.GetChildAtPoint\(Point\)](#) ,
[Control.GetContainerControl\(\)](#) , [Control.GetNextControl\(Control, bool\)](#) ,
[Control.GetStyle\(ControlStyles\)](#) , [Control.Hide\(\)](#) , [Control.InitLayout\(\)](#) , [Control.Invalidate\(Region\)](#) ,
[Control.Invalidate\(Region, bool\)](#) , [Control.Invalidate\(\)](#) , [Control.Invalidate\(bool\)](#) ,
[Control.Invalidate\(Rectangle\)](#) , [Control.Invalidate\(Rectangle, bool\)](#) , [Control.Invoke\(Delegate\)](#) ,
[Control.Invoke\(Delegate, params object\[\]\)](#) , [Control.InvokePaint\(Control, PaintEventArgs\)](#) ,
[Control.InvokePaintBackground\(Control, PaintEventArgs\)](#) , [Control.IsKeyLocked\(Keys\)](#) ,
[Control.IsInputChar\(char\)](#) , [Control.IsInputKey\(Keys\)](#) , [Control.IsMnemonic\(char, string\)](#) ,
[Control.LogicalToDeviceUnits\(int\)](#) , [Control.LogicalToDeviceUnits\(Size\)](#) ,
[Control.ScaleBitmapLogicalToDevice\(ref Bitmap\)](#) , [Control.NotifyInvalidate\(Rectangle\)](#) ,
[Control.InvokeOnClick\(Control, EventArgs\)](#) , [Control.OnAutoSizeChanged\(EventArgs\)](#) ,
[Control.OnBackColorChanged\(EventArgs\)](#) , [Control.OnBindingContextChanged\(EventArgs\)](#) ,
[Control.OnCausesValidationChanged\(EventArgs\)](#) , [Control.OnContextMenuChanged\(EventArgs\)](#) ,
[Control.OnContextMenuStripChanged\(EventArgs\)](#) , [Control.OnCursorChanged\(EventArgs\)](#) ,
[Control.OnDockChanged\(EventArgs\)](#) , [Control.OnForeColorChanged\(EventArgs\)](#) ,
[Control.OnNotifyMessage\(Message\)](#) , [Control.OnParentBackColorChanged\(EventArgs\)](#) ,
[Control.OnParentBackgroundImageChanged\(EventArgs\)](#) ,
[Control.OnParentBindingContextChanged\(EventArgs\)](#) , [Control.OnParentCursorChanged\(EventArgs\)](#) ,
[Control.OnParentEnabledChanged\(EventArgs\)](#) , [Control.OnParentFontChanged\(EventArgs\)](#) ,

[Control.OnParentForeColorChanged\(EventArgs\)](#) , [Control.OnParentRightToLeftChanged\(EventArgs\)](#) ,
[Control.OnParentVisibleChanged\(EventArgs\)](#) , [Control.OnPrint\(PaintEventArgs\)](#) ,
[Control.OnTabIndexChanged\(EventArgs\)](#) , [Control.OnTabStopChanged\(EventArgs\)](#) ,
[Control.OnClick\(EventArgs\)](#) , [Control.OnClientSizeChanged\(EventArgs\)](#) ,
[Control.OnControlAdded\(ControlEventArgs\)](#) , [Control.OnControlRemoved\(ControlEventArgs\)](#) ,
[Control.OnLocationChanged\(EventArgs\)](#) , [Control.OnDoubleClick\(EventArgs\)](#) ,
[Control.OnDragEnter\(DragEventArgs\)](#) , [Control.OnDragOver\(DragEventArgs\)](#) ,
[Control.OnDragLeave\(EventArgs\)](#) , [Control.OnDragDrop\(DragEventArgs\)](#) ,
[Control.OnGiveFeedback\(GiveFeedbackEventArgs\)](#) , [Control.InvokeGotFocus\(Control, EventArgs\)](#) ,
[Control.OnGotFocus\(EventArgs\)](#) , [Control.OnHelpRequested\(HelpEventArgs\)](#) ,
[Control.OnInvalidate\(InvalidateEventArgs\)](#) , [Control.OnKeyDown\(KeyEventArgs\)](#) ,
[Control.OnKeyPress\(KeyPressEventArgs\)](#) , [Control.OnKeyUp\(KeyEventArgs\)](#) ,
[Control.OnLeave\(EventArgs\)](#) , [Control.InvokeLostFocus\(Control, EventArgs\)](#) ,
[Control.OnLostFocus\(EventArgs\)](#) , [Control.OnMarginChanged\(EventArgs\)](#) ,
[Control.OnMouseDoubleClick\(MouseEventArgs\)](#) , [Control.OnMouseClick\(MouseEventArgs\)](#) ,
[Control.OnMouseCaptureChanged\(EventArgs\)](#) , [Control.OnMouseDown\(MouseEventArgs\)](#) ,
[Control.OnMouseEnter\(EventArgs\)](#) , [Control.OnMouseLeave\(EventArgs\)](#) ,
[Control.OnDpiChangedBeforeParent\(EventArgs\)](#) , [Control.OnDpiChangedAfterParent\(EventArgs\)](#) ,
[Control.OnMouseHover\(EventArgs\)](#) , [Control.OnMouseMove\(MouseEventArgs\)](#) ,
[Control.OnMouseUp\(MouseEventArgs\)](#) , [Control.OnMove\(EventArgs\)](#) ,
[Control.OnQueryContinueDrag\(QueryContinueDragEventArgs\)](#) ,
[Control.OnRegionChanged\(EventArgs\)](#) , [Control.OnPreviewKeyDown\(PreviewKeyDownEventArgs\)](#) ,
[Control.OnSizeChanged\(EventArgs\)](#) , [Control.OnChangeUICues\(UICuesEventArgs\)](#) ,
[Control.OnSystemColorsChanged\(EventArgs\)](#) , [Control.OnValidating\(CancelEventArgs\)](#) ,
[Control.OnValidated\(EventArgs\)](#) , [Control.RescaleConstantsForDpi\(int, int\)](#) ,
[Control.PerformLayout\(\)](#) , [Control.PerformLayout\(Control, string\)](#) , [Control.PointToClient\(Point\)](#) ,
[Control.PointToScreen\(Point\)](#) , [Control.PreProcessMessage\(ref Message\)](#) ,
[Control.PreProcessControlMessage\(ref Message\)](#) , [Control.ProcessKeyEventArgs\(ref Message\)](#) ,
[Control.ProcessKeyMessage\(ref Message\)](#) , [Control.RaiseDragEvent\(object, DragEventArgs\)](#) ,
[Control.RaisePaintEvent\(object, PaintEventArgs\)](#) , [Control.RecreateHandle\(\)](#) ,
[Control.RectangleToClient\(Rectangle\)](#) , [Control.RectangleToScreen\(Rectangle\)](#) ,
[Control.ReflectMessage\(IntPtr, ref Message\)](#) , [Control.Refresh\(\)](#) , [Control.ResetMouseEventArgs\(\)](#) ,
[Control.ResetText\(\)](#) , [Control.ResumeLayout\(\)](#) , [Control.ResumeLayout\(bool\)](#) , [Control.Scale\(SizeF\)](#) ,
[Control.Select\(\)](#) , [Control.SelectNextControl\(Control, bool, bool, bool, bool\)](#) , [Control.SendToBack\(\)](#) ,
[Control.SetBounds\(int, int, int, int\)](#) , [Control.SetBounds\(int, int, int, int, BoundsSpecified\)](#) ,
[Control.SizeFromClientSize\(Size\)](#) , [Control.SetStyle\(ControlStyles, bool\)](#) , [Control.SetTopLevel\(bool\)](#) ,
[Control.RtlTranslateAlignment\(HorizontalAlignment\)](#) ,
[Control.RtlTranslateAlignment\(LeftRightAlignment\)](#) ,
[Control.RtlTranslateAlignment\(ContentAlignment\)](#) ,
[Control.RtlTranslateHorizontal\(HorizontalAlignment\)](#) ,

[Control.RtlTranslateLeftRight\(LeftRightAlignment\)](#) , [Control.RtlTranslateContent\(ContentAlignment\)](#) ,
[Control.Show\(\)](#) , [Control.SuspendLayout\(\)](#) , [Control.Update\(\)](#) , [Control.UpdateBounds\(\)](#) ,
[Control.UpdateBounds\(int, int, int, int\)](#) , [Control.UpdateBounds\(int, int, int, int, int, int\)](#) ,
[Control.UpdateZOrder\(\)](#) , [Control.UpdateStyles\(\)](#) , [Control.OnImeModeChanged\(EventArgs\)](#) ,
[Control.AccessibilityObject](#) , [Control.AccessibleDefaultActionDescription](#) ,
[Control.AccessibleDescription](#) , [Control.AccessibleName](#) , [Control.AccessibleRole](#) ,
[Control.AllowDrop](#) , [Control.Anchor](#) , [Control.AutoScrollOffset](#) , [Control.LayoutEngine](#) ,
[Control.BackgroundImage](#) , [Control.BackgroundImageLayout](#) , [Control.Bottom](#) , [Control.Bounds](#) ,
[Control.CanFocus](#) , [Control.CanRaiseEvents](#) , [Control.CanSelect](#) , [Control.Capture](#) ,
[Control.CausesValidation](#) , [Control.CheckForIllegalCrossThreadCalls](#) , [Control.ClientRectangle](#) ,
[Control.CompanyName](#) , [Control.ContainsFocus](#) , [Control.ContextMenu](#) ,
[Control.ContextMenuStrip](#) , [Control.Controls](#) , [Control.Created](#) , [Control.Cursor](#) ,
[Control.DataBindings](#) , [Control.DefaultBackColor](#) , [Control.DefaultCursor](#) , [Control.DefaultFont](#) ,
[Control.DefaultForeColor](#) , [Control.DefaultMargin](#) , [Control.DefaultMaximumSize](#) ,
[Control.DefaultMinimumSize](#) , [Control.DefaultPadding](#) , [Control.DeviceDpi](#) , [Control.IsDisposed](#) ,
[Control.Disposing](#) , [Control.Dock](#) , [Control.DoubleBuffered](#) , [Control.Enabled](#) , [Control.Focused](#) ,
[Control.Font](#) , [Control.FontHeight](#) , [Control.ForeColor](#) , [Control.Handle](#) , [Control.HasChildren](#) ,
[Control.Height](#) , [Control.IsHandleCreated](#) , [Control.InvokeRequired](#) , [Control.Accessible](#) ,
[Control.IsMirrored](#) , [Control.Left](#) , [Control.Margin](#) , [Control.ModifierKeys](#) ,
[Control.MouseButtons](#) , [Control.mousePosition](#) , [Control.Name](#) , [Control.Parent](#) ,
[Control.ProductName](#) , [Control.ProductVersion](#) , [Control.RecreatingHandle](#) , [Control.Region](#) ,
[Control.RenderRightToLeft](#) , [Control.ResizeRedraw](#) , [Control.Right](#) , [Control.RightToLeft](#) ,
[Control.ScaleChildren](#) , [Control.Site](#) , [Control.TabIndex](#) , [Control.TabStop](#) , [Control.Tag](#) ,
[Control.Top](#) , [Control.TopLevelControl](#) , [Control.ShowKeyboardCues](#) , [Control.ShowFocusCues](#) ,
[Control.UseWaitCursor](#) , [Control.Visible](#) , [Control.Width](#) , [Control.PreferredSize](#) ,
[Control.Padding](#) , [Control.ImeMode](#) , [Control.ImeModeBase](#) , [Control.PropagatingImeMode](#) ,
[Control.BackColorChanged](#) , [Control.BackgroundImageChanged](#) ,
[Control.BackgroundImageLayoutChanged](#) , [Control.BindingContextChanged](#) ,
[Control.CausesValidationChanged](#) , [Control.ClientSizeChanged](#) , [Control.ContextMenuChanged](#) ,
[Control.ContextMenuStripChanged](#) , [Control.CursorChanged](#) , [Control.DockChanged](#) ,
[Control.EnabledChanged](#) , [Control.FontChanged](#) , [Control.ForeColorChanged](#) ,
[Control.LocationChanged](#) , [Control.MarginChanged](#) , [Control.RegionChanged](#) ,
[Control.RightToLeftChanged](#) , [Control.SizeChanged](#) , [Control.TabIndexChanged](#) ,
[Control.TabStopChanged](#) , [Control.TextChanged](#) , [Control.VisibleChanged](#) , [Control.Click](#) ,
[Control.ControlAdded](#) , [Control.ControlRemoved](#) , [Control.DragDrop](#) , [Control.DragEnter](#) ,
[Control.DragOver](#) , [Control.DragLeave](#) , [Control.GiveFeedback](#) , [Control.HandleCreated](#) ,
[Control.HandleDestroyed](#) , [Control.HelpRequested](#) , [Control.Invalidate](#) ,
[Control.PaddingChanged](#) , [Control.Paint](#) , [Control.QueryContinueDrag](#) ,
[Control.QueryAccessibilityHelp](#) , [Control.DoubleClick](#) , [Control.Enter](#) , [Control.GotFocus](#) ,
[Control.KeyDown](#) , [Control.KeyPress](#) , [Control.KeyUp](#) , [Control.Layout](#) , [Control.Leave](#) ,

[Control.LostFocus](#) , [Control.MouseClick](#) , [Control.MouseDoubleClick](#) ,
[Control.MouseCaptureChanged](#) , [Control.MouseDown](#) , [Control.MouseEnter](#) ,
[Control.MouseLeave](#) , [Control.DpiChangedBeforeParent](#) , [Control.DpiChangedAfterParent](#) ,
[Control.MouseHover](#) , [Control.MouseMove](#) , [Control.MouseUp](#) , [Control.MouseWheel](#) ,
[Control.Move](#) , [Control.PreviewKeyDown](#) , [Control.Resize](#) , [Control.ChangeUICTes](#) ,
[Control.StyleChanged](#) , [Control.SystemColorsChanged](#) , [Control.Validating](#) , [Control.Validated](#) ,
[Control.ParentChanged](#) , [Control.ImeModeChanged](#) , [Component.Dispose\(\)](#) ,
[Component.GetService\(Type\)](#) , [Component.Events](#) , [Component.Container](#) ,
[Component.DesignMode](#) , [Component.Disposed](#) , [MarshalByRefObject.MemberwiseClone\(bool\)](#) ,
[MarshalByRefObject.GetLifetimeService\(\)](#) , [MarshalByRefObject.InitializeLifetimeService\(\)](#) ,
[MarshalByRefObject.CreateObjRef\(Type\)](#) , [object.Equals\(object\)](#) , [object.Equals\(object, object\)](#) ,
[object.ReferenceEquals\(object, object\)](#) , [object.GetHashCode\(\)](#) , [object.GetType\(\)](#) ,
[object.MemberwiseClone\(\)](#)

Constructors

ReceptionistDashboard()

```
public ReceptionistDashboard()
```

Fields

lblLogout

```
public Label lblLogout
```

Field Value

[Label](#)

Methods

Dispose(bool)

Clean up any resources being used.

```
protected override void Dispose(bool disposing)
```

Parameters

disposing [bool](#)

true if managed resources should be disposed; otherwise, false.

OnFormClosing(FormClosingEventArgs)

Cleanup resources on form closing

```
protected override void OnFormClosing(FormClosingEventArgs e)
```

Parameters

e [FormClosingEventArgs](#)

Class ReportsController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the Reports panel

```
public class ReportsController : IPanelController
```

Inheritance

[object](#) ← ReportsController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

ReportsController(Panel)

```
public ReportsController(Panel panel)
```

Parameters

panel [Panel](#)

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleanup resources when the panel is disposed

```
public void Cleanup()
```

Initialize()

Initialize the panel and its controls

```
public void Initialize()
```

OnHide()

Called when the panel is hidden

```
public void OnHide()
```

OnShow()

Called when the panel becomes visible

```
public void OnShow()
```

Class SchedulingController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the Doctor Scheduling panel

```
public class SchedulingController : IPanelController
```

Inheritance

[object](#) ← SchedulingController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

SchedulingController(Panel)

Initializes a new instance of the SchedulingController class.

```
public SchedulingController(Panel panel)
```

Parameters

panel [Panel](#)

The panel to control.

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleans up resources.

```
public void Cleanup()
```

Initialize()

Initializes the controller.

```
public void Initialize()
```

OnHide()

Called when the panel is hidden.

```
public void OnHide()
```

OnShow()

Called when the panel is shown.

```
public void OnShow()
```

RefreshSchedulingListViews()

Refresh the scheduling list views to adapt to window size changes

```
public void RefreshSchedulingListViews()
```

Class UserManagementController

Namespace: [ClinicManagement_proj.UI](#)

Assembly: ClinicManagement_proj.dll

Controller for the User Management panel

```
public class UserManagementController : IPanelController
```

Inheritance

[object](#) ← UserManagementController

Implements

[IPanelController](#)

Inherited Members

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

Constructors

UserManagementController(Panel)

```
public UserManagementController(Panel panel)
```

Parameters

panel [Panel](#)

Properties

Panel

The panel managed by this controller

```
public Panel Panel { get; }
```

Property Value

[Panel](#) ↗

Methods

Cleanup()

Cleanup resources when the panel is disposed

```
public void Cleanup()
```

Initialize()

Initialize the panel and its controls

```
public void Initialize()
```

OnHide()

Called when the panel is hidden

```
public void OnHide()
```

OnShow()

Called when the panel becomes visible

```
public void OnShow()
```