DotnetIdentity

Generated by Doxygen 1.9.4

1	Todo List	1
2	Namespace Index	3
	2.1 Namespace List	3
3	Hierarchical Index	5
	3.1 Class Hierarchy	5
4	Class Index	7
	4.1 Class List	7
5	Namespace Documentation	11
	5.1 DotNetIdentity Namespace Reference	11
	5.2 DotNetIdentity.Controllers Namespace Reference	11
	5.3 DotNetIdentity.Data Namespace Reference	11
	5.4 DotNetIdentity.Helpers Namespace Reference	12
	5.5 DotNetIdentity.Helpers.TagHelpers Namespace Reference	12
	5.6 DotNetIdentity.IdentitySettings Namespace Reference	12
	5.7 DotNetIdentity.IdentitySettings.Requirements Namespace Reference	12
	5.8 DotNetIdentity.IdentitySettings.Validators Namespace Reference	13
	5.9 DotNetIdentity.Models Namespace Reference	13
	5.9.1 Enumeration Type Documentation	13
	5.9.1.1 Department	13
	5.9.1.2 Gender	13
	5.9.1.3 TwoFactorType	15
	5.10 DotNetIdentity.Models.BusinessModels Namespace Reference	15
	5.11 DotNetIdentity.Models.DataModels Namespace Reference	
	5.12 DotNetIdentity.Models.Identity Namespace Reference	
	5.13 DotNetIdentity.Models.ViewModels Namespace Reference	16
	5.14 DotNetIdentity.Services Namespace Reference	17
	5.15 DotNetIdentity.Services.SettingsService Namespace Reference	
6	Class Documentation	19
	6.1 DotNetIdentity.Controllers.AdminController Class Reference	19
	6.1.1 Detailed Description	20
	6.1.2 Constructor & Destructor Documentation	20
	6.1.2.1 AdminController()	21
	6.1.3 Member Function Documentation	
	6.1.3.1 AuditLogs()	21
	6.1.3.2 DeleteRole()	
	6.1.3.3 DeleteUser()	
	6.1.3.4 DisableLdapLogin()	
	6.1.3.5 DisableMfaForce()	
	6.1.3.6 DisableUser()	
	v	

6.1.3./ EditUser() [1/2]	 . 24
6.1.3.8 EditUser() [2/2]	 . 26
6.1.3.9 EnableLdapLogin()	 . 26
6.1.3.10 EnableMfaForce()	 . 27
6.1.3.11 EnableUser()	 . 27
6.1.3.12 ErrorLogs()	 . 28
6.1.3.13 GetAppLogs()	 . 28
6.1.3.14 GetAuditLogs()	 . 29
6.1.3.15 GetErrorLogs()	 . 29
6.1.3.16 GetUsers()	 . 30
6.1.3.17 Index()	 . 30
6.1.3.18 NewUser() [1/2]	 . 30
6.1.3.19 NewUser() [2/2]	 . 30
6.1.3.20 Roles()	 . 32
6.1.3.21 SystemLogs()	 . 32
6.1.3.22 UpsertRole() [1/2]	 . 32
6.1.3.23 UpsertRole() [2/2]	 . 33
6.1.3.24 Users()	 . 33
6.2 DotNetIdentity.Data.AppDbContext Class Reference	 . 34
6.2.1 Detailed Description	 . 34
6.2.2 Constructor & Destructor Documentation	 . 35
6.2.2.1 AppDbContext()	 . 35
6.2.3 Member Function Documentation	 . 35
6.2.3.1 OnModelCreating()	 . 35
6.2.4 Property Documentation	 . 36
6.2.4.1 AppLogs	 . 36
6.2.4.2 AppSessionCache	 . 37
6.2.4.3 AppSettings	 . 37
6.3 DotNetIdentity.Models.DataModels.ApplicationSettings Class Reference	 . 37
6.3.1 Detailed Description	 . 37
6.3.2 Property Documentation	 . 38
6.3.2.1 Name	 . 38
6.3.2.2 Type	 . 38
6.3.2.3 Value	 . 38
6.4 DotNetIdentity.Models.DataModels.AppLogs Class Reference	 . 38
6.4.1 Detailed Description	 . 39
6.4.2 Property Documentation	 . 39
6.4.2.1 Exception	 . 39
6.4.2.2 id	 . 39
6.4.2.3 Level	 . 40
6.4.2.4 Message	 . 40
6.4.2.5 MessageTemplate	 . 40

6.4.2.6 Properties	40
6.4.2.7 Timestamp	41
6.5 DotNetIdentity.Models.Identity.AppRole Class Reference	41
6.5.1 Detailed Description	41
6.5.2 Property Documentation	41
6.5.2.1 CreatedOn	42
6.6 DotNetIdentity.Services.SettingsService.AppSettingsBase Class Reference	42
6.6.1 Detailed Description	42
6.6.2 Constructor & Destructor Documentation	42
6.6.2.1 AppSettingsBase()	43
6.6.3 Member Function Documentation	43
6.6.3.1 Load()	43
6.6.3.2 Save()	43
6.7 DotNetIdentity.Models.Identity.AppUser Class Reference	44
6.7.1 Detailed Description	45
6.7.2 Property Documentation	45
6.7.2.1 BirthDay	45
6.7.2.2 CreatedOn	46
6.7.2.3 Department	46
6.7.2.4 FirstName	46
6.7.2.5 Gender	46
6.7.2.6 IsEnabled	47
6.7.2.7 IsLdapLogin	47
6.7.2.8 IsMfaForce	47
6.7.2.9 LastName	47
6.7.2.10 ProfilePicture	48
6.7.2.11 RolesCombined	48
6.7.2.12 TwoFactorType	48
6.8 DotNetIdentity.Models.ViewModels.AssignRoleViewModel Class Reference	48
6.8.1 Detailed Description	49
6.8.2 Property Documentation	49
6.8.2.1 IsAssigned	49
6.8.2.2 Roleld	49
6.8.2.3 RoleName	49
6.9 DotNetIdentity.Models.ViewModels.ChangePasswordViewModel Class Reference	50
6.9.1 Detailed Description	50
6.9.2 Property Documentation	50
6.9.2.1 NewPassword	50
6.9.2.2 NewPasswordConfirm	50
6.9.2.3 Password	51
6.10 DotNetIdentity.Controllers.ClaimBasedController Class Reference	51
6.10.1 Detailed Description	52

6.10.2 Member Function Documentation	52
6.10.2.1 Employee()	52
6.10.2.2 FreeTrial()	52
6.10.2.3 HR()	52
6.10.2.4 Software()	53
6.10.2.5 Violence()	53
6.11 DotNetIdentity.IdentitySettings.ClaimsTransformation Class Reference	53
6.11.1 Detailed Description	54
6.11.2 Constructor & Destructor Documentation	54
6.11.2.1 ClaimsTransformation()	54
6.11.3 Member Function Documentation	54
6.11.3.1 TransformAsync()	54
6.12 DotNetIdentity.Controllers.CultureController Class Reference	55
6.12.1 Detailed Description	56
6.12.2 Member Function Documentation	56
6.12.2.1 SetCulture()	56
6.13 DotNetIdentity.Models.ViewModels.EditUserViewModel Class Reference	57
6.13.1 Detailed Description	57
6.13.2 Property Documentation	57
6.13.2.1 Department	58
6.13.2.2 Email	58
6.13.2.3 FirstName	58
6.13.2.4 Gender	58
6.13.2.5 ld	59
6.13.2.6 LastName	59
6.13.2.7 PhoneNumber	59
6.13.2.8 Roles	59
6.13.2.9 UserName	60
6.14 DotNetIdentity.Helpers.EmailHelper Class Reference	60
6.14.1 Detailed Description	60
6.14.2 Constructor & Destructor Documentation	60
6.14.2.1 EmailHelper()	60
6.14.3 Member Function Documentation	61
6.14.3.1 SendAsync()	61
6.15 DotNetIdentity.Models.BusinessModels.EmailModel Class Reference	61
6.15.1 Detailed Description	62
6.15.2 Property Documentation	62
6.15.2.1 Body	62
6.15.2.2 Subject	62
6.15.2.3 To	63
6.16 DotNetIdentity.IdentitySettings.ErrorDescriber Class Reference	63
6.16.1 Detailed Description	63

6.16.2 Member Function Documentation	64
6.16.2.1 PasswordContainsUsername()	64
6.16.2.2 UserNameContainsEmail()	64
6.16.2.3 UserNameLength()	64
6.17 DotNetIdentity.Controllers.ErrorsController Class Reference	65
6.17.1 Detailed Description	65
6.17.2 Member Function Documentation	65
6.17.2.1 ErrorCd()	65
6.17.2.2 ErrorEx()	66
6.18 DotNetIdentity.Models.ViewModels.ErrorViewModel Class Reference	67
6.18.1 Detailed Description	67
6.18.2 Property Documentation	67
6.18.2.1 RequestId	67
6.18.2.2 ShowRequestId	68
6.19 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel Class Reference	68
6.19.1 Detailed Description	68
6.19.2 Property Documentation	68
6.19.2.1 Email	68
6.20 DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireHandler Class Reference	69
6.20.1 Detailed Description	69
6.20.2 Member Function Documentation	69
6.20.2.1 HandleRequirementAsync()	69
6.21 DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireRequirement Class Reference	70
6.21.1 Detailed Description	70
6.22 DotNetIdentity.Models.BusinessModels.GlobalSettings Class Reference	71
6.22.1 Detailed Description	71
6.22.2 Property Documentation	71
6.22.2.1 ApplicationName	72
6.22.2.2 SessionCookieExpiration	72
6.22.2.3 SessionTimeoutRedirAfter	72
6.22.2.4 SessionTimeoutWarnAfter	72
6.23 DotNetIdentity.Controllers.HomeController Class Reference	73
6.23.1 Detailed Description	73
6.23.2 Constructor & Destructor Documentation	73
6.23.2.1 HomeController()	73
6.23.3 Member Function Documentation	74
6.23.3.1 AccessDenied()	74
6.23.3.2 Index()	74
6.24 DotNetIdentity.Services.SettingsService.ISettingsService Interface Reference	74
6.24.1 Detailed Description	75
6.24.2 Member Function Documentation	75
6.24.2.1 Save()	75

6.24.3 Property Documentation	75
6.24.3.1 Global	75
6.24.3.2 Ldap	76
6.24.3.3 Mail	76
6.25 DotNetIdentity.Models.BusinessModels.LdapSettings Class Reference	76
6.25.1 Detailed Description	77
6.25.2 Property Documentation	77
6.25.2.1 LdapBaseDn	77
6.25.2.2 LdapDomainController	77
6.25.2.3 LdapDomainName	78
6.25.2.4 LdapEnabled	78
6.25.2.5 LdapGroup	78
6.26 DotNetIdentity.Models.BusinessModels.MailSettings Class Reference	79
6.26.1 Detailed Description	79
6.26.2 Property Documentation	79
6.26.2.1 Password	80
6.26.2.2 SmtpFromAddress	80
6.26.2.3 SmtpPort	80
6.26.2.4 SmtpServer	80
6.26.2.5 SmtpUseTls	81
6.26.2.6 Username	81
6.27 DotNetIdentity.IdentitySettings.Requirements.MinimumAgeHandler Class Reference	81
6.27.1 Detailed Description	82
6.27.2 Member Function Documentation	82
6.27.2.1 HandleRequirementAsync()	82
6.28 DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement Class Reference	83
6.28.1 Detailed Description	83
6.28.2 Constructor & Destructor Documentation	83
6.28.2.1 MinimumAgeRequirement()	83
6.28.3 Property Documentation	84
6.28.3.1 MinimumAge	84
6.29 DotNetIdentity.Models.ViewModels.NewUserModel Class Reference	84
6.29.1 Detailed Description	85
6.29.2 Property Documentation	85
6.29.2.1 Department	85
6.29.2.2 Email	85
6.29.2.3 FirstName	85
6.29.2.4 Gender	86
6.29.2.5 IsLdapLogin	86
6.29.2.6 IsMfaForce	86
6.29.2.7 LastName	86
6.29.2.8 Password	87

6.29.2.9 Roles	87
6.29.2.10 UserName	87
6.30 DotNetIdentity.IdentitySettings.Validators.PasswordValidator Class Reference	88
6.30.1 Detailed Description	88
6.30.2 Member Function Documentation	88
6.30.2.1 ValidateAsync()	88
6.31 DotNetIdentity.Models.ViewModels.ResetPasswordViewModel Class Reference	89
6.31.1 Detailed Description	90
6.31.2 Property Documentation	90
6.31.2.1 Password	90
6.31.2.2 Token	90
6.31.2.3 Userld	90
6.32 DotNetIdentity.Controllers.RoleBasedController Class Reference	91
6.32.1 Detailed Description	91
6.32.2 Member Function Documentation	91
6.32.2.1 Articles()	91
6.32.2.2 Dashboard()	92
6.32.2.3 Profile()	92
6.32.2.4 Users()	92
6.33 DotNetIdentity.Models.DataModels.SessionCache Class Reference	92
6.33.1 Detailed Description	93
6.33.2 Property Documentation	93
6.33.2.1 AbsoluteExpiration	93
6.33.2.2 ExpiresAtTime	93
6.33.2.3 id	93
6.33.2.4 SlidingExpirationInSeconds	94
6.33.2.5 Value	94
6.34 DotNetIdentity.Controllers.SettingsController Class Reference	94
6.34.1 Detailed Description	95
6.34.2 Constructor & Destructor Documentation	95
6.34.2.1 SettingsController()	95
6.34.3 Member Function Documentation	96
6.34.3.1 SettingsApp()	96
6.34.3.2 SettingsLdap() [1/2]	96
6.34.3.3 SettingsLdap() [2/2]	96
6.34.3.4 SettingsMail() [1/3]	97
6.34.3.5 SettingsMail() [2/3]	97
6.34.3.6 SettingsMail() [3/3]	98
6.35 DotNetIdentity.Services.SettingsService.SettingsService Class Reference	98
6.35.1 Detailed Description	99
6.35.2 Constructor & Destructor Documentation	99
6.35.2.1 SattingsService()	gg

6.35.3 Member Function Documentation	100
6.35.3.1 Save()	100
6.35.4 Property Documentation	100
6.35.4.1 Global	100
6.35.4.2 Ldap	101
6.35.4.3 Mail	101
6.36 DotNetIdentity.Models.ViewModels.SignInViewModel Class Reference	101
6.36.1 Detailed Description	101
6.36.2 Property Documentation	101
6.36.2.1 Password	102
6.36.2.2 RememberMe	102
6.36.2.3 UserName	102
6.37 DotNetIdentity.Models.ViewModels.SignUpViewModel Class Reference	102
6.37.1 Detailed Description	103
6.37.2 Property Documentation	103
6.37.2.1 BirthDay	103
6.37.2.2 Department	104
6.37.2.3 Email	104
6.37.2.4 FirstName	104
6.37.2.5 Gender	104
6.37.2.6 LastName	105
6.37.2.7 Password	105
6.37.2.8 UserName	105
6.38 DotNetIdentity.Models.ViewModels.StatusCodesModel Class Reference	105
6.38.1 Detailed Description	106
6.38.2 Property Documentation	106
6.38.2.1 ErrorMessage	106
6.38.2.2 RouteOfException	106
6.38.2.3 StatusCode	107
6.39 DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService Class Reference	107
6.39.1 Detailed Description	107
6.39.2 Constructor & Destructor Documentation	107
6.39.2.1 TwoFactorAuthenticationService()	107
6.39.3 Member Function Documentation	108
6.39.3.1 GenerateQrCodeUri()	108
$6.40\ Dot Net Identity. Models. View Models. Two Factor Authenticator View Model\ Class\ Reference\ .\ .\ .\ .\ .$	108
6.40.1 Detailed Description	109
6.40.2 Property Documentation	109
6.40.2.1 AuthenticationUri	109
6.40.2.2 SharedKey	109
6.40.2.3 VerificationCode	109
6.41 DotNetIdentity Models ViewModels TwoFactorI oginVieWModel Class Reference	110

6.41.1 Detailed Description	110
6.41.2 Property Documentation	110
6.41.2.1 IsRecoveryCode	110
6.41.2.2 TwoFactorType	110
6.41.2.3 VerificationCode	111
6.42 DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModel Class Reference	111
6.42.1 Detailed Description	111
6.42.2 Property Documentation	111
6.42.2.1 TwoFactorType	111
6.43 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel Class Reference	112
6.43.1 Detailed Description	112
6.43.2 Property Documentation	112
6.43.2.1 BirthDay	112
6.43.2.2 Email	113
6.43.2.3 Gender	113
6.43.2.4 PhoneNumber	113
6.43.2.5 ProfilePicture	113
6.43.2.6 UserName	114
6.44 DotNetIdentity.Models.ViewModels.UpsertRoleViewModel Class Reference	114
6.44.1 Detailed Description	114
6.44.2 Property Documentation	114
6.44.2.1 ld	114
6.44.2.2 Name	115
6.45 DotNetIdentity.Controllers.UserController Class Reference	115
6.45.1 Detailed Description	116
6.45.2 Constructor & Destructor Documentation	116
6.45.2.1 UserController()	117
6.45.3 Member Function Documentation	117
6.45.3.1 ChangePassword() [1/2]	117
6.45.3.2 ChangePassword() [2/2]	117
6.45.3.3 ConfirmEmail()	118
6.45.3.4 debugUserInfo()	119
6.45.3.5 EnforceTwoFactorAuthenticator() [1/2]	119
6.45.3.6 EnforceTwoFactorAuthenticator() [2/2]	120
6.45.3.7 EnforceTwoFactorResult()	120
6.45.3.8 ForgotPassword() [1/2]	121
6.45.3.9 ForgotPassword() [2/2]	121
6.45.3.10 Login() [1/2]	122
6.45.3.11 Login() [2/2]	123
6.45.3.12 Logout()	123
6.45.3.13 ping()	124
6.45.3.14 Profile() [1/2]	124

Index

6.45.3.15 Profile() [2/2]	24
6.45.3.16 Register() [1/2]	25
6.45.3.17 Register() [2/2]	26
6.45.3.18 ResetPassword() [1/2]	27
6.45.3.19 ResetPassword() [2/2]	27
6.45.3.20 TwoFactorAuthenticator() [1/2]	28
6.45.3.21 TwoFactorAuthenticator() [2/2]	28
6.45.3.22 TwoFactorLogin() [1/2]	29
6.45.3.23 TwoFactorLogin() [2/2]	30
6.45.3.24 TwoFactorType() [1/2]	31
6.45.3.25 TwoFactorType() [2/2]	31
6.46 DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper Class Reference	32
6.46.1 Detailed Description	32
6.46.2 Constructor & Destructor Documentation	32
6.46.2.1 UserProfileImageTagHelper()	32
6.46.3 Member Function Documentation	33
6.46.3.1 ProcessAsync()	33
6.46.4 Property Documentation	33
6.46.4.1 Userld	34
6.47 DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper Class Reference	34
6.47.1 Detailed Description	34
6.47.2 Constructor & Destructor Documentation	35
6.47.2.1 UserRolesTagHelper()	35
6.47.3 Member Function Documentation	35
6.47.3.1 ProcessAsync()	35
6.47.4 Property Documentation	36
6.47.4.1 Userld	36
6.48 DotNetIdentity.IdentitySettings.Validators.UserValidator Class Reference	36
6.48.1 Detailed Description	37
6.48.2 Member Function Documentation	37
6.48.2.1 ValidateAsync()	37

139

Todo List

Class DotNetIdentity.Controllers.ErrorsController

add translation

 ${\bf Class\ Dot Net Identity. Controllers. Settings Controller}$

add translation

 ${\bf Member\ Dot NetIdentity. Controllers. User Controller. Login\ (SignInView Model\ view Model)}$

Implement Ldap Login

2 Todo List

Namespace Index

2.1 Namespace List

Here is a list of all documented namespaces with brief descriptions:

DotNetIdentity	11
DotNetIdentity.Controllers	11
DotNetIdentity.Data	11
DotNetIdentity.Helpers	12
DotNetIdentity.Helpers.TagHelpers	12
DotNetIdentity.IdentitySettings	12
DotNetIdentity.IdentitySettings.Requirements	12
DotNetIdentity.IdentitySettings.Validators	13
DotNetIdentity.Models	13
DotNetIdentity.Models.BusinessModels	15
DotNetIdentity.Models.DataModels	15
DotNetIdentity.Models.Identity	16
DotNetIdentity.Models.ViewModels	16
DotNetIdentity.Services	17
DotNetIdentity.Services.SettingsService	17

4 Namespace Index

Hierarchical Index

3.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

DotNetIdentity.Models.DataModels.ApplicationSettings	37
DotNetIdentity.Models.DataModels.AppLogs	38
AppSettingsBase	
DotNetIdentity.Models.BusinessModels.LdapSettings	76
DotNetIdentity.Services.SettingsService.AppSettingsBase	12
DotNetIdentity.Models.BusinessModels.GlobalSettings	71
DotNetIdentity.Models.BusinessModels.MailSettings	79
DotNetIdentity.Models.ViewModels.AssignRoleViewModel	18
AuthorizationHandler	
DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireHandler	39
DotNetIdentity.IdentitySettings.Requirements.MinimumAgeHandler	31
DotNetIdentity.Models.ViewModels.ChangePasswordViewModel	50
Controller	
DotNetIdentity.Controllers.AdminController	
DotNetIdentity.Controllers.ClaimBasedController	51
DotNetIdentity.Controllers.CultureController	55
DotNetIdentity.Controllers.ErrorsController	
DotNetIdentity.Controllers.HomeController	
DotNetIdentity.Controllers.RoleBasedController	
DotNetIdentity.Controllers.SettingsController	
DotNetIdentity.Controllers.UserController	5
DotNetIdentity.Models.ViewModels.EditUserViewModel	57
	60
DotNetIdentity.Models.BusinessModels.EmailModel	31
DotNetIdentity.Models.ViewModels.ErrorViewModel	37
DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel	8
IAuthorizationRequirement	
DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireRequirement	
DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement	33
IClaimsTransformation	
DotNetIdentity.IdentitySettings.ClaimsTransformation	53
IdentityDbContext	
DotNetIdentity.Data.AppDbContext	34
IdentityErrorDescriber	
DotNetIdentity.IdentitySettings.ErrorDescriber	33

6 Hierarchical Index

IdentityRole	
DotNetIdentity.Models.Identity.AppRole	41
IdentityUser	
DotNetIdentity.Models.Identity.AppUser	44
IPasswordValidator	
DotNetIdentity.IdentitySettings.Validators.PasswordValidator	38
DotNetIdentity.Services.SettingsService.ISettingsService	74
DotNetIdentity.Services.SettingsService.SettingsService	98
IUserValidator	
DotNetIdentity.IdentitySettings.Validators.UserValidator	36
DotNetIdentity.Models.ViewModels.NewUserModel	34
DotNetIdentity.Models.ViewModels.ResetPasswordViewModel	39
DotNetIdentity.Models.DataModels.SessionCache	92
DotNetIdentity.Models.ViewModels.SignInViewModel) 1
DotNetIdentity.Models.ViewModels.SignUpViewModel	ງ2
DotNetIdentity.Models.ViewModels.StatusCodesModel)5
TagHelper	
DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper	32
DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper	34
DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService)7
DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModel	38
DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel	10
DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModel	11
DotNetIdentity.Models.ViewModels.UpdateProfileViewModel	12
DotNetIdentity Models ViewModels UnsertRoleViewModel	14

Class Index

4.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

DotNetIdentity.Controllers.AdminController	
Controller Class for Admin views	19
DotNetIdentity.Data.AppDbContext	
Application Database context class	34
DotNetIdentity.Models.DataModels.ApplicationSettings	
class define an Settings object	37
DotNetIdentity.Models.DataModels.AppLogs	
class to define ann Log object	38
DotNetIdentity.Models.Identity.AppRole	
class to define a role object	41
DotNetIdentity.Services.SettingsService.AppSettingsBase	
base class for Settings classes	42
DotNetIdentity.Models.Identity.AppUser	
class to define a user object	44
DotNetIdentity.Models.ViewModels.AssignRoleViewModel	
model for UserEditView	48
DotNetIdentity.Models.ViewModels.ChangePasswordViewModel	
model for ChangePassword view	50
DotNetIdentity.Controllers.ClaimBasedController	
Controller to test ClaimBased Authorization	51
DotNetIdentity.IdentitySettings.ClaimsTransformation	
class to define own claims	53
DotNetIdentity.Controllers.CultureController	
controller for culture settings	55
DotNetIdentity.Models.ViewModels.EditUserViewModel	
model for EditUser view	57
DotNetIdentity.Helpers.EmailHelper	
class for email methods	60
DotNetIdentity.Models.BusinessModels.EmailModel	
class to define a email	61
DotNetIdentity.IdentitySettings.ErrorDescriber	
class to override IdentityErrorDescriber IdentotyError messages	63
DotNetIdentity.Controllers.ErrorsController	
Controller for error views	65
DotNetIdentity.Models.ViewModels.ErrorViewModel	
model for displaying errors	67

8 Class Index

DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel	
model for ForgotPassword view	68
DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireHandler	
class to define own Identity requirements type of FreeTrialExpireRequirement	69
DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireRequirement	
class to define own Identity requirements type of IAuthorizationRequirement	70
DotNetIdentity.Models.BusinessModels.GlobalSettings	
class to define a global settings object	71
DotNetIdentity.Controllers.HomeController	
Controller for Home views	73
DotNetIdentity.Services.SettingsService.ISettingsService	
Interface class for SettingsService	74
DotNetIdentity.Models.BusinessModels.LdapSettings	
class to define Idap settings	76
DotNetIdentity.Models.BusinessModels.MailSettings	
class to define a ail settings object	79
DotNetIdentity.IdentitySettings.Requirements.MinimumAgeHandler	
class implementing AuthorizationHandler of type MinimumAgeRequirement	81
DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement	
class to define own Identity requirements type of IAuthorizationRequirement	83
DotNetIdentity.Models.ViewModels.NewUserModel	
model for NewUser view	84
DotNetIdentitySettings.Validators.PasswordValidator	-00
class to validate a password	88
DotNetIdentity.Models.ViewModels.ResetPasswordViewModel	-00
model for ResetPassword view	89
DotNetIdentity.Controllers.RoleBasedController	0.4
Controller to test RoleBased Authorization	91
DotNetIdentity.Models.DataModels.SessionCache	00
class to define a SessionCache object	92
DotNetIdentity.Controllers.SettingsController	0.4
controller class for settings views	94
DotNetIdentity.Services.SettingsService.SettingsService class for settings service	98
DotNetIdentity.Models.ViewModels.SignInViewModel	90
	101
DotNetIdentity.Models.ViewModels.SignUpViewModel	101
	102
DotNetIdentity.Models.ViewModels.StatusCodesModel	102
•	105
DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService	100
	107
DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModel	
	108
DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel	
	110
DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModel	
	111
DotNetIdentity.Models.ViewModels.UpdateProfileViewModel	
model for UpdateProfile view	112
DotNetIdentity.Models.ViewModels.UpsertRoleViewModel	
model for the UpsertRole view	114
DotNetIdentity.Controllers.UserController	
Controller Class for User views	115
DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper	
html taghelper class	132
DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper	
html tag helper class	134

4.1 Class List 9 10 Class Index

Namespace Documentation

5.1 DotNetIdentity Namespace Reference

5.2 DotNetIdentity.Controllers Namespace Reference

Classes

class AdminController

Controller Class for Admin views

· class ClaimBasedController

Controller to test ClaimBased Authorization

class CultureController

controller for culture settings

• class ErrorsController

Controller for error views

class HomeController

Controller for Home views

• class RoleBasedController

Controller to test RoleBased Authorization

class SettingsController

controller class for settings views

· class UserController

Controller Class for User views

5.3 DotNetIdentity.Data Namespace Reference

Classes

class AppDbContext

Application Database context class

5.4 DotNetIdentity.Helpers Namespace Reference

Classes

· class EmailHelper

class for email methods

5.5 DotNetIdentity.Helpers.TagHelpers Namespace Reference

Classes

· class UserProfileImageTagHelper

html taghelper class

· class UserRolesTagHelper

html tag helper class

5.6 DotNetIdentity.IdentitySettings Namespace Reference

Classes

· class ClaimsTransformation

class to define own claims

· class ErrorDescriber

class to override IdentityErrorDescriber IdentotyError messages

· class TwoFactorAuthenticationService

class providing 2fa auth services

5.7 DotNetIdentity.IdentitySettings.Requirements Namespace Reference

Classes

class FreeTrialExpireHandler

class to define own Identity requirements type of FreeTrialExpireRequirement

· class FreeTrialExpireRequirement

class to define own Identity requirements type of IAuthorizationRequirement

class MinimumAgeHandler

 ${\it class implementing Authorization Handler of type {\it Minimum Age Requirement}}$

· class MinimumAgeRequirement

class to define own Identity requirements type of IAuthorizationRequirement

5.8 DotNetIdentity.IdentitySettings.Validators Namespace Reference

Classes

· class PasswordValidator

class to validate a password

· class UserValidator

class to validate IdentityUser

5.9 DotNetIdentity.Models Namespace Reference

Enumerations

```
    enum Gender { Unknown , Male , Female }
        Gender enum
    enum Department { Software , HR , Accounting , Management }
        Department enum
    enum TwoFactorType { None , Email , Authenticator }
```

5.9.1 Enumeration Type Documentation

TwoFactorType enum

5.9.1.1 Department

```
enum DotNetIdentity.Models.Department
```

Department enum

Enumerator

Software summary>Department Softwaresummary>Department	
HR	summary>Department Accounting
Accounting	summary>Department Management

Definition at line 16 of file Enums.cs.

```
00016 {
00018 Software,
00020 HR,
00022 Accounting,
00024 Management }
```

5.9.1.2 Gender

enum DotNetIdentity.Models.Gender

Gender enum

Enumerator

Unknown	summary>gender unknownsummary>gender male	
Male	summary>gender female	

Definition at line 6 of file Enums.cs.

```
00006 {
00008 Unknown,
00010 Male,
00012 Female }
```

5.9.1.3 TwoFactorType

```
enum DotNetIdentity.Models.TwoFactorType
```

TwoFactorType enum

Enumerator

None summary>2fa type nonesummary>2fa type Email summary>2fa type Authenticator app		summary>2fa type nonesummary>2fa type email
		summary>2fa type Authenticator app

Definition at line 28 of file Enums.cs.

```
00028

00030 None,

00032 Email,

00034 Authenticator

00035 }
```

5.10 DotNetIdentity.Models.BusinessModels Namespace Reference

Classes

· class EmailModel

class to define a email

· class GlobalSettings

class to define a global settings object

class LdapSettings

class to define Idap settings

class MailSettings

class to define a ail settings object

5.11 DotNetIdentity.Models.DataModels Namespace Reference

Classes

· class ApplicationSettings

class define an Settings object

class AppLogs

class to define ann Log object

• class SessionCache

class to define a SessionCache object

5.12 DotNetIdentity.Models.Identity Namespace Reference

Classes

· class AppRole

class to define a role object

class AppUser

class to define a user object

5.13 DotNetIdentity.Models.ViewModels Namespace Reference

Classes

• class AssignRoleViewModel

model for UserEditView

class ChangePasswordViewModel

model for ChangePassword view

class EditUserViewModel

model for EditUser view

· class ErrorViewModel

model for displaying errors

class ForgotPasswordViewModel

model for ForgotPassword view

· class NewUserModel

model for NewUser view

class ResetPasswordViewModel

model for ResetPassword view

• class SignInViewModel

model for Login view

class SignUpViewModel

model for Register view

· class StatusCodesModel

model for Error Statuscodes

class TwoFactorAuthenticatorViewModel

model for TwoFactorAuthenticator view

· class TwoFactorLoginVieWModel

the model for TwoFactorLogin view

class TwoFactorTypeViewModel

model for TwoFactorType view

• class UpdateProfileViewModel

model for UpdateProfile view

• class UpsertRoleViewModel

model for the UpsertRole view

5.14 DotNetIdentity.Services Namespace Reference

5.15 DotNetIdentity.Services.SettingsService Namespace Reference

Classes

• class AppSettingsBase

base class for Settings classes

• interface ISettingsService

Interface class for SettingsService

class SettingsService

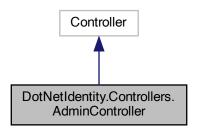
class for settings service

Class Documentation

6.1 DotNetIdentity.Controllers.AdminController Class Reference

Controller Class for Admin views

Inheritance diagram for DotNetIdentity.Controllers.AdminController:



Public Member Functions

AdminController (IStringLocalizer< UserController > localizer, AppDbContext db, ILogger< AdminController > log, IConfiguration conf, UserManager< AppUser > userManager, RoleManager< AppRole > role← Manager, SignInManager< AppUser > signInManager)

Controller Class constructor

IActionResult Index ()

Controller Action for Index

• IActionResult SystemLogs ()

Controller Action for SystemLogs

• IActionResult AuditLogs ()

Controller Action for AutditLogs

• IActionResult ErrorLogs ()

Controller Action for ErrorLogs

20 Class Documentation

async Task< IActionResult > Users ()

Controller Action for Users

• async Task< IActionResult > Roles ()

Controller Action for Roles

IActionResult GetErrorLogs (DataRequest request)

Controller Post Method to fetch ErrorLogs

IActionResult GetAppLogs (DataRequest request)

Controller Post Method to fetch Applicationlogs

IActionResult GetAuditLogs (DataRequest request)

Controller Post Method to fetch AuditLogs

JsonResult GetUsers (DataRequest request)

Controller Post Method to fetch Users

async Task< IActionResult > NewUser ()

Controller Action for NewUser view

async Task< ActionResult > NewUser (NewUserModel viewModel)

controler Post Method to save a new User

• async Task< IActionResult > UpsertRole (string? id)

Controller Action for view UpsertRole

async Task< ActionResult > DisableUser (string UserId)

Controller GET Method to disable a user account

async Task< ActionResult > EnableUser (string UserId)

Controller GET Method to enable a user account

async Task< ActionResult > EnableLdapLogin (string UserId)

Controller GET Method to enable Idap login for a user account

async Task< ActionResult > DisableLdapLogin (string UserId)

Controller GET Method to disable Idap login for a user account

async Task< ActionResult > EnableMfaForce (string UserId)

Controller GET Method to enable mfa enforcement for a user account

async Task< ActionResult > DisableMfaForce (string UserId)

Controller GET Method to disable mfa enforcement for a user account

async Task< IActionResult > UpsertRole (UpsertRoleViewModel viewModel)

Controller POST Method to enable a user account

async Task< IActionResult > DeleteUser (string id)

Controller POST Method to delete a user account

• async Task< IActionResult > DeleteRole (string id)

Controller POST Method to enable a role

async Task< IActionResult > EditUser (string id)

Controller action to serve the EditUserView

async Task< |ActionResult > EditUser (EditUserViewModel viewModel)

Controller POST Method to save user changes

6.1.1 Detailed Description

Controller Class for Admin views

Definition at line 24 of file AdminController.cs.

6.1.2 Constructor & Destructor Documentation

6.1.2.1 AdminController()

Controller Class constructor

Parameters

localizer	type IStringLocalizer
db	type DotNetIdentity.Data.AppDbContext
log	type Microsoft.Extensions.Logging.ILogger
conf	type Microsoft.Extensions.Configuration.IConfiguration
userManager	type Microsoft.AspNetCore.Identity.UserManager
roleManager	type Microsoft.AspNetCore.Identity.RoleManager
signInManager	type Microsoft.AspNetCore.Identity.SignInManager

Definition at line 65 of file AdminController.cs.

6.1.3 Member Function Documentation

6.1.3.1 AuditLogs()

```
IActionResult DotNetIdentity.Controllers.AdminController.AuditLogs ( )
```

Controller Action for AutditLogs

Returns

View of type DotnetIdentity. Views. Admin. AuditLogs

6.1.3.2 DeleteRole()

```
async Task< IActionResult > DotNetIdentity.Controllers.AdminController.DeleteRole ( string id ) [inline]
```

Controller POST Method to enable a role

22 Class Documentation

Parameters

```
id id of the role
```

Returns

redirect to controller action Roles

```
Definition at line 423 of file AdminController.cs.
```

```
00424
00425
                  var role = await _roleManager.FindByIdAsync(id);
00426
                  if (role != null)
00427
00428
                      var result = await _roleManager.DeleteAsync(role);
00429
                      if (!result.Succeeded)
00430
00431
                          result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
       f.Description));
00432
00433
00434
                  else
00435
                  {
00436
                      ModelState.AddModelError(string.Empty, _localizer["3"]);
00437
00438
                  _logger.LogInformation("AUDIT: " + User.Identity!.Name + " deleted role " + id);
00439
                  return RedirectToAction("Roles");
00440
```

6.1.3.3 DeleteUser()

```
async Task< IActionResult > DotNetIdentity.Controllers.AdminController.DeleteUser ( string id) [inline]
```

Controller POST Method to delete a user account

Parameters

```
id the id of the user
```

Returns

redirect to controller action Users

Definition at line 403 of file AdminController.cs.

```
00403
00404
                   var user = await _userManager.FindByIdAsync(id);
00405
                   if(user!=null) {
   var result = await _userManager.DeleteAsync(user);
00406
00407
                       if(!result.Succeeded) {
00408
                           result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
       f.Description));
00409
00410
                   } else {
00411
                      ModelState.AddModelError(string.Empty, _localizer["2"]);
00412
00413
                   _logger.LogInformation("AUDIT: " + User.Identity!.Name + " deleted user " + id);
                   return RedirectToAction("Users");
00414
              }
00415
```

6.1.3.4 DisableLdapLogin()

```
\label{eq:async} \mbox{Task} < \mbox{ActionResult} > \mbox{DotNetIdentity.Controllers.AdminController.DisableLdapLogin (} \\ \mbox{string $UserId$} ) \mbox{ [inline]}
```

Controller GET Method to disable Idap login for a user account

Parameters

User⊷	the id of the user
ld	

Returns

ison object (true / false)

```
Definition at line 314 of file AdminController.cs.
```

```
00314
                   var user = await _userManager.FindByIdAsync(UserId);
00315
00316
                   if(user==null) {
00317
                        return Json(new { success = false });
00318
00319
                   user.IsLdapLogin = false;
                   await _userManager.UpdateAsync(user);
_logger.LogInformation("AUDIT: " + User.Identity!.Name + " disabled ldap login for user "
00320
00321
       + user.UserName);
00322
                   return Json(new {success = true});
00323
```

6.1.3.5 DisableMfaForce()

Controller GET Method to disable mfa enforcement for a user account

Parameters

User⊷	the id of the user
ld	

Returns

json object (true / false)

Definition at line 348 of file AdminController.cs.

```
00348
00349
                  var user = await _userManager.FindByIdAsync(UserId);
00350
                  if(user==null) {
00351
                      return Json(new { success = false });
00352
00353
                  user.IsMfaForce = false;
00354
                 await _userManager.UpdateAsync(user);
                   _logger.LogInformation("AUDIT: " + User.Identity!.Name + " disabled mfa enforce for user "
00355
       + user.UserName);
00356
                  return Json(new {success = true});
00357
```

24 Class Documentation

6.1.3.6 DisableUser()

```
async Task< ActionResult > DotNetIdentity.Controllers.AdminController.DisableUser ( string \ \textit{UserId} \ ) \quad [inline]
```

Controller GET Method to disable a user account

Parameters

User⊷	the id of the user
ld	

Returns

json object (true / false)

Definition at line 263 of file AdminController.cs.

```
var user = await _userManager.FindByIdAsync(UserId);
00264
00265
                  if(user==null) {
00266
                      return Json(new { success = false });
00267
00268
                  user.IsEnabled = false;
00269
                 await _userManager.UpdateAsync(user);
00270
                   _logger.LogInformation("AUDIT: " + User.Identity!.Name + " disabled user " +
       user.UserName);
00271
                  return Json(new {success = true});
00272
```

6.1.3.7 EditUser() [1/2]

Controller POST Method to save user changes

Parameters

```
viewModel a model of type Dotnetidentity.Models.ViewModels.EditUserViewModel
```

Returns

view of type Dotnetidentity. Views. Admin. EditUser

Definition at line 480 of file AdminController.cs.

```
00482
                  if (ModelState.IsValid)
00483
00484
                      var user = await _userManager.FindByIdAsync(viewModel.Id);
00485
                      if (user != null)
00486
00487
                           if (user.PhoneNumber != viewModel.PhoneNumber && _userManager.Users.Any(a =>
       a.PhoneNumber == viewModel.PhoneNumber))
00488
00489
                              ModelState.AddModelError(string.Empty, _localizer["4"]);
00490
                          }
00491
                          else
```

```
00492
                           {
                               user.FirstName = viewModel.FirstName;
00493
00494
                               user.LastName = viewModel.LastName;
                               user.UserName = viewModel.UserName;
00495
00496
                               user.Email = viewModel.Email;
00497
                               user.PhoneNumber = viewModel.PhoneNumber;
00498
                               user.Gender = viewModel.Gender;
00499
                               user.Department = viewModel.Department.ToString();
00500
00501
                               var result = await _userManager.UpdateAsync(user);
00502
                               if (result.Succeeded)
00503
00504
                                   // Roles
00505
                                   foreach (var item in viewModel.Roles)
00506
00507
                                        if (item.IsAssigned)
00508
00509
                                            await _userManager.AddToRoleAsync(user, item.RoleName);
00510
00511
                                       else
00512
00513
                                            await _userManager.RemoveFromRoleAsync(user, item.RoleName);
00514
                                       }
00515
00516
                                   // roles combined
00518
                                   var rls = await _userManager.GetRolesAsync(user);
00519
                                   if (rls != null)
00520
                                       var rlsComb = "";
00521
                                       if (rls.Count() > 0 && rls.Count() <= 1)</pre>
00522
00523
00524
                                            rlsComb = rls[0].ToString();
00525
                                       else
00526
00527
00528
                                            for (int i = 0; i < rls.Count; i++)
00530
                                                if (i + 1 != rls.Count) { rlsComb += rls[i] + ","; }
00531
                                                else { rlsComb += rls[i]; }
00532
00533
00534
                                       if (rlsComb.Length > 0)
00535
00536
                                            user.RolesCombined = rlsComb;
00537
                                            await _userManager.UpdateAsync(user);
00538
00539
00540
00541
                                   // Claims
00542
                                   var userClaims = await _userManager.GetClaimsAsync(user);
                                   var departmentClaim = userClaims.FirstOrDefault(a => a.Type ==
00543
       "Department");
00544
                                   var claimsToAdd = new Claim("Department",
       Enum.GetName(viewModel.Department)!);
00545
                                   if (departmentClaim != null)
00546
00547
                                       await _userManager.ReplaceClaimAsync(user, departmentClaim,
       claimsToAdd);
00548
00549
                                   else
00550
00551
                                       await _userManager.AddClaimAsync(user, claimsToAdd);
00552
00553
                                   _logger.LogInformation("AUDIT: " + User.Identity!.Name + " modified user "
       + user.UserName);
00554
                                   return RedirectToAction("Users");
00555
                               result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
00556
       f.Description));
00557
00558
00559
                       else
00560
00561
                           ModelState.AddModelError(string.Empty, localizer["2"]);
00562
00563
                  }
00564
00565
                  return View(viewModel);
00566
```

References DotNetIdentity.Models.ViewModels.EditUserViewModel.Department, DotNetIdentity.Models.ViewModels.EditUserViewModel.Department, DotNetIdentity.Models.ViewModels.EditUserViewModel.Gender, DotNetIdentity.Models.ViewModels.EditUserViewModel.Id, DotNetIdentity.Models.ViewModels.EditUserViewModel.LastName, DotNetIdentity.Models.ViewModels.EditUserViewModel.PhoneNumber, DotNetIdentity.Models.ViewModels.EditUserViewModel.Roles.

 $and\ Dot Net Identity. Models. View Models. Edit User View Model. User Name.$

6.1.3.8 EditUser() [2/2]

```
\label{eq:async_task} \mbox{ async Task< IActionResult > DotNetIdentity.Controllers.AdminController.EditUser (} \\ \mbox{ string } id \mbox{ ) [inline]}
```

Controller action to serve the EditUserView

Parameters

```
id the id of the user
```

Returns

view of type DotNetIdentity.Models.ViewModels.EditUserViewModel

Definition at line 447 of file AdminController.cs.

```
00449
                  var user = await _userManager.FindByIdAsync(id);
00450
                  if (user == null)
00451
00452
                      return RedirectToAction("Users");
00454
                  var viewModel = user.Adapt<EditUserViewModel>();
00455
00456
                  var userRoles = await _userManager.GetRolesAsync(user);
00457
                  viewModel.Roles = await _roleManager.Roles.Select(s => new AssignRoleViewModel
00458
00459
                      RoleId = s.Id,
00460
                      RoleName = s.Name,
00461
                      IsAssigned = userRoles.Any(a => a == s.Name)
00462
                  }).ToListAsync();
00463
                  var userClaims = await _userManager.GetClaimsAsync(user);
00464
00465
                  var departmentClaim = userClaims.FirstOrDefault(f => f.Type == "Department");
00466
                  if (departmentClaim != null)
00467
00468
                      viewModel.Department = Enum.Parse<Department>(departmentClaim.Value);
00469
00470
00471
                  return View(viewModel);
00472
```

 $References\ Dot Net Identity. Models. View Models. Edit User View Model. Roles.$

6.1.3.9 EnableLdapLogin()

```
async Task< ActionResult > DotNetIdentity.Controllers.AdminController.EnableLdapLogin ( string \ \textit{UserId} \ ) \quad [inline]
```

Controller GET Method to enable Idap login for a user account

Parameters

User⊷	the id of the user
ld	

Returns

json object (true / false)

Definition at line 297 of file AdminController.cs.

```
00298
                 var user = await _userManager.FindByIdAsync(UserId);
00299
                 if(user==null) {
00300
                     return Json(new { success = false });
00301
00302
                 user.IsLdapLogin = true;
                 await _userManager.UpdateAsync(user);
00303
                  _logger.LogInformation("AUDIT: " + User.Identity!.Name + " enabled LDAP login for user " +
00304
      user.UserName);
00305
                 return Json(new {success = true});
00306
```

6.1.3.10 EnableMfaForce()

Controller GET Method to enable mfa enforcement for a user account

Parameters

User⊷	the id of the user
ld	

Returns

json object (true / false)

Definition at line 331 of file AdminController.cs.

```
00331
                 var user = await _userManager.FindByIdAsync(UserId);
00332
00333
                 if(user==null) {
00334
                     return Json(new { success = false });
00335
00336
                 user.IsMfaForce = true;
00337
                 await _userManager.UpdateAsync(user);
00338
                  _logger.LogInformation("AUDIT: " + User.Identity!.Name + " enabled mfa enforce for user "
      + user.UserName);
00339
                 return Json(new {success = true});
00340
```

6.1.3.11 EnableUser()

Controller GET Method to enable a user account

Parameters

User⊷	the id of the user
ld	

Returns

json object (true / false)

Definition at line 280 of file AdminController.cs.

```
00280
00281
                    var user = await _userManager.FindByIdAsync(UserId);
00282
                    if(user==null) {
00283
                        return Json(new { success = false });
00284
00285
                    user.IsEnabled = true;
                   await _userManager.UpdateAsync(user);
_logger.LogInformation("AUDIT: " + User.Identity!.Name + " enabled user " +
00286
00287
       user.UserName);
00288
                    return Json(new {success = true});
00289
```

6.1.3.12 ErrorLogs()

IActionResult DotNetIdentity.Controllers.AdminController.ErrorLogs ()

Controller Action for ErrorLogs

Returns

View of type DotnetIdentity. Views. Admin. Errorogs

6.1.3.13 GetAppLogs()

```
\label{lem:controllers.AdminController.GetAppLogs (DataRequest \ request \ ) \ [inline]
```

Controller Post Method to fetch Applicationlogs

Parameters

reauest	type DatatablesJs.Data.DataRequest
	7,1

Returns

Jason-Array of DatatablesJs.Data.DataResult

Definition at line 125 of file AdminController.cs.

6.1.3.14 GetAuditLogs()

```
IActionResult DotNetIdentity.Controllers.AdminController.GetAuditLogs ( {\tt DataRequest}\ request\ )\ [{\tt inline}]
```

Controller Post Method to fetch AuditLogs

Parameters

request	type DatatablesJs.Data.DataRequest
---------	------------------------------------

Returns

Jason-Array of DatatablesJs.Data.DataResult

Definition at line 137 of file AdminController.cs.

6.1.3.15 GetErrorLogs()

Controller Post Method to fetch ErrorLogs

Parameters

```
request type DatatablesJs.Data.DataRequest
```

Returns

Jason-Array of DatatablesJs.Data.DataResult

Definition at line 113 of file AdminController.cs.

6.1.3.16 GetUsers()

```
JsonResult DotNetIdentity.Controllers.AdminController.GetUsers ( {\tt DataRequest\ request\ }) \quad [{\tt inline}]
```

Controller Post Method to fetch Users

Parameters

```
request type DatatablesJs.Data.DataRequest
```

Returns

Jason-Array of DatatablesJs.Data.DataResult

```
Definition at line 149 of file AdminController.cs.
```

6.1.3.17 Index()

```
IActionResult DotNetIdentity.Controllers.AdminController.Index ( )
```

Controller Action for Index

Returns

View of type DotnetIdentity. Views. Admin. Index

6.1.3.18 NewUser() [1/2]

```
async Task< IActionResult > DotNetIdentity.Controllers.AdminController.NewUser ( ) [inline]
```

Controller Action for NewUser view

Returns

view of type DotnetIdentity. Views. Admin. New User

```
Definition at line 158 of file AdminController.cs.
```

```
00158
00159
                  var mod = new NewUserModel();
                  mod.Roles = await _roleManager.Roles.Select(s => new AssignRoleViewModel
00160
00161
00162
                      RoleId = s.Id,
00163
                      RoleName = s.Name,
00164
                      IsAssigned = false
00165
                  }).ToListAsync();
00166
                  return View (mod);
00167
00168
```

6.1.3.19 NewUser() [2/2]

controler Post Method to save a new User

Parameters

viewModel type DotnetIdentity.Models.ViewModels.NewUserModel

Returns

view of type DotnetIdentity. Views. Admin. New User

Definition at line 176 of file AdminController.cs.

```
00177
00178
                   if (ModelState.IsValid)
00179
00180
                       var user = new AppUser();
00181
                       user.IsEnabled = true;
00182
                       user.IsMfaForce = viewModel.IsMfaForce;
00183
                       user.IsLdapLogin = viewModel.IsLdapLogin;
                       user.FirstName = viewModel.FirstName;
00184
00185
                       user.LastName = viewModel.LastName;
00186
                       user.Email = viewModel.Email;
00187
                       user.EmailConfirmed = true;
00188
                       user.Gender = viewModel.Gender;
00189
                       user.Department = viewModel.Department.ToString();
00190
                       user.UserName = viewModel.UserName;
00191
00192
                       var result = await _userManager.CreateAsync(user, viewModel.Password);
00193
                       if (result.Succeeded)
00194
                           // roles
00195
00196
                           foreach (var item in viewModel.Roles)
00197
00198
                               if (item.IsAssigned)
00199
00200
                                   await _userManager.AddToRoleAsync(user, item.RoleName);
00201
00202
                               else
00203
00204
                                   await _userManager.RemoveFromRoleAsync(user, item.RoleName);
00205
00206
00207
00208
                       var createdUser = await _userManager.FindByNameAsync(user.UserName);
00209
00210
                       if(createdUser!=null) {
00211
                           var rls = await _userManager.GetRolesAsync(createdUser);
00212
                           if (rls != null)
00213
                               var rlsComb = "";
00214
                               if (rls.Count() > 0 && rls.Count() <= 1)</pre>
00215
00216
00217
                                   rlsComb = rls[0].ToString();
00218
00219
00220
00221
                                   for (int i = 0; i < rls.Count; i++)
00222
00223
                                        if (i + 1 != rls.Count) { rlsComb += rls[i] + ","; }
                                       else { rlsComb += rls[i]; }
00224
00225
00226
00227
                               if (rlsComb.Length > 0)
00228
00229
                                   createdUser.RolesCombined = rlsComb;
                                   await _userManager.UpdateAsync(createdUser);
00231
00232
00233
00234
                       ViewData["message"] = _localizer["1"];
00235
                       _logger.LogInformation("AUDIT: " + User.Identity!.Name + " created new user " +
       user.UserName);
00237
00238
                   return View (new NewUserModel());
00239
```

References DotNetIdentity.Models.ViewModels.NewUserModel.Department, DotNetIdentity.Models.ViewModels.NewUserModel.Ema DotNetIdentity.Models.ViewModels.NewUserModel.FirstName, DotNetIdentity.Models.ViewModels.NewUserModel.Gender, DotNetIdentity.Models.ViewModels.NewUserModel.IsLdapLogin, DotNetIdentity.Models.ViewModels.NewUserModel.IsMfaForce, DotNetIdentity.Models.ViewModels.NewUserModel.LastName, DotNetIdentity.Models.ViewModels.NewUserModel.Password, DotNetIdentity.Models.ViewModels.NewUserModel.Roles, and DotNetIdentity.Models.ViewModels.NewUserModel.UserName.

6.1.3.20 Roles()

```
async Task< IActionResult > DotNetIdentity.Controllers.AdminController.Roles ( )
```

Controller Action for Roles

Returns

View of type DotnetIdentity. Views. Admin. Users

6.1.3.21 SystemLogs()

```
IActionResult DotNetIdentity.Controllers.AdminController.SystemLogs ( )
```

Controller Action for SystemLogs

Returns

View of type DotnetIdentity. Views. Admin. SystemLogs

6.1.3.22 UpsertRole() [1/2]

```
async Task< IActionResult > DotNetIdentity.Controllers.AdminController.UpsertRole ( string? id ) [inline]
```

Controller Action for view UpsertRole

Parameters



Returns

view of type Dotnetidentity. Views. Admin. UpsertRole

Definition at line 246 of file AdminController.cs.

6.1.3.23 UpsertRole() [2/2]

Controller POST Method to enable a user account

Parameters

viewModel tmodel of type Dotnetidentity.Models.ViewModels.UpsertRoleViewModel

Returns

redirect to controller action Roles

```
Definition at line 365 of file AdminController.cs.
```

```
if (ModelState.IsValid)
00368
00369
                      var isUpdate = viewModel.Id != null;
00370
                      var role = isUpdate ? await _roleManager.FindByIdAsync(viewModel.Id) : new AppRole() {
00371
      Name = viewModel.Name, CreatedOn = DateTime.Now };
00372
                      if (isUpdate)
00373
00374
00375
                          role.Name = viewModel.Name;
00376
00377
00378
                      var result = isUpdate ? await _roleManager.UpdateAsync(role) : await
       _roleManager.CreateAsync(role);
00379
                      if (result.Succeeded)
00380
00381
                           if(isUpdate) {
       _logger.LogInformation("AUDIT: " + User.Identity!.Name + " changed name of " + viewModel.Id + " to " + viewModel.Name);
00382
00383
                          } else {
                              _logger.LogInformation("AUDIT: " + User.Identity!.Name + " created role " +
00384
       viewModel.Name);
00385
00386
                          return RedirectToAction("Roles");
00387
                      result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
00388
       f.Description));
00389
                      result.Errors.ToList().ForEach(f => TempData["Error"] += f.Description);
00390
                  }
00391
00392
                  //return View(viewModel);
00393
                  //return View("Roles", await _roleManager.Roles.ToListAsync());
00394
                  return RedirectToAction("Roles");
00395
```

References DotNetIdentity.Models.ViewModels.UpsertRoleViewModel.Id, and DotNetIdentity.Models.ViewModels.UpsertRoleViewModels.UpsertRol

6.1.3.24 Users()

```
async Task< IActionResult > DotNetIdentity.Controllers.AdminController.Users ( )
```

Controller Action for Users

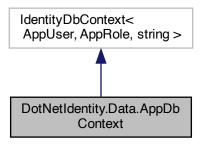
Returns

View of type DotnetIdentity. Views. Admin. Users

6.2 DotNetIdentity.Data.AppDbContext Class Reference

Application Database context class

Inheritance diagram for DotNetIdentity.Data.AppDbContext:



Public Member Functions

AppDbContext (DbContextOptions < AppDbContext > options)
 class constructor

Protected Member Functions

override void OnModelCreating (ModelBuilder builder)
 Overriding OnModelCreation to seed intitial data

Properties

- DbSet < AppLogs >? AppLogs [get, set]
 Property AppLogs
- DbSet < ApplicationSettings >? AppSettings [get, set]
 property AppSettings
- DbSet < SessionCache >? AppSessionCache [get, set]
 property AppSessionCache

6.2.1 Detailed Description

Application Database context class

Definition at line 12 of file AppDbContext.cs.

6.2.2 Constructor & Destructor Documentation

6.2.2.1 AppDbContext()

class constructor

Parameters

options type DbContextOptions	
-------------------------------	--

Returns

```
Definition at line 19 of file AppDbContext.cs.

00019
00020 } : base(options) {
```

6.2.3 Member Function Documentation

6.2.3.1 OnModelCreating()

```
override void DotNetIdentity.Data.AppDbContext.OnModelCreating ( {\tt ModelBuilder}\ builder\ )\ [inline],\ [protected]
```

Overriding OnModelCreation to seed intitial data

Parameters

```
builder type ModelBuilder
```

Definition at line 41 of file AppDbContext.cs.

```
00042
00043
                            base.OnModelCreating(builder);
00044
00045
                            builder.Entity<ApplicationSettings>()
00046
                                        .HasKey(x => new { x.Name, x.Type });
00047
00048
                            builder.Entity<ApplicationSettings>()
00049
                                               .Property(x => x.Value);
00050
                            // seeding default settings
00051
           builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "ApplicationName", Type = "GlobalSettings", Value = "SecPass"});
builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "SessionTimeoutWarnAfter", Type = "GlobalSettings", Value = "50000"});
00052
00053
```

```
00054
                         builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name =
           "SessionTimeoutRedirAfter", Type = "GlobalSettings", Value = "70000"});
          builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "SessionCookieExpiration", Type = "GlobalSettings", Value = "7"));

builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "Username", Type = "MailSettings", Value = "YOUR_Smtp_Username"});

builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "Password", builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings)
00055
00056
00057
          Type = "MailSettings", Value = "YOUR_SmtpPassword"});
           builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name =
"SmtpServer", Type = "MailSettings", Value = "YOUR_SmtpServer"});
00058
                         builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "SmtpPort",
00059
          Type = "MailSettings", Value = "587"});
                         builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name =
00060
           "SmtpUseTls", Type = "MailSettings", Value = "true"});
00061
                         builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name =
          "SmtpFromAddress", Type = "MailSettings", Value = "YOUR_From_Address"});
builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "LdapDomainController", Type = "LdapSettings", Value = "YOUR_Domaincontroller_FQDN"});
00062
                         builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name =
00063
          "LdapDomainName", Type = "LdapSettings", Value = "YOUR_Domainname"));
builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name =
00064
           "LdapBaseDn", Type = "LdapSettings", Value = "DC=YOUR,DC=Domain,DC=com"});
          builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "LdapGroup",
Type = "LdapSettings", Value = "YOUR_Ldap_Group"});
00065
          builder.Entity<ApplicationSettings>().HasData(new ApplicationSettings {Name = "LdapEnabled", Type = "LdapSettings", Value = "true"});
00066
00067
00068
                          //Seeding roles to AspNetRoles table
           builder.Entity<AppRole () .HasData(new AppRole { Id =
"dffc6dd5-b145-41e9-a861-c87ff673e9ca", Name = "Admin", NormalizedName = "ADMIN".ToUpper() });
    builder.Entity<AppRole>() .HasData(new AppRole { Id =
00069
00070
           "f8a527ac-d7f6-4d9d-aca6-46b2261b042b", Name = "User", NormalizedName = "USER".ToUpper() });
                          builder.Entity<AppRole>().HasData(new AppRole { Id =
00071
           g7a527ac-d7t6-4d7z-aca6-45t2261b042b", Name = "Editor", NormalizedName = "EDITOR".ToUpper() });
          builder.Entity<AppRole>().HasData(new AppRole { Id = "p9a527ac-d77w-4d3r-aca6-35b2261b042b", Name = "Moderator", NormalizedName = "MODERATOR".ToUpper()
00072
          });
00073
00074
00075
00076
                          \ensuremath{//a} hasher to hash the password before seeding the user to the db
00077
                          var hasher = new PasswordHasher<AppUser>();
00078
00079
                          //Seeding the Admin User to AspNetUsers table
00080
                          builder.Entity<AppUser>().HasData(
00081
                                new AppUser
00082
                                     00083
00084
                                     NormalizedUserName = "SUPER.ADMIN",
00085
00086
                                      PasswordHash = hasher.HashPassword(null!, "Test1000!"),
00087
                                      Email = "super.admin@local.app",
                                     NormalizedEmail = "SUPER.ADMIN@LOCAL.APP",
EmailConfirmed = true,
00088
00089
                                     FirstName = "Super",
00090
00091
                                     LastName = "Admin",
                                      IsMfaForce = false,
00092
00093
                                      IsLdapLogin = false,
                                     IsEnabled = true,
RolesCombined = "Admin"
00094
00095
00096
00097
                         );
00098
00099
                          //Seeding the relation between our user and role to AspNetUserRoles table
00100
                          builder.Entity<IdentityUserRole<string»().HasData(
00101
                                new IdentityUserRole<string>
00102
                                      RoleId = "dffc6dd5-b145-41e9-a861-c87ff673e9ca",
00103
                                     UserId = "6fbfb682-568c-4f5b-a298-85937ca4f7f3
00104
00105
00106
                         );
00107
                    }
```

6.2.4 Property Documentation

6.2.4.1 AppLogs

DbSet<AppLogs>? DotNetIdentity.Data.AppDbContext.AppLogs [get], [set]

Property AppLogs

Definition at line 25 of file AppDbContext.cs. 00025 {get;set;}

6.2.4.2 AppSessionCache

```
DbSet<SessionCache>? DotNetIdentity.Data.AppDbContext.AppSessionCache [get], [set]
property AppSessionCache

Definition at line 35 of file AppDbContext.cs.
00035 {get;set;}
```

6.2.4.3 AppSettings

```
DbSet<ApplicationSettings>? DotNetIdentity.Data.AppDbContext.AppSettings [get], [set]
property AppSettings

Definition at line 30 of file AppDbContext.cs.
00030 {get;set;}
```

Referenced by DotNetIdentity.Services.SettingsService.AppSettingsBase.Load(), and DotNetIdentity.Services.SettingsService.AppSettingsBase.Load()

6.3 DotNetIdentity.Models.DataModels.ApplicationSettings Class Reference

class define an Settings object

Properties

```
    string? Name [get, set]
        property name
    string? Type [get, set]
        property Type
    string? Value [get, set]
        property value
```

6.3.1 Detailed Description

class define an Settings object

Definition at line 7 of file ApplicationSettings.cs.

6.3.2 Property Documentation

```
string? DotNetIdentity.Models.DataModels.ApplicationSettings.Name [get], [set]
property name
string
Definition at line 12 of file ApplicationSettings.cs.
00012 {get;set;}
Referenced by DotNetIdentity.Services.SettingsService.AppSettingsBase.Save().
```

6.3.2.2 Type

```
string? DotNetIdentity.Models.DataModels.ApplicationSettings.Type [get], [set]
property Type
string

Definition at line 17 of file ApplicationSettings.cs.
00017 {get; set;}
```

6.3.2.3 Value

```
string? DotNetIdentity.Models.DataModels.ApplicationSettings.Value [get], [set]
property value
string

Definition at line 22 of file ApplicationSettings.cs.
```

00022 {get;set;}

6.4 DotNetIdentity.Models.DataModels.AppLogs Class Reference

class to define ann Log object

Properties

```
    int id [get, set]
        property id
    string? Exception [get, set]
        property Exception
    string Level = string.Empty [get, set]
        property Level
    string Message = string.Empty [get, set]
        property Message
    string MessageTemplate = string.Empty [get, set]
        property MessageTemplate
    string Properties = string.Empty [get, set]
        property Properties
    string Timestamp = string.Empty [get, set]
        property Timestamp
```

6.4.1 Detailed Description

class to define ann Log object

Definition at line 5 of file AppLogs.cs.

6.4.2 Property Documentation

6.4.2.1 Exception

```
string? DotNetIdentity.Models.DataModels.AppLogs.Exception [get], [set]
property Exception
string

Definition at line 15 of file AppLogs.cs.
00015 {get;set;}
```

6.4.2.2 id

```
int DotNetIdentity.Models.DataModels.AppLogs.id [get], [set]
property id
int

Definition at line 10 of file AppLogs.cs.
00010 {get; set;}
```

6.4.2.3 Level

```
string DotNetIdentity.Models.DataModels.AppLogs.Level = string.Empty [get], [set]
property Level
string
```

Definition at line 20 of file AppLogs.cs. 00020 {get;set;} = string.Empty;

6.4.2.4 Message

```
string DotNetIdentity.Models.DataModels.AppLogs.Message = string.Empty [get], [set]
property Message
```

string

Definition at line 25 of file AppLogs.cs. 00025 {get;set;} = string.Empty;

6.4.2.5 MessageTemplate

```
string DotNetIdentity.Models.DataModels.AppLogs.MessageTemplate = string.Empty [get], [set]
property MessageTemplate
```

string

Definition at line 30 of file AppLogs.cs. 00030 {get;set;} = string.Empty;

6.4.2.6 Properties

```
string DotNetIdentity.Models.DataModels.AppLogs.Properties = string.Empty [get], [set]
property Properties
```

string

```
Definition at line 35 of file AppLogs.cs. 00035 {get;set;} = string.Empty;
```

6.4.2.7 Timestamp

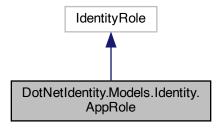
```
string DotNetIdentity.Models.DataModels.AppLogs.Timestamp = string.Empty [get], [set]
property Timestamp
string
```

Definition at line 40 of file AppLogs.cs. 00040 {get;set;} = string.Empty;

6.5 DotNetIdentity.Models.Identity.AppRole Class Reference

class to define a role object

Inheritance diagram for DotNetIdentity.Models.Identity.AppRole:



Properties

• DateTime CreatedOn [get, set]

property created on

6.5.1 Detailed Description

class to define a role object

Definition at line 8 of file AppRole.cs.

6.5.2 Property Documentation

6.5.2.1 CreatedOn

DateTime DotNetIdentity.Models.Identity.AppRole.CreatedOn [get], [set]

property created on

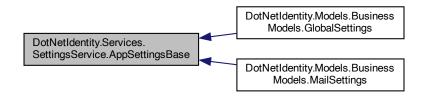
DateTime

Definition at line 14 of file AppRole.cs. 00014 { get; set; }

6.6 DotNetIdentity.Services.SettingsService.AppSettingsBase Class Reference

base class for Settings classes

Inheritance diagram for DotNetIdentity.Services.SettingsService.AppSettingsBase:



Public Member Functions

• AppSettingsBase ()

class constructor

virtual void Load (AppDbContext unitOfWork)

load method

virtual async Task Save (AppDbContext unitOfWork)

save method

6.6.1 Detailed Description

base class for Settings classes

Definition at line 10 of file AppSettingsBase.cs.

6.6.2 Constructor & Destructor Documentation

6.6.2.1 AppSettingsBase()

DotNetIdentity.Services.SettingsService.AppSettingsBase.AppSettingsBase () [inline]

class constructor

Definition at line 24 of file AppSettingsBase.cs.

6.6.3 Member Function Documentation

6.6.3.1 Load()

load method

Parameters

```
unitOfWork type DbContext
```

Definition at line 36 of file AppSettingsBase.cs.

```
00037
00038
                  // ARGUMENT CHECKING SKIPPED FOR BREVITY
00039
                  // 3 get settings for this type name
00040
00041
                  var settings = unitOfWork.AppSettings!.Where(w => w.Type == _name).ToList();
00042
00043
                  foreach (var propertyInfo in _properties)
00044
00045
                       // get the setting from the settings list
00046
                      var setting = settings.SingleOrDefault(s => s.Name == propertyInfo.Name);
00047
                       if (setting != null)
00048
                          // 4 assign the setting values to the properties in the type inheriting this class
00049
00050
                          \verb|propertyInfo.SetValue| (this, Convert.ChangeType) (setting.Value, \\
      propertyInfo.PropertyType));
00051
00052
00053
```

References DotNetIdentity.Data.AppDbContext.AppSettings.

6.6.3.2 Save()

```
\label{lem:continuous} virtual \ async \ Task \ DotNetIdentity. Services. Settings Service. App Settings Base. Save \ ( \\ App Db Context \ unit Of Work \ ) \ \ [inline], \ [virtual]
```

save method

Parameters

unitOfWork type DbContext

Definition at line 59 of file AppSettingsBase.cs.

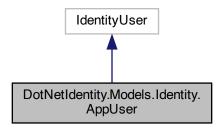
```
00061
                   // 5 load existing settings for this type
00062
                   \label{eq:var_settings} \verb| unitOfWork.AppSettings!.Where(w => w.Type == \_name).ToList();
00063
00064
                   foreach (var propertyInfo in _properties)
00065
00066
                       object propertyValue = propertyInfo.GetValue(this, null)!;
00067
                       string value = (propertyValue == null) ? null! : propertyValue.ToString()!;
00068
00069
                       var setting = settings.SingleOrDefault(s => s.Name == propertyInfo.Name);
00070
                       if (setting != null)
00071
00072
                            // 6 update existing value
00073
                           setting.Value = value;
00074
00075
                       else
00076
00077
                            // 7 create new setting
00078
                           var newSetting = new ApplicationSettings()
00079
08000
                                Name = propertyInfo.Name,
                               Type = _name,
Value = value,
00081
00082
00083
00084
                           await unitOfWork.AppSettings!.AddAsync(newSetting);
00085
00086
                   }
00087
```

References DotNetIdentity.Data.AppDbContext.AppSettings, and DotNetIdentity.Models.DataModels.ApplicationSettings.Name.

6.7 DotNetIdentity.Models.Identity.AppUser Class Reference

class to define a user object

Inheritance diagram for DotNetIdentity.Models.Identity.AppUser:



Properties

• TwoFactorType TwoFactorType [get, set]

2fa type property

```
    DateTime BirthDay [get, set]

     birthday property
• Gender Gender [get, set]
     gender property
• DateTime CreatedOn [get, set]
     birthday CreatedOn
• String? FirstName = string.Empty [get, set]
     firstname property
• String? LastName = string.Empty [get, set]
     lastname property
• bool IsMfaForce [get, set]
     2fa force property
• bool lsLdapLogin [get, set]
     Idap login property
• string? Department = string.Empty [get, set]
     department property
• string? ProfilePicture [get, set]
     profile picture proerty
• bool lsEnabled [get, set]
     account enbaled property
• string? RolesCombined = string.Empty [get, set]
     roles combined property
```

6.7.1 Detailed Description

class to define a user object

Definition at line 8 of file AppUser.cs.

6.7.2 Property Documentation

6.7.2.1 BirthDay

```
DateTime DotNetIdentity.Models.Identity.AppUser.BirthDay [get], [set]
birthday property

DateTime

Definition at line 19 of file AppUser.cs.
00019 { get; set; }
```

6.7.2.2 CreatedOn

```
DateTime DotNetIdentity.Models.Identity.AppUser.CreatedOn [get], [set]
```

birthday CreatedOn

DateTime

Definition at line 29 of file AppUser.cs.

```
00029 { get; set; }
```

6.7.2.3 Department

```
string? DotNetIdentity.Models.Identity.AppUser.Department = string.Empty [get], [set]
```

department property

Department

Definition at line 54 of file AppUser.cs.

```
00054 { get; set; } = string.Empty;
```

6.7.2.4 FirstName

```
String? DotNetIdentity.Models.Identity.AppUser.FirstName = string.Empty [get], [set]
```

firstname property

string

Definition at line 34 of file AppUser.cs. 00034 { get; set; } = string.Empty;

6.7.2.5 Gender

```
Gender DotNetIdentity.Models.Identity.AppUser.Gender [get], [set]
```

gender property

Gender

Definition at line 24 of file AppUser.cs.

```
00024 { get; set; }
```

6.7.2.6 IsEnabled

```
bool DotNetIdentity.Models.Identity.AppUser.IsEnabled [get], [set]
account enbaled property
bool
```

Definition at line 64 of file AppUser.cs. 00064 { get; set; }

6.7.2.7 IsLdapLogin

```
bool DotNetIdentity.Models.Identity.AppUser.IsLdapLogin [get], [set]
```

Idap login property

bool

Definition at line 49 of file AppUser.cs. 00049 { get; set; }

6.7.2.8 IsMfaForce

```
bool DotNetIdentity.Models.Identity.AppUser.IsMfaForce [get], [set]
```

2fa force property

bool

Definition at line 44 of file AppUser.cs. 00044 { get; set; }

6.7.2.9 LastName

```
String? DotNetIdentity.Models.Identity.AppUser.LastName = string.Empty [get], [set]
```

lastname property

string

```
Definition at line 39 of file AppUser.cs. 00039 { get; set; } = string.Empty;
```

6.7.2.10 ProfilePicture

```
string? DotNetIdentity.Models.Identity.AppUser.ProfilePicture [get], [set]
profile picture proerty
string

Definition at line 59 of file AppUser.cs.
00059 { get; set; }
```

6.7.2.11 RolesCombined

```
string? DotNetIdentity.Models.Identity.AppUser.RolesCombined = string.Empty [get], [set]
roles combined property

Definition at line 69 of file AppUser.cs.
00069 { get; set; } = string.Empty;
```

6.7.2.12 TwoFactorType

```
TwoFactorType DotNetIdentity.Models.Identity.AppUser.TwoFactorType [get], [set]
2fa type property
TwoFactorType
Definition at line 14 of file AppUser.cs.
00014 { get; set; }
```

6.8 DotNetIdentity.Models.ViewModels.AssignRoleViewModel Class Reference

model for UserEditView

Properties

```
    string Roleld = default! [get, set]
        the role id
    string RoleName = default! [get, set]
        the role neame
    bool IsAssigned [get, set]
        if role is assigned
```

6.8.1 Detailed Description

model for UserEditView

Definition at line 6 of file AssignRoleViewModel.cs.

6.8.2 Property Documentation

6.8.2.1 IsAssigned

```
bool DotNetIdentity.Models.ViewModels.AssiqnRoleViewModel.IsAssiqned [qet], [set]
```

if role is assigned

bool

Definition at line 22 of file AssignRoleViewModel.cs.

```
00022 { get; set; }
```

6.8.2.2 Roleld

```
string DotNetIdentity.Models.ViewModels.AssignRoleViewModel.RoleId = default! [get], [set]
```

the role id

string

Definition at line 12 of file AssignRoleViewModel.cs. 00012 { get; set; } = default!;

6.8.2.3 RoleName

```
string DotNetIdentity.Models.ViewModels.AssignRoleViewModel.RoleName = default! [get], [set]
```

the role neame

string

Definition at line 17 of file AssignRoleViewModel.cs.

```
00017 { get; set; } = default!;
```

6.9 DotNetIdentity.Models.ViewModels.ChangePasswordViewModel Class Reference

model for ChangePassword view

Properties

```
    string Password = default! [get, set]
        the password
    string NewPassword = default! [get, set]
        the new password
    string NewPasswordConfirm = default! [get, set]
        the new password confirmed
```

6.9.1 Detailed Description

model for ChangePassword view

Definition at line 8 of file ChangePasswordViewModel.cs.

6.9.2 Property Documentation

6.9.2.1 NewPassword

```
string DotNetIdentity.Models.ViewModels.ChangePasswordViewModel.NewPassword = default! [get],
[set]
```

the new password

string

Definition at line 19 of file ChangePasswordViewModel.cs. 00019 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.ChangePassword().

6.9.2.2 NewPasswordConfirm

```
string DotNetIdentity.Models.ViewModels.ChangePasswordViewModel.NewPasswordConfirm = default!
[get], [set]
```

the new password confirmed

string

Definition at line 25 of file ChangePasswordViewModel.cs. 00025 { get; set; } = default!;

6.9.2.3 Password

string DotNetIdentity.Models.ViewModels.ChangePasswordViewModel.Password = default! [get],
[set]

the password

string

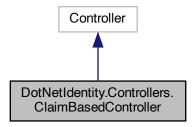
Definition at line 14 of file ChangePasswordViewModel.cs. 00014 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.ChangePassword().

6.10 DotNetIdentity.Controllers.ClaimBasedController Class Reference

Controller to test ClaimBased Authorization

Inheritance diagram for DotNetIdentity.Controllers.ClaimBasedController:



Public Member Functions

· IActionResult HR ()

Controller action for HR view

• IActionResult Software ()

Controller action for Software view

IActionResult Employee ()

Controller action for Employee view

• IActionResult FreeTrial ()

Controller action for FreeTrial view

• IActionResult Violence ()

Controller action for AtLeast18Policy view

6.10.1 Detailed Description

Controller to test ClaimBased Authorization

Definition at line 9 of file ClaimBasedController.cs.

6.10.2 Member Function Documentation

6.10.2.1 Employee()

```
IActionResult DotNetIdentity.Controllers.ClaimBasedController.Employee ( )
```

Controller action for Employee view

Returns

view Employee

6.10.2.2 FreeTrial()

```
{\tt IActionResult\ DotNetIdentity.Controllers.ClaimBasedController.FreeTrial\ (\ )}
```

Controller action for FreeTrial view

Returns

view FreeTrial

6.10.2.3 HR()

```
IActionResult DotNetIdentity.Controllers.ClaimBasedController.HR ( )
```

Controller action for HR view

Returns

view HR

6.10.2.4 Software()

 ${\tt IActionResult\ DotNetIdentity.Controllers.ClaimBasedController.Software\ (\)}$

Controller action for Software view

Returns

view Software

6.10.2.5 Violence()

 ${\tt IActionResult\ DotNetIdentity.Controllers.ClaimBasedController.Violence\ (\)}$

Controller action for AtLeast18Policy view

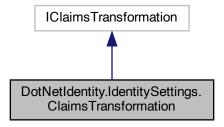
Returns

view AtLeast18Policy

6.11 DotNetIdentity.IdentitySettings.ClaimsTransformation Class Reference

class to define own claims

Inheritance diagram for DotNetIdentity.IdentitySettings.ClaimsTransformation:



Public Member Functions

- ClaimsTransformation (UserManager < AppUser > userManager, RoleManager < AppRole > roleManager)
 class constructor
- async Task < ClaimsPrincipal > TransformAsync (ClaimsPrincipal principal)
 Task to add claims to identoty

6.11.1 Detailed Description

class to define own claims

Definition at line 11 of file ClaimsTransformation.cs.

6.11.2 Constructor & Destructor Documentation

6.11.2.1 ClaimsTransformation()

class constructor

Parameters

userManager	UserManager
roleManager	RoleManager

Definition at line 27 of file ClaimsTransformation.cs.

6.11.3 Member Function Documentation

6.11.3.1 TransformAsync()

Task to add claims to identoty

Parameters

principal	ClaimsPrincipal

Returns

ClaimsPrincipal

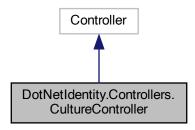
```
Definition at line 38 of file ClaimsTransformation.cs.
```

```
00040
                  var identity = principal.Identity as ClaimsIdentity;
                  var user = await _userManager.FindByNameAsync(identity?.Name);
00041
00042
                  if (user != null)
00043
00044
                       if (!principal.HasClaim(c => c.Type == ClaimTypes.Gender))
00045
00046
                           var genderClaim = new Claim(ClaimTypes.Gender, Enum.GetName(user.Gender)!);
00047
                           identity?.AddClaim(genderClaim);
00048
00049
00050
                       if (!principal.HasClaim(c => c.Type == ClaimTypes.DateOfBirth))
00051
00052
                           var birthDayClaim = new Claim(ClaimTypes.DateOfBirth,
       user.BirthDay.ToShortDateString());
00053
                           identity?.AddClaim(birthDayClaim);
00054
00055
00056
                       if (!principal.HasClaim(c => c.Type == "FreeTrial"))
00057
00058
                           var freeTrialClaim = new Claim("FreeTrial", user.CreatedOn.ToShortDateString());
00059
                           identity?.AddClaim(freeTrialClaim);
00060
00061
00062
                       if (!principal.HasClaim(c => c.Type == "Department") &&
       ! {\tt String.IsNullOrEmpty} ({\tt user.Department}) )\\
00063
00064
                           var departmentClaim = new Claim("Department", user.Department!);
00065
                           identity?.AddClaim(departmentClaim);
00066
00067
00068
                       if (!principal.HasClaim(c => c.Type == ClaimTypes.GivenName))
00069
00070
                           var givennameClaim = new Claim(ClaimTypes.GivenName, user.FirstName!);
00071
                           identity?.AddClaim(givennameClaim);
00072
00074
                       if (!principal.HasClaim(c => c.Type == ClaimTypes.Surname))
00075
00076
                           var surnameClaim = new Claim(ClaimTypes.Surname, user.LastName!);
00077
                           identity?.AddClaim(surnameClaim);
00078
00079
00080
                       if(!principal.HasClaim(c=>c.Type=="SelectedCulture")) {
00081
       System.Globalization.CultureInfo.CurrentCulture.ToString().ToLower();
00082
                           var cultureClaim = new Claim("SelectedCulture", culture);
00083
                           identity?.AddClaim(cultureClaim);
00084
00085
00086
                       if (!principal.HasClaim(c => c.Type == "RolesCombined"))
00087
00088
                           var rls = await _userManager.GetRolesAsync(user);
                           if (rls != null)
00089
00090
00091
                               var rlsComb = "";
00092
                               if(rls.Count()>0 && rls.Count()<=1) {</pre>
00093
                                   rlsComb = rls[0].ToString();
00094
00095
                                   for(int i=0;i<rls.Count;i++)</pre>
00096
00097
                                       if(i+1!=rls.Count) { rlsComb += rls[i] + ","; }
00098
                                       else { rlsComb += rls[i]; }
00099
00100
00101
                               if(rlsComb.Length>0)
00102
00103
                                   var rolesCombinedClaim = new Claim("RolesCombined", rlsComb!);
00104
                                   identity?.AddClaim(rolesCombinedClaim);
00105
00106
00107
                  }
00108
00109
00110
                  return principal;
00111
```

6.12 DotNetIdentity.Controllers.CultureController Class Reference

controller for culture settings

Inheritance diagram for DotNetIdentity.Controllers.CultureController:



Public Member Functions

IActionResult SetCulture (string culture, string returnUrl)
 controller POST method to set current culture

6.12.1 Detailed Description

controller for culture settings

Definition at line 17 of file CultureController.cs.

6.12.2 Member Function Documentation

6.12.2.1 SetCulture()

controller POST method to set current culture

Parameters

culture	the culture as string
returnUrl	the return url as string

Returns

a local redirect to variable returnUrl

Definition at line 26 of file CultureController.cs.

```
00027 {
00028 Response.Cookies.Append(
00029 CookieRequestCultureProvider.DefaultCookieName,
00030 CookieRequestCultureProvider.MakeCookieValue(new RequestCulture(culture)),
00031 new CookieOptions { Expires = DateTimeOffset.UtcNow.AddYears(1) }
00032 );
00033 return LocalRedirect(returnUrl);
```

6.13 DotNetIdentity.Models.ViewModels.EditUserViewModel Class Reference

model for EditUser view

Properties

```
• string |d = default! [get, set]
    the user id
• string UserName = default! [get, set]
    the username
• string Email = default! [get, set]
    the email
• string PhoneNumber = default! [get, set]
    the phone number
• Gender Gender = Gender.Unknown [get, set]
    the gener
• Department Department = Department.Software [get, set]
     the department
• List < AssignRoleViewModel > Roles = new() [get, set]
    the roles assigned
• string FirstName = string.Empty [get, set]
    the firstname
• string LastName = string.Empty [get, set]
     the lastname
```

6.13.1 Detailed Description

model for EditUser view

Definition at line 6 of file EditUserViewModel.cs.

6.13.2 Property Documentation

6.13.2.1 Department

Department DotNetIdentity.Models.ViewModels.EditUserViewModel.Department = Department.Software
[get], [set]

the department

Department

Definition at line 37 of file EditUserViewModel.cs. 00037 { get; set; } = Department.Software;

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.2 Email

```
string DotNetIdentity.Models.ViewModels.EditUserViewModel.Email = default! [get], [set]
```

the email

string

Definition at line 22 of file EditUserViewModel.cs.

00022 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.3 FirstName

```
string DotNetIdentity.Models.ViewModels.EditUserViewModel.FirstName = string.Empty [get],
[set]
```

the firstname

string

Definition at line 47 of file EditUserViewModel.cs. 00047 {get;set;} = string.Empty;

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.4 Gender

```
Gender DotNetIdentity.Models.ViewModels.EditUserViewModel.Gender = Gender.Unknown [get], [set]
```

the gener

Gender

Definition at line 32 of file EditUserViewModel.cs. 00032 { get; set; } = Gender.Unknown;

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.5 ld

```
string DotNetIdentity.Models.ViewModels.EditUserViewModel.Id = default! [get], [set]
```

the user id

string

Definition at line 12 of file EditUserViewModel.cs.

```
00012 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.6 LastName

```
string DotNetIdentity.Models.ViewModels.EditUserViewModel.LastName = string.Empty [get], [set]
```

the lastname

string

Definition at line 52 of file EditUserViewModel.cs.

```
00052 {get; set;} = string.Empty;
```

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.7 PhoneNumber

```
string DotNetIdentity.Models.ViewModels.EditUserViewModel.PhoneNumber = default! [get], [set]
```

the phone number

string

Definition at line 27 of file EditUserViewModel.cs.

```
00027 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.13.2.8 Roles

```
List<AssignRoleViewModel> DotNetIdentity.Models.ViewModels.EditUserViewModel.Roles = new()
[get], [set]
```

the roles assigned

Returns

List of type AppRole

Definition at line 42 of file EditUserViewModel.cs.

```
00042 { get; set; } = new();
```

 $Referenced\ by\ Dot Net Identity. Controllers. Admin Controller. Edit User ().$

6.13.2.9 UserName

```
string DotNetIdentity.Models.ViewModels.EditUserViewModel.UserName = default! [get], [set]
```

the username

string

```
Definition at line 17 of file EditUserViewModel.cs. 00017 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.AdminController.EditUser().

6.14 DotNetIdentity.Helpers.EmailHelper Class Reference

class for email methods

Public Member Functions

• EmailHelper (ISettingsService sett)

class constructor

• async Task SendAsync (EmailModel model)

method to send a mail

6.14.1 Detailed Description

class for email methods

Definition at line 12 of file EmailHelper.cs.

6.14.2 Constructor & Destructor Documentation

6.14.2.1 EmailHelper()

class constructor

Parameters

sett | type |SettingsService

Definition at line 23 of file EmailHelper.cs.

```
00024 {
00025 __sett = sett;
00026 }
```

6.14.3 Member Function Documentation

6.14.3.1 SendAsync()

method to send a mail

Parameters

model	type EmailModel
-------	-----------------

Returns

Definition at line 33 of file EmailHelper.cs.

```
00034
00035
                     var mail = new MailMessage
00036
00037
                          Subject = model.Subject,
                         Body = model.Body,
From = new MailAddress(_sett.Mail.SmtpFromAddress!),
00038
00039
                         IsBodyHtml = true
00040
00041
                    };
00042
00043
                     var smtp = new SmtpClient
00044
                         Host = _sett.Mail.SmtpServer!,
Port = Convert.ToInt32(_sett.Mail.SmtpPort),
EnableSsl = Convert.ToBoolean(_sett.Mail.SmtpUseTls),
00045
00046
00047
00048
                         DeliveryMethod = SmtpDeliveryMethod.Network,
00049
                          UseDefaultCredentials = false,
00050
                         Credentials = new NetworkCredential(_sett.Mail.Username, _sett.Mail.Password)
00051
00052
                    mail.To.Add(model.To);
00053
00054
00055
                     await smtp.SendMailAsync(mail);
00056
```

References DotNetIdentity.Models.BusinessModels.EmailModel.Body, DotNetIdentity.Models.BusinessModels.EmailModel.Subject, and DotNetIdentity.Models.BusinessModels.EmailModel.To.

6.15 DotNetIdentity.Models.BusinessModels.EmailModel Class Reference

class to define a email

Properties

```
    string Subject = default! [get, set]
        property subject
    string Body = default! [get, set]
        property body
    string To = default! [get, set]
        property to
```

6.15.1 Detailed Description

class to define a email

Definition at line 6 of file EmailModel.cs.

6.15.2 Property Documentation

6.15.2.1 Body

```
string DotNetIdentity.Models.BusinessModels.EmailModel.Body = default! [get], [set]
property body
string
Definition at line 17 of file EmailModel.cs.
```

Referenced by DotNetIdentity.Helpers.EmailHelper.SendAsync().

6.15.2.2 Subject

00017 { get; set; } = default!;

```
string DotNetIdentity.Models.BusinessModels.EmailModel.Subject = default! [get], [set]
property subject
string

Definition at line 12 of file EmailModel.cs.
00012 { get; set; } = default!;
```

Referenced by DotNetIdentity.Helpers.EmailHelper.SendAsync().

6.15.2.3 To

```
string DotNetIdentity.Models.BusinessModels.EmailModel.To = default! [get], [set]
property to
string

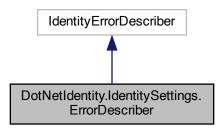
Definition at line 22 of file EmailModel.cs.
00022 { get; set; } = default!;
```

Referenced by DotNetIdentity.Helpers.EmailHelper.SendAsync().

6.16 DotNetIdentity.IdentitySettings.ErrorDescriber Class Reference

class to override IdentityErrorDescriber IdentotyError messages

Inheritance diagram for DotNetIdentity.IdentitySettings.ErrorDescriber:



Static Public Member Functions

- static IdentityError PasswordContainsUsername () custom IdentityError if password contains username
- static IdentityError UserNameLength ()
 custom IdentityError if username length is too short
- static IdentityError UserNameContainsEmail ()

 custom IdentityError if username contains user email

6.16.1 Detailed Description

class to override IdentityErrorDescriber IdentotyError messages

Definition at line 8 of file ErrorDescriber.cs.

6.16.2 Member Function Documentation

6.16.2.1 PasswordContainsUsername()

```
static IdentityError DotNetIdentity.IdentitySettings.ErrorDescriber.PasswordContainsUsername (
) [static]
```

custom IdentityError if password contains username

Returns

IdentityError

Referenced by DotNetIdentity.IdentitySettings.Validators.PasswordValidator.ValidateAsync().

6.16.2.2 UserNameContainsEmail()

static IdentityError DotNetIdentity.IdentitySettings.ErrorDescriber.UserNameContainsEmail ()
[static]

custom IdentityError if username contains user email

Returns

IdentityError

 $Referenced \ by \ Dot Net Identity. Identity Settings. Validators. User Validator. Validate A sync().$

6.16.2.3 UserNameLength()

 $\verb|static IdentityError DotNetIdentity.IdentitySettings.ErrorDescriber.UserNameLength () | [static]| \\$

custom IdentityError if username length is too short

Returns

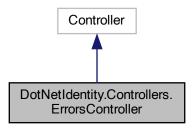
IdentityError

Referenced by DotNetIdentity.IdentitySettings.Validators.UserValidator.ValidateAsync().

6.17 DotNetIdentity.Controllers.ErrorsController Class Reference

Controller for error views

Inheritance diagram for DotNetIdentity.Controllers.ErrorsController:



Public Member Functions

- IActionResult ErrorEx ()

 controller action for ErrorEx view
- IActionResult ErrorCd (int statusCode)

Controller action for ErrorCd view

6.17.1 Detailed Description

Controller for error views

Todo add translation

Definition at line 17 of file ErrorsController.cs.

6.17.2 Member Function Documentation

6.17.2.1 ErrorCd()

Controller action for ErrorCd view

Parameters

statusCode

Returns

view ErrorCd

```
Definition at line 45 of file ErrorsController.cs.
```

```
00046
00047
                  var statusCodeData = HttpContext.Features.Get<IStatusCodeReExecuteFeature>();
00048
                  StatusCodesModel md = new StatusCodesModel();
00049
                  md.StatusCode = statusCode;
00050
                  md.RouteOfException = statusCodeData!.OriginalPath;
00051
00052
                  switch (statusCode)
00053
00054
                      // request timeout
                      case 408:
00055
00056
                         md.ErrorMessage = "Timeout. The request timed out..";
00057
                      // badrequest
00058
00059
                      case 400:
00060
                          md.ErrorMessage = "Badrequest. The request meets not the controllers expetation.";
00061
                          break;
00062
                      // forbidden
00063
                      case 403:
                          md.ErrorMessage = "Acess denied!";
00064
00065
                          break;
                      // unauthorized
00066
00067
                      case 401:
00068
                          md.ErrorMessage = "You're not authorized to access this resource!";
00069
00070
                      //page not found
00071
                      case 404:
00072
                          md.ErrorMessage = "Sorry the page you requested could not be found";
00073
                          break;
00074
                      // server error
00075
                      case 500:
00076
                          md.ErrorMessage = "Sorry something went wrong on the server";
00077
                          break;
00078
                      // service unavailable
00079
                      case 503:
08000
                          md.ErrorMessage = "Sorry, the service is currently unavailable.";
00081
                          break;
00082
                      default:
                          md.ErrorMessage = "Sorry, there was an error.";
00083
00084
                          break;
00085
                  }
00086
00087
                  return View("ErrorCd", md);
00088
              }
```

6.17.2.2 ErrorEx()

IActionResult DotNetIdentity.Controllers.ErrorsController.ErrorEx () [inline]

controller action for ErrorEx view

Returns

view ErrorEx

Definition at line 23 of file ErrorsController.cs.

```
00025
                  var exceptionFeature = HttpContext.Features.Get<IExceptionHandlerPathFeature>();
00026
00027
                  if (exceptionFeature != null)
00028
00029
                      if(exceptionFeature.Error.StackTrace!=null) {
00030
                          ViewBag.StackTrace = exceptionFeature.Error.StackTrace;
00031
                      ViewBag.ErrorMessage = exceptionFeature.Error.Message;
00033
                      ViewBag.RouteOfException = exceptionFeature.Path;
00034
00035
00036
                  return View();
              }
00037
```

6.18 DotNetIdentity.Models.ViewModels.ErrorViewModel Class Reference

model for displaying errors

Properties

```
    string? RequestId [get, set]
        the rquest id
    bool ShowRequestId [get]
        show the requst id
```

6.18.1 Detailed Description

model for displaying errors

Definition at line 5 of file ErrorViewModel.cs.

6.18.2 Property Documentation

6.18.2.1 Requestld

```
string? DotNetIdentity.Models.ViewModels.ErrorViewModel.RequestId [get], [set]
the rquest id
string
Definition at line 11 of file ErrorViewModel.cs.
```

00011 { get; set; }

6.18.2.2 ShowRequestId

```
bool DotNetIdentity.Models.ViewModels.ErrorViewModel.ShowRequestId [get] show the requst id

Returns
```

bool

Definition at line 16 of file ErrorViewModel.cs.

6.19 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel Class Reference

model for ForgotPassword view

Properties

```
• string Email = default! [get, set]

the user email
```

6.19.1 Detailed Description

model for ForgotPassword view

Definition at line 6 of file ForgotPasswordViewModel.cs.

6.19.2 Property Documentation

6.19.2.1 Email

```
string DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel.Email = default! [get], [set]
```

the user email

string

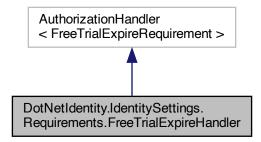
```
Definition at line 12 of file ForgotPasswordViewModel.cs. 00012 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.UserController.ForgotPassword().

6.20 DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpire Handler Class Reference

class to define own Identity requirements type of FreeTrialExpireRequirement

 $Inheritance\ diagram\ for\ Dot Net Identity. Identity Settings. Requirements. Free Trial Expire Handler:$



Protected Member Functions

override Task HandleRequirementAsync (AuthorizationHandlerContext context, FreeTrialExpireRequirement requirement)

overriding HandleRequirementAsync

6.20.1 Detailed Description

class to define own Identity requirements type of FreeTrialExpireRequirement

Definition at line 13 of file FreeTrialExpireRequirement.cs.

6.20.2 Member Function Documentation

6.20.2.1 HandleRequirementAsync()

overriding HandleRequirementAsync

Parameters

context	AuthorizationHandlerContext
requirement	FreeTrialExpireRequirement

Returns

Task

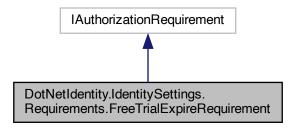
Definition at line 21 of file FreeTrialExpireRequirement.cs.

```
00022
00023
                     var freeTrialClaim = context.User.FindFirst(f => f.Type == "FreeTrial");
if (freeTrialClaim != null)
00024
00025
00026
                         var freeTrialExpires = Convert.ToDateTime(freeTrialClaim.Value).AddDays(30);
00027
                         if (DateTime.Now < freeTrialExpires)</pre>
00028
00029
                              context.Succeed(requirement);
00030
00031
                         else
00032
00033
                              context.Fail();
00034
00035
                    }
00036
00037
                    return Task.CompletedTask;
```

6.21 DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpire Requirement Class Reference

class to define own Identity requirements type of IAuthorizationRequirement

 $Inheritance\ diagram\ for\ Dot Net Identity. Identity Settings. Requirements. Free Trial Expire Requirement:$



6.21.1 Detailed Description

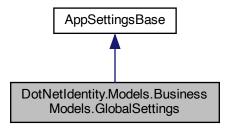
class to define own Identity requirements type of IAuthorizationRequirement

Definition at line 8 of file FreeTrialExpireRequirement.cs.

6.22 DotNetIdentity.Models.BusinessModels.GlobalSettings Class Reference

class to define a global settings object

Inheritance diagram for DotNetIdentity.Models.BusinessModels.GlobalSettings:



Properties

```
    string? ApplicationName [get, set]
        property ApplicationName
    string? SessionTimeoutWarnAfter [get, set]
        property SessionTimeoutWarnAfter
    string? SessionTimeoutRedirAfter [get, set]
        property SessionTimeoutRedirAfter
    string? SessionCookieExpiration [get, set]
        property SessionCookieExpiration
```

Additional Inherited Members

6.22.1 Detailed Description

class to define a global settings object

Definition at line 7 of file GlobalSettings.cs.

6.22.2 Property Documentation

6.22.2.1 ApplicationName

```
\verb|string?| DotNetIdentity.Models.BusinessModels.GlobalSettings.ApplicationName [get], [set]| \\
```

property ApplicationName

string

Definition at line 12 of file GlobalSettings.cs.

00012 {get; set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.22.2.2 SessionCookieExpiration

```
string? DotNetIdentity.Models.BusinessModels.GlobalSettings.SessionCookieExpiration [get], [set]
```

property SessionCookieExpiration

string

Definition at line 27 of file GlobalSettings.cs.

00027 {get; set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.22.2.3 SessionTimeoutRedirAfter

```
string? DotNetIdentity.Models.BusinessModels.GlobalSettings.SessionTimeoutRedirAfter [get],
[set]
```

property SessionTimeoutRedirAfter

string

Definition at line 22 of file GlobalSettings.cs.

00022 {get; set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.22.2.4 SessionTimeoutWarnAfter

```
string? DotNetIdentity.Models.BusinessModels.GlobalSettings.SessionTimeoutWarnAfter [get],
[set]
```

property SessionTimeoutWarnAfter

string

Definition at line 17 of file GlobalSettings.cs.

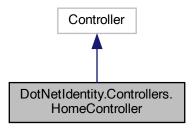
00017 {get; set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.23 DotNetIdentity.Controllers.HomeController Class Reference

Controller for Home views

Inheritance diagram for DotNetIdentity.Controllers.HomeController:



Public Member Functions

- $\bullet \ \ \text{HomeController (UserManager} < \ \text{AppUser} > \ \text{userManager}) \\$
 - Controller constructor
- IActionResult Index ()

Controller action for view Index

• IActionResult AccessDenied ()

controller action for view AccessDenied

6.23.1 Detailed Description

Controller for Home views

Definition at line 11 of file HomeController.cs.

6.23.2 Constructor & Destructor Documentation

6.23.2.1 HomeController()

```
\label{lem:decontroller} DotNetIdentity. Controllers. HomeController. HomeController ( \\ UserManager < AppUser > userManager ) [inline]
```

Controller constructor

Parameters

userManager	Property UserManager
-------------	----------------------

Definition at line 22 of file HomeController.cs.

```
00023 {
00024 __userManager = userManager;
00025 }
```

6.23.3 Member Function Documentation

6.23.3.1 AccessDenied()

Returns

view AccessDenied

6.23.3.2 Index()

```
IActionResult DotNetIdentity.Controllers.HomeController.Index ( )
```

Controller action for view Index

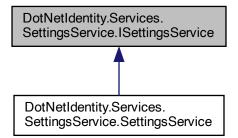
Returns

view Index

6.24 DotNetIdentity.Services.SettingsService.ISettingsService Interface Reference

Interface class for SettingsService

 $Inheritance\ diagram\ for\ Dot Net Identity. Services. Settings Service. IS ettings Service:$



Public Member Functions

• Task Save ()
save method

Properties

```
• GlobalSettings Global [get]
property global settings
```

MailSettings Mail [get]
 property mail settings

• LdapSettings Ldap [get]

property mail settings

6.24.1 Detailed Description

Interface class for SettingsService

Definition at line 8 of file ISettingsService.cs.

6.24.2 Member Function Documentation

6.24.2.1 Save()

```
Task DotNetIdentity.Services.SettingsService.ISettingsService.Save ( )
```

save method

 $Implemented \ in \ Dot Net Identity. Services. Settings Service. Settings Service.$

6.24.3 Property Documentation

6.24.3.1 Global

```
{\tt GlobalSettings}\ {\tt DotNetIdentity.Services.SettingsService.ISettingsService.Global}\ \ [{\tt get}]
```

property global settings

GlobalSettings

 $Implemented \ in \ Dot Net Identity. Services. Settings Service. Settings Service.$

```
Definition at line 13 of file ISettingsService.cs. 00013 { get; }
```

6.24.3.2 Ldap

LdapSettings DotNetIdentity.Services.SettingsService.ISettingsService.Ldap [get]

property mail settings

MailSettings

 $Implemented \ in \ Dot Net Identity. Services. Settings Service. Settings Service.$

Definition at line 23 of file ISettingsService.cs.

00023 { get; }

6.24.3.3 Mail

MailSettings DotNetIdentity.Services.SettingsService.ISettingsService.Mail [get]

property mail settings

MailSettings

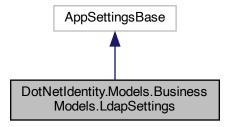
 $Implemented \ in \ Dot Net Identity. Services. Settings Service. Settings Service.$

Definition at line 18 of file ISettingsService.cs. 00018 $\{ get; \}$

6.25 DotNetIdentity.Models.BusinessModels.LdapSettings Class Reference

class to define Idap settings

Inheritance diagram for DotNetIdentity.Models.BusinessModels.LdapSettings:



Properties

```
    string? LdapDomainController [get, set]
        domain controller property
    string? LdapDomainName [get, set]
        domain name property
    string? LdapBaseDn [get, set]
        domain base dn property
    string? LdapGroup [get, set]
        domain group name property
    bool LdapEnabled [get, set]
        ldap enabled property
```

6.25.1 Detailed Description

class to define Idap settings

Definition at line 5 of file LdapSettings.cs.

6.25.2 Property Documentation

6.25.2.1 LdapBaseDn

```
string? DotNetIdentity.Models.BusinessModels.LdapSettings.LdapBaseDn [get], [set]
domain base dn property
string

Definition at line 20 of file LdapSettings.cs.
00020 {get; set;}
```

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsLdap().

6.25.2.2 LdapDomainController

```
string? DotNetIdentity.Models.BusinessModels.LdapSettings.LdapDomainController [get], [set]

domain controller property

string

Definition at line 10 of file LdapSettings.cs.
```

Generated by Doxygen

00010 {get;set;}

6.25.2.3 LdapDomainName

```
string? DotNetIdentity.Models.BusinessModels.LdapSettings.LdapDomainName [get], [set]
```

domain name property

string

Definition at line 15 of file LdapSettings.cs.

00015 {get;set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsLdap().

6.25.2.4 LdapEnabled

```
bool DotNetIdentity.Models.BusinessModels.LdapSettings.LdapEnabled [get], [set]
```

Idap enabled property

bool

Definition at line 30 of file LdapSettings.cs.

00030 {get;set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsLdap().

6.25.2.5 LdapGroup

```
string? DotNetIdentity.Models.BusinessModels.LdapSettings.LdapGroup [get], [set]
```

domain group name property

string

Definition at line 25 of file LdapSettings.cs.

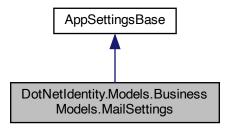
00025 {get;set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsLdap().

6.26 DotNetIdentity.Models.BusinessModels.MailSettings Class Reference

class to define a ail settings object

Inheritance diagram for DotNetIdentity.Models.BusinessModels.MailSettings:



Properties

```
    string? Username [get, set]
        property Username
    string? Password [get, set]
        property Password
    string? SmtpServer [get, set]
        property SmtpServer
    string? SmtpPort [get, set]
        property SmtpPort
    string? SmtpFromAddress [get, set]
        property SmtpFromAddress
    bool SmtpUseTIs [get, set]
        property SmtpUseTIs
```

Additional Inherited Members

6.26.1 Detailed Description

class to define a ail settings object

Definition at line 7 of file MailSettings.cs.

6.26.2 Property Documentation

6.26.2.1 Password

```
string? DotNetIdentity.Models.BusinessModels.MailSettings.Password [get], [set]
property Password
string

Definition at line 17 of file MailSettings.cs.
00017 { get; set; }
```

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.26.2.2 SmtpFromAddress

```
string? DotNetIdentity.Models.BusinessModels.MailSettings.SmtpFromAddress [get], [set]
property SmtpFromAddress
string

Definition at line 32 of file MailSettings on
```

Definition at line 32 of file MailSettings.cs. 00032 {get; set;}

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.26.2.3 SmtpPort

```
string? DotNetIdentity.Models.BusinessModels.MailSettings.SmtpPort [get], [set]
property SmtpPort
string

Definition at line 27 of file MailSettings.cs.
00027 { get; set; }
```

 $Referenced\ by\ DotNetIdentity. Controllers. Settings Controller. Settings Mail().$

6.26.2.4 SmtpServer

```
string? DotNetIdentity.Models.BusinessModels.MailSettings.SmtpServer [get], [set]
property SmtpServer
string
Definition at line 22 of file MailSettings.cs.
00022 { get; set; }
```

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.26.2.5 SmtpUseTIs

```
bool DotNetIdentity.Models.BusinessModels.MailSettings.SmtpUseTls [get], [set]
property SmtpUseTls
bool
```

Definition at line 37 of file MailSettings.cs. 00037 { get; set; }

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.26.2.6 Username

```
string? DotNetIdentity.Models.BusinessModels.MailSettings.Username [get], [set]
property Username
string

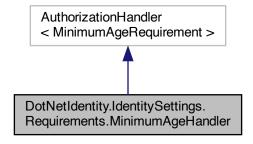
Definition at line 12 of file MailSettings.cs.
00012 { get; set; }
```

Referenced by DotNetIdentity.Controllers.SettingsController.SettingsMail().

6.27 DotNetIdentityIdentitySettings.Requirements.MinimumAgeHandler Class Reference

class implementing AuthorizationHandler of type MinimumAgeRequirement

Inheritance diagram for DotNetIdentity.IdentitySettings.Requirements.MinimumAgeHandler:



Protected Member Functions

override Task HandleRequirementAsync (AuthorizationHandlerContext context, MinimumAgeRequirement requirement)

overriding HandleRequirementAsync

6.27.1 Detailed Description

class implementing AuthorizationHandler of type MinimumAgeRequirement

Definition at line 30 of file MinimumAgeRequirement.cs.

6.27.2 Member Function Documentation

6.27.2.1 HandleRequirementAsync()

overriding HandleRequirementAsync

Parameters

context	AuthorizationHandlerContext
requirement	MinimumAgeRequirement

Returns

Task

Definition at line 38 of file MinimumAgeRequirement.cs.

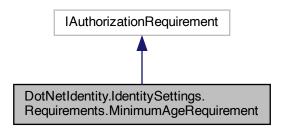
```
00039
00040
                  var birthDayClaim = context.User.FindFirst(f => f.Type == ClaimTypes.DateOfBirth);
00041
                  if (birthDayClaim != null)
00042
00043
                      var birthDay = Convert.ToDateTime(birthDayClaim.Value);
                      var calculatedAge = DateTime.Now.Year - birthDay.Year;
00044
                      if (calculatedAge >= requirement.MinimumAge)
00045
00046
00047
                          context.Succeed(requirement);
00048
00049
00050
                      {
00051
                          context.Fail();
00052
00053
00054
00055
                  return Task.CompletedTask;
00056
```

References DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement.MinimumAge.

6.28 DotNetIdentity.IdentitySettings.Requirements.MinimumAge Requirement Class Reference

class to define own Identity requirements type of IAuthorizationRequirement

Inheritance diagram for DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement:



Public Member Functions

MinimumAgeRequirement (int minimumAge)
 class constructor

Properties

• int MinimumAge [get, set]

property MinimumAge

6.28.1 Detailed Description

class to define own Identity requirements type of IAuthorizationRequirement

Definition at line 9 of file MinimumAgeRequirement.cs.

6.28.2 Constructor & Destructor Documentation

6.28.2.1 MinimumAgeRequirement()

class constructor

Parameters

minimumAge

Definition at line 15 of file MinimumAgeRequirement.cs.

References DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement.MinimumAge.

6.28.3 Property Documentation

6.28.3.1 MinimumAge

```
int DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement.MinimumAge [get], [set]

property MinimumAge

Definition at line 24 of file MinimumAgeRequirement cs
```

Definition at line 24 of file MinimumAgeRequirement.cs.

Referenced by DotNetIdentity.IdentitySettings.Requirements.MinimumAgeHandler.HandleRequirementAsync(), and DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement.MinimumAgeRequirement().

6.29 DotNetIdentity.Models.ViewModels.NewUserModel Class Reference

model for NewUser view

Properties

```
• string UserName = default! [get, set]
     the username
• string Email = default! [get, set]
    the users email address
• Gender Gender = Gender.Unknown [get, set]
• Department Department = Department.Software [get, set]
     the department
• List< AssignRoleViewModel > Roles = new() [get, set]
    the roles assigned
• string FirstName = string.Empty [get, set]
    the firstname
• string LastName = string.Empty [get, set]
    the lastname
• bool lsLdapLogin [get, set]
    if user is Idap login
• bool IsMfaForce [get, set]
    is 2fa enforced

    string Password = string.Empty [get, set]

    the password
```

6.29.1 Detailed Description

model for NewUser view

Definition at line 9 of file NewUserModel.cs.

6.29.2 Property Documentation

6.29.2.1 Department

```
Department DotNetIdentity.Models.ViewModels.NewUserModel.Department = Department.Software
[get], [set]
```

the department

Department

Definition at line 30 of file NewUserModel.cs.
00030 { get; set; } = Department.Software;

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.2 Email

```
string DotNetIdentity.Models.ViewModels.NewUserModel.Email = default! [get], [set]
```

the users email address

string

Definition at line 20 of file NewUserModel.cs. 00020 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.3 FirstName

```
string DotNetIdentity.Models.ViewModels.NewUserModel.FirstName = string.Empty [get], [set]
```

the firstname

string

Definition at line 40 of file NewUserModel.cs.
00040 { get; set; } = string.Empty;

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.4 Gender

```
Gender DotNetIdentity.Models.ViewModels.NewUserModel.Gender = Gender.Unknown [get], [set]
```

the gender

Gender

Definition at line 25 of file NewUserModel.cs.

```
00025 { get; set; } = Gender.Unknown;
```

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.5 IsLdapLogin

```
bool DotNetIdentity.Models.ViewModels.NewUserModel.IsLdapLogin [get], [set]
```

if user is Idap login

bool

Definition at line 50 of file NewUserModel.cs.

00050 { get; set; }

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.6 IsMfaForce

```
bool DotNetIdentity.Models.ViewModels.NewUserModel.IsMfaForce [get], [set]
```

is 2fa enforced

bool

Definition at line 55 of file NewUserModel.cs.

```
00055 { get; set; }
```

 $Referenced \ by \ Dot Net Identity. Controllers. Admin Controller. New User ().$

6.29.2.7 LastName

```
string DotNetIdentity.Models.ViewModels.NewUserModel.LastName = string.Empty [get], [set]
```

the lastname

string

Definition at line 45 of file NewUserModel.cs.

```
00045 { get; set; } = string.Empty;
```

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.8 Password

```
string DotNetIdentity.Models.ViewModels.NewUserModel.Password = string.Empty [get], [set]
```

the password

string

Definition at line 60 of file NewUserModel.cs.

```
00060 { get; set; } = string.Empty;
```

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.9 Roles

```
List<AssignRoleViewModel> DotNetIdentity.Models.ViewModels.NewUserModel.Roles = new() [get],
[set]
```

the roles assigned

Returns

List of type AppRole

Definition at line 35 of file NewUserModel.cs.

```
00035 { get; set; } = new();
```

Referenced by DotNetIdentity.Controllers.AdminController.NewUser().

6.29.2.10 UserName

```
string DotNetIdentity.Models.ViewModels.NewUserModel.UserName = default! [get], [set]
```

the username

string

Definition at line 15 of file NewUserModel.cs.

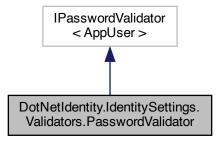
```
00015 { get; set; } = default!;
```

 $Referenced \ by \ Dot Net Identity. Controllers. Admin Controller. New User ().$

6.30 DotNetIdentity.IdentitySettings.Validators.PasswordValidator Class Reference

class to validate a password

Inheritance diagram for DotNetIdentity.IdentitySettings.Validators.PasswordValidator:



Public Member Functions

Task< IdentityResult > ValidateAsync (UserManager< AppUser > manager, AppUser user, string password)
 Task to validate a password

6.30.1 Detailed Description

class to validate a password

Definition at line 9 of file PasswordValidator.cs.

6.30.2 Member Function Documentation

6.30.2.1 ValidateAsync()

```
Task< IdentityResult > DotNetIdentity.IdentitySettings.Validators.PasswordValidator.Validate←
Async (

UserManager< AppUser > manager,

AppUser user,

string password ) [inline]
```

Task to validate a password

Parameters

manager	UserManager
user	AppUser
password	string

Returns

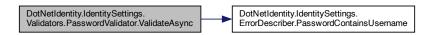
Task of type IdentityResult

Definition at line 18 of file PasswordValidator.cs.

```
var errors = new List<IdentityError>();
00021
                  if (user.UserName == password)
00022
00023
00024
                      errors.Add(ErrorDescriber.PasswordContainsUsername());
00025
00026
00027
                 if (errors.Any())
00028
00029
                      return Task.FromResult(IdentityResult.Failed(errors.ToArray()));
00030
00031
                  return Task.FromResult(IdentityResult.Success);
00032
```

References DotNetIdentity.IdentitySettings.ErrorDescriber.PasswordContainsUsername().

Here is the call graph for this function:



6.31 DotNetIdentity.Models.ViewModels.ResetPasswordViewModel Class Reference

model for ResetPassword view

Properties

```
    string UserId = default! [get, set]
        the user id
    string Token = default! [get, set]
        the reset token
    string Password = default! [get, set]
        the password
```

6.31.1 Detailed Description

model for ResetPassword view

Definition at line 6 of file ResetPasswordViewModel.cs.

6.31.2 Property Documentation

6.31.2.1 Password

```
string DotNetIdentity.Models.ViewModels.ResetPasswordViewModel.Password = default! [get],
[set]
```

the password

string

Definition at line 22 of file ResetPasswordViewModel.cs. 00022 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.ResetPassword().

6.31.2.2 Token

```
string \ DotNetIdentity. Models. View Models. Reset Password View Model. Token = default! \ [get], \ [set]
```

the reset token

string

Definition at line 17 of file ResetPasswordViewModel.cs. 00017 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.ResetPassword().

6.31.2.3 UserId

```
string DotNetIdentity.Models.ViewModels.ResetPasswordViewModel.UserId = default! [get], [set]
```

the user id

string

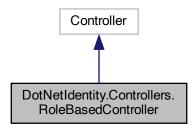
Definition at line 12 of file ResetPasswordViewModel.cs. 00012 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.ResetPassword().

6.32 DotNetIdentity.Controllers.RoleBasedController Class Reference

Controller to test RoleBased Authorization

Inheritance diagram for DotNetIdentity.Controllers.RoleBasedController:



Public Member Functions

• IActionResult Dashboard ()

Controller Action for Dashboard view

• IActionResult Users ()

Controller Action for Users view

• IActionResult Articles ()

Controller Action for Articles view

• IActionResult Profile ()

Controller Action for Profile view

6.32.1 Detailed Description

Controller to test RoleBased Authorization

Definition at line 9 of file RoleBasedController.cs.

6.32.2 Member Function Documentation

6.32.2.1 Articles()

 ${\tt IActionResult\ DotNetIdentity.Controllers.RoleBasedController.Articles\ (\)}$

Controller Action for Articles view

Returns

6.32.2.2 Dashboard()

```
{\tt IActionResult\ DotNetIdentity.Controllers.RoleBasedController.Dashboard\ (\ )}
```

Controller Action for Dashboard view

Returns

6.32.2.3 Profile()

```
IActionResult DotNetIdentity.Controllers.RoleBasedController.Profile ( )
```

Controller Action for Profile view

Returns

6.32.2.4 Users()

```
IActionResult DotNetIdentity.Controllers.RoleBasedController.Users ( )
```

Controller Action for Users view

Returns

6.33 DotNetIdentity.Models.DataModels.SessionCache Class Reference

class to define a SessionCache object

Properties

```
    string? id [get, set]
        proerty id
    byte?[] Value [get, set]
        property value
    DateTime ExpiresAtTime [get, set]
        property ExpiresAtTime
    int SlidingExpirationInSeconds [get, set]
        property SlidingExpirationInSeconds
    DateTime? AbsoluteExpiration [get, set]
        property AbsoluteExpiration
```

6.33.1 Detailed Description

class to define a SessionCache object

Definition at line 11 of file SessionCache.cs.

6.33.2 Property Documentation

6.33.2.1 AbsoluteExpiration

```
DateTime? DotNetIdentity.Models.DataModels.SessionCache.AbsoluteExpiration [get], [set]
```

property AbsoluteExpiration

DateTime

Definition at line 37 of file SessionCache.cs. 00037 {get; set;}

6.33.2.2 ExpiresAtTime

```
DateTime DotNetIdentity.Models.DataModels.SessionCache.ExpiresAtTime [get], [set]
```

property ExpiresAtTime

DateTime

Definition at line 27 of file SessionCache.cs. 00027 {get; set;}

6.33.2.3 id

```
string? DotNetIdentity.Models.DataModels.SessionCache.id [get], [set]
```

proerty id

int

Definition at line 17 of file SessionCache.cs. 00017 {get;set;}

6.33.2.4 SlidingExpirationInSeconds

 $int \ \ Dot Net I dentity. Models. Data Models. Session Cache. Sliding Expiration In Seconds \quad [get], \quad [set] \\$

property SlidingExpirationInSeconds

int

Definition at line 32 of file SessionCache.cs.

00032 {get; set;}

6.33.2.5 Value

byte? [] DotNetIdentity.Models.DataModels.SessionCache.Value [get], [set]

property value

byte[]

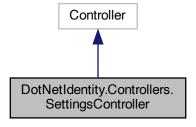
Definition at line 22 of file SessionCache.cs.

00022 {get;set;}

6.34 DotNetIdentity.Controllers.SettingsController Class Reference

controller class for settings views

Inheritance diagram for DotNetIdentity.Controllers.SettingsController:



Public Member Functions

• SettingsController (ILogger < SettingsController > log, ISettingsService sett, IStringLocalizer < SettingsController > loc, UserManager < AppUser > usr, RoleManager < AppRole > rol, IWebHostEnvironment env)

class constructor

ActionResult SettingsLdap ()

Controller action for SettingsLdap view

• ActionResult SettingsMail ()

Controller action for SettingsMail view

ActionResult SettingsApp ()

Controller action for SettingsApp view

async Task< IActionResult > SettingsMail (MailSettings viewModel)

controller POST method to save Mail settings

async Task< IActionResult > SettingsMail (GlobalSettings viewModel)

controller POST method to save Application settings

async Task< | ActionResult > SettingsLdap (LdapSettings viewModel)

controller POST method to save Idap settings

6.34.1 Detailed Description

controller class for settings views

Todo add translation

Definition at line 21 of file SettingsController.cs.

6.34.2 Constructor & Destructor Documentation

6.34.2.1 SettingsController()

class constructor

Parameters

sett	ISettingsService
loc	IStringLocalizer
usr	UserManager
rol	RoleManager
log	ILogger

Generated by Doxygen

///

Parameters

```
env | IWebHostEnvironment
```

Definition at line 57 of file SettingsController.cs.

6.34.3 Member Function Documentation

6.34.3.1 SettingsApp()

ActionResult DotNetIdentity.Controllers.SettingsController.SettingsApp () [inline]

Controller action for SettingsApp view

Returns

view SettingsApp

```
Definition at line 90 of file SettingsController.cs.
```

6.34.3.2 SettingsLdap() [1/2]

ActionResult DotNetIdentity.Controllers.SettingsController.SettingsLdap () [inline]

Controller action for SettingsLdap view

Returns

view SettingsLdap

Definition at line 70 of file SettingsController.cs.

6.34.3.3 SettingsLdap() [2/2]

controller POST method to save Idap settings

Parameters

LdapSettings

Returns

view

Definition at line 143 of file SettingsController.cs.

```
00144
00145
00146
                          _settings.Ldap.LdapDomainName = viewModel.LdapDomainName;
                          __settings.Ldap.LdapDomainController = viewModel.LdapDomainName;
_settings.Ldap.LdapBaseDn = viewModel.LdapBaseDn;
00147
                          _settings.LdapEnabled = viewModel.LdapEnabled;
00148
00149
                          _settings.Ldap.LdapGroup = viewModel.LdapGroup;
                          await _settings.Save();
_logger.LogInformation("AUDIT: " + User.Identity!.Name + " modified Ldap settings! ");
00150
00151
                          ViewData["message"] = _localizer["1"];
00152
00153
                          return View();
00154
```

References DotNetIdentity.Models.BusinessModels.LdapSettings.LdapBaseDn, DotNetIdentity.Models.BusinessModels.LdapSettings.DotNetIdentity.Models.BusinessModels.LdapSettings.LdapEnabled, and DotNetIdentity.Models.BusinessModels.LdapSettings.LdapG

6.34.3.4 SettingsMail() [1/3]

ActionResult DotNetIdentity.Controllers.SettingsController.SettingsMail () [inline]

Controller action for SettingsMail view

Returns

view SettingsMail

Definition at line 80 of file SettingsController.cs.

6.34.3.5 SettingsMail() [2/3]

```
\label{lem:async} \verb| Task < IActionResult > DotNetIdentity.Controllers.SettingsController.SettingsMail ( | GlobalSettings | viewModel |) [inline] \\
```

controller POST method to save Application settings

Parameters

viewModel	GlobalSettings

Returns

view

Definition at line 124 of file SettingsController.cs.

```
00125
                      _settings.Global.ApplicationName = viewModel.ApplicationName;
00126
00127
                      _settings.Global.SessionCookieExpiration = viewModel.SessionCookieExpiration;
00128
                      _settings.Global.SessionTimeoutWarnAfter = viewModel.SessionTimeoutWarnAfter;
00129
                      _settings.Global.SessionTimeoutRedirAfter = viewModel.SessionTimeoutRedirAfter;
00130
                      await settings.Save();
                      _logger.LogInformation("AUDIT: " + User.Identity!.Name + " modified Application
00131
       settings! ");
00132
                      ViewData["message"] = _localizer["1"];
00133
00134
```

References DotNetIdentity.Models.BusinessModels.GlobalSettings.ApplicationName, DotNetIdentity.Models.BusinessModels.GlobalSettings.SessionTimeoutRedirAfter, and DotNetIdentity.Models.BusinessModels.GlobalSettings.BusinessModels.GlobalSettings.BusinessModels.GlobalSettings.BusinessModels.GlobalSettings.BusinessModels.GlobalSettings.BusinessModels.GlobalSettings.BusinessModels.GlobalSettings.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessModels.BusinessMod

6.34.3.6 SettingsMail() [3/3]

controller POST method to save Mail settings

Parameters

```
viewModel MailSettings
```

Returns

view

Definition at line 103 of file SettingsController.cs.

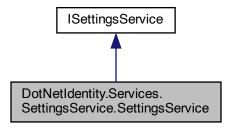
```
00104
                      _settings.Mail.SmtpServer = viewModel.SmtpServer;
00105
                      _settings.Mail.SmtpFromAddress = viewModel.SmtpFromAddress;
00106
                      _settings.Mail.SmtpPort = viewModel.SmtpPort;
00107
                      _settings.Mail.SmtpUseTls = viewModel.SmtpUseTls;
00108
00109
                      _settings.Mail.Username = viewModel.Username;
00110
                      _settings.Mail.Password = viewModel.Password;
00111
                      await settings.Save();
                       logger.LogInformation("AUDIT: " + User.Identity!.Name + " modified Mail settings! ");
00112
                      ViewData["message"] = _localizer["1"];
00113
                      return View();
00115
```

References DotNetIdentity.Models.BusinessModels.MailSettings.Password, DotNetIdentity.Models.BusinessModels.MailSettings.SmtpDotNetIdentity.Models.BusinessModels.MailSettings.SmtpPort, DotNetIdentity.Models.BusinessModels.MailSettings.SmtpServer, DotNetIdentity.Models.BusinessModels.MailSettings.SmtpUseTls, and DotNetIdentity.Models.BusinessModels.MailSettings.Usernam

6.35 DotNetIdentity.Services.SettingsService.SettingsService Class Reference

class for settings service

Inheritance diagram for DotNetIdentity.Services.SettingsService.SettingsService:



Public Member Functions

• SettingsService (AppDbContext unitOfWork)

class constructor

async Task Save ()
 save method

Properties

• LdapSettings Ldap [get]

global settings property

• GlobalSettings Global [get]

global settings property

• MailSettings Mail [get]

mail settzings property

6.35.1 Detailed Description

class for settings service

Definition at line 8 of file SettingsService.cs.

6.35.2 Constructor & Destructor Documentation

6.35.2.1 SettingsService()

```
\label{lem:potNetIdentity.Services.SettingsService.SettingsService ( $$ AppDbContext $unitOfWork $) $ [inline] $
```

class constructor

Parameters

```
unitOfWork
```

Definition at line 45 of file SettingsService.cs.

```
00046
00047
    // ARGUMENT CHECKING SKIPPED FOR BREVITY
00048
    _unitOfWork = unitOfWork;
00049
    // 3
00050
    _globalSettings = new Lazy<GlobalSettings>(CreateSettings<GlobalSettings>);
00051
    _mailSettings = new Lazy<MailSettings>(CreateSettings<MailSettings>);
00052
    _ldapSettings = new Lazy<LdapSettings>(CreateSettings<LdapSettings>);
00053
}
```

6.35.3 Member Function Documentation

6.35.3.1 Save()

```
async Task DotNetIdentity.Services.SettingsService.SettingsService.Save ( ) [inline]
```

save method

Returns

Implements DotNetIdentity.Services.SettingsService.ISettingsService.

Definition at line 59 of file SettingsService.cs.

```
00060
00061
              // only save changes to settings that have been loaded
00062
              if (_globalSettings.IsValueCreated)
00063
                  await _globalSettings.Value.Save(_unitOfWork);
00064
00065
              if (_mailSettings.IsValueCreated)
00066
                  await _mailSettings.Value.Save(_unitOfWork);
00067
00068
              if (_ldapSettings.IsValueCreated)
                  await _ldapSettings.Value.Save(_unitOfWork);
00069
00070
00071
              await _unitOfWork.SaveChangesAsync();
00072
```

6.35.4 Property Documentation

6.35.4.1 Global

```
GlobalSettings DotNetIdentity.Services.SettingsService.SettingsService.Global [get]
```

global settings property

Implements DotNetIdentity.Services.SettingsService.ISettingsService.

```
Definition at line 26 of file SettingsService.cs.
00026 { get { return _globalSettings.Value; } }
```

6.35.4.2 Ldap

```
LdapSettings DotNetIdentity.Services.SettingsService.SettingsService.Ldap [get]
global settings property
```

Implements DotNetIdentity.Services.SettingsService.ISettingsService.

```
Definition at line 17 of file SettingsService.cs.
00017 { get { return _ldapSettings.Value; } }
```

6.35.4.3 Mail

```
MailSettings DotNetIdentity.Services.SettingsService.SettingsService.Mail [get]
mail settzings property
```

 $Implements\ Dot Net Identity. Services. Settings Service. IS ettings Service.$

```
Definition at line 35 of file SettingsService.cs.
00035 { get { return _mailSettings.Value; } }
```

6.36 DotNetIdentity.Models.ViewModels.SignInViewModel Class Reference

model for Login view

Properties

```
    string UserName = string.Empty [get, set]
        the username
    string Password = default! [get, set]
        the password
    bool RememberMe = true [get, set]
        the set cookie persisten option
```

6.36.1 Detailed Description

model for Login view

Definition at line 6 of file SignInViewModel.cs.

6.36.2 Property Documentation

6.36.2.1 Password

```
string DotNetIdentity.Models.ViewModels.SignInViewModel.Password = default! [get], [set]
```

the password

string

Definition at line 17 of file SignInViewModel.cs.

00017 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.Login().

6.36.2.2 RememberMe

```
bool DotNetIdentity.Models.ViewModels.SignInViewModel.RememberMe = true [get], [set]
```

the set cookie persisten option

bool

Definition at line 22 of file SignInViewModel.cs.

00022 { get; set; } = true;

Referenced by DotNetIdentity.Controllers.UserController.Login().

6.36.2.3 UserName

```
string DotNetIdentity.Models.ViewModels.SignInViewModel.UserName = string.Empty [get], [set]
```

the username

string

Definition at line 12 of file SignInViewModel.cs.

00012 {get; set;} = string.Empty;

Referenced by DotNetIdentity.Controllers.UserController.Login().

6.37 DotNetIdentity.Models.ViewModels.SignUpViewModel Class Reference

model for Register view

Properties

6.37.1 Detailed Description

model for Register view

Definition at line 6 of file SignUpViewModel.cs.

6.37.2 Property Documentation

6.37.2.1 BirthDay

```
DateTime DotNetIdentity.Models.ViewModels.SignUpViewModel.BirthDay [get], [set]
```

the birthday

DateTime

```
Definition at line 27 of file SignUpViewModel.cs. 00027 { get; set; }
```

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.2 Department

Department DotNetIdentity.Models.ViewModels.SignUpViewModel.Department = Department.Software
[get], [set]

the department

Department

Definition at line 32 of file SignUpViewModel.cs.
00032 { get; set; } = Department.Software;

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.3 Email

string DotNetIdentity.Models.ViewModels.SignUpViewModel.Email = default! [get], [set]

the email

string

Definition at line 17 of file SignUpViewModel.cs.

00017 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.4 FirstName

string DotNetIdentity.Models.ViewModels.SignUpViewModel.FirstName = string.Empty [get], [set]

the firstname

string

Definition at line 42 of file SignUpViewModel.cs.

00042 {get; set;} = string.Empty;

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.5 Gender

Gender DotNetIdentity.Models.ViewModels.SignUpViewModel.Gender = Gender.Unknown [get], [set]

the gender

Gender

Definition at line 22 of file SignUpViewModel.cs.

00022 { get; set; } = Gender.Unknown;

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.6 LastName

```
string DotNetIdentity.Models.ViewModels.SignUpViewModel.LastName = string.Empty [get], [set]
```

the lastname

string

Definition at line 47 of file SignUpViewModel.cs.

```
00047 {get; set;} = string.Empty;
```

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.7 Password

```
string DotNetIdentity.Models.ViewModels.SignUpViewModel.Password = default! [get], [set]
```

the password

string

Definition at line 37 of file SignUpViewModel.cs.

00037 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.37.2.8 UserName

```
string DotNetIdentity.Models.ViewModels.SignUpViewModel.UserName = default! [get], [set]
```

the username

string

Definition at line 12 of file SignUpViewModel.cs.

```
00012 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.UserController.Register().

6.38 DotNetIdentity.Models.ViewModels.StatusCodesModel Class Reference

model for Error Statuscodes

Properties

```
    int StatusCode [get, set]
        the status code
    string? ErrorMessage [get, set]
        the error message
    string? RouteOfException [get, set]
        the route that thowed the exception
```

6.38.1 Detailed Description

model for Error Statuscodes

Definition at line 5 of file StatusCodesModel.cs.

6.38.2 Property Documentation

6.38.2.1 ErrorMessage

```
string? DotNetIdentity.Models.ViewModels.StatusCodesModel.ErrorMessage [get], [set]
the error message
string
```

Definition at line 15 of file StatusCodesModel.cs. 00015 {get; set;}

6.38.2.2 RouteOfException

```
string? DotNetIdentity.Models.ViewModels.StatusCodesModel.RouteOfException [get], [set]
```

the route that thowed the exception

string

Definition at line 20 of file StatusCodesModel.cs. 00020 {get; set;}

6.38.2.3 StatusCode

```
int DotNetIdentity.Models.ViewModels.StatusCodesModel.StatusCode [get], [set]
the status code
int
Definition at line 10 of file StatusCodesModel.cs.
00010 {get; set;}
```

DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService **Class Reference**

class providing 2fa auth services

Public Member Functions

- TwoFactorAuthenticationService (IConfiguration cnf, UrlEncoder urlEncoder, ISettingsService sett)
- string GenerateQrCodeUri (string email, string authenticatorKey) method to generate a barcode for 2fa configuration

6.39.1 Detailed Description

class providing 2fa auth services

Definition at line 8 of file TwoFactorAuthenticationService.cs.

6.39.2 Constructor & Destructor Documentation

6.39.2.1 TwoFactorAuthenticationService()

```
{\tt DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService.TwoFactorAuthenticationService} \\
             IConfiguration cnf,
             UrlEncoder urlEncoder,
             ISettingsService sett ) [inline]
```

class constructor

Parameters

cnf	IConfiguration
urlEncoder	UrlEncoder
Sett Generated by Doxy	ISettingsService

Definition at line 29 of file TwoFactorAuthenticationService.cs.

6.39.3 Member Function Documentation

6.39.3.1 GenerateQrCodeUri()

```
string DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService.GenerateQrCodeUri ( string email, string authenticatorKey) [inline]
```

method to generate a barcode for 2fa configuration

Parameters

email	string
authenticatorKey	string

Returns

string

Definition at line 42 of file TwoFactorAuthenticationService.cs.

6.40 DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorView Model Class Reference

model for TwoFactorAuthenticator view

Properties

```
    string SharedKey = default! [get, set]
        the shared key
    string AuthenticationUri = default! [get, set]
        the auth uri
    string VerificationCode = default! [get, set]
        the otp code
```

6.40.1 Detailed Description

model for TwoFactorAuthenticator view

Definition at line 6 of file TwoFactorAuthenticatorViewModel.cs.

6.40.2 Property Documentation

6.40.2.1 AuthenticationUri

```
string DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModel.AuthenticationUri =
default! [get], [set]
```

the auth uri

string

Definition at line 17 of file TwoFactorAuthenticatorViewModel.cs.

```
00017 { get; set; } = default!;
```

6.40.2.2 SharedKey

```
string DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModel.SharedKey = default!
[get], [set]
```

the shared key

string

Definition at line 12 of file TwoFactorAuthenticatorViewModel.cs.

```
00012 { get; set; } = default!;
```

6.40.2.3 VerificationCode

```
string DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModel.VerificationCode =
default! [get], [set]
```

the otp code

string

Definition at line 22 of file TwoFactorAuthenticatorViewModel.cs.

```
00022 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.UserController.EnforceTwoFactorAuthenticator(), and DotNetIdentity.Controllers.UserCo

6.41 DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel Class Reference

the model for TwoFactorLogin view

Properties

```
    string VerificationCode = default! [get, set]
        the otp code
    bool IsRecoveryCode [get, set]
        bool if otp code is a recovery code
    TwoFactorType TwoFactorType [get, set]
        the type of 2fa
```

6.41.1 Detailed Description

the model for TwoFactorLogin view

Definition at line 6 of file TwoFactorLoginVieWModel.cs.

6.41.2 Property Documentation

6.41.2.1 IsRecoveryCode

```
\verb|bool DotNetIdentity.Models.ViewModels.TwoFactorLoginViewModel.IsRecoveryCode [get], [set]|\\
```

bool if otp code is a recovery code

bool

```
Definition at line 17 of file TwoFactorLoginVieWModel.cs. 00017 { get; set; }
```

6.41.2.2 TwoFactorType

```
TwoFactorType DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel.TwoFactorType [get],
[set]
```

the type of 2fa

TwoFactorType

Definition at line 22 of file TwoFactorLoginVieWModel.cs. 00022 { get; set; }

Referenced by DotNetIdentity.Controllers.UserController.TwoFactorLogin().

6.41.2.3 VerificationCode

```
string DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel.VerificationCode = default!
[get], [set]
```

the otp code

string

Definition at line 12 of file TwoFactorLoginVieWModel.cs. 00012 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.UserController.TwoFactorLogin().

6.42 DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModel Class Reference

model for TwoFactorType view

Properties

• TwoFactorType TwoFactorType [get, set] the 2fa type

6.42.1 Detailed Description

model for TwoFactorType view

Definition at line 6 of file TwoFactorTypeViewModel.cs.

6.42.2 Property Documentation

6.42.2.1 TwoFactorType

TwoFactorType DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModel.TwoFactorType [get],
[set]

the 2fa type

TwoFactorType

Definition at line 12 of file TwoFactorTypeViewModel.cs. 00012 { get; set; }

 $Referenced\ by\ Dot Net Identity. Controllers. User Controller. Two Factor Type ().$

6.43 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel Class Reference

model for UpdateProfile view

Properties

```
string UserName = default! [get, set]
    the username
string Email = default! [get, set]
    the email
string PhoneNumber = default! [get, set]
    the phone number
Gender Gender [get, set]
    the gender
DateTime BirthDay [get, set]
    the birthday
IFormFile? ProfilePicture [get, set]
    the profile picture
```

6.43.1 Detailed Description

model for UpdateProfile view

Definition at line 6 of file UpdateProfileViewModel.cs.

6.43.2 Property Documentation

6.43.2.1 BirthDay

```
DateTime DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.BirthDay [get], [set]
```

the birthday

DateTime

```
Definition at line 32 of file UpdateProfileViewModel.cs. 00032 { get; set; }
```

Referenced by DotNetIdentity.Controllers.UserController.Profile().

6.43.2.2 Email

```
string DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.Email = default! [get], [set]
```

the email

string

Definition at line 17 of file UpdateProfileViewModel.cs.

```
00017 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.UserController.Profile().

6.43.2.3 Gender

```
Gender DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.Gender [get], [set]
```

the gender

Gender

Definition at line 27 of file UpdateProfileViewModel.cs.

Referenced by DotNetIdentity.Controllers.UserController.Profile().

6.43.2.4 PhoneNumber

```
string DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.PhoneNumber = default! [get],
[set]
```

the phone number

string

Definition at line 22 of file UpdateProfileViewModel.cs.

```
00022 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.UserController.Profile().

6.43.2.5 ProfilePicture

```
IFormFile? DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.ProfilePicture [get], [set]
```

the profile picture

IFormFile

Definition at line 37 of file UpdateProfileViewModel.cs. 00037 { get; set; }

Referenced by DotNetIdentity.Controllers.UserController.Profile().

6.43.2.6 UserName

```
string DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.UserName = default! [get],
[set]
```

the username

string

```
Definition at line 12 of file UpdateProfileViewModel.cs. 00012 { get; set; } = default!;
```

Referenced by DotNetIdentity.Controllers.UserController.Profile().

6.44 DotNetIdentity.Models.ViewModels.UpsertRoleViewModel Class Reference

model for the UpsertRole view

Properties

```
    string? Id [get, set]
        the role id
    string Name = default! [get, set]
        the role name
```

6.44.1 Detailed Description

model for the UpsertRole view

Definition at line 6 of file UpsertRoleViewModel.cs.

6.44.2 Property Documentation

6.44.2.1 ld

```
string? DotNetIdentity.Models.ViewModels.UpsertRoleViewModel.Id [get], [set]
the role id
```

string

```
Definition at line 12 of file UpsertRoleViewModel.cs. 00012 { get; set; }
```

Referenced by DotNetIdentity.Controllers.AdminController.UpsertRole().

6.44.2.2 Name

```
string DotNetIdentity.Models.ViewModels.UpsertRoleViewModel.Name = default! [get], [set]
```

the role name

string

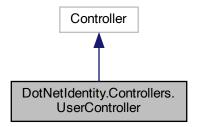
Definition at line 17 of file UpsertRoleViewModel.cs. 00017 { get; set; } = default!;

Referenced by DotNetIdentity.Controllers.AdminController.UpsertRole().

6.45 DotNetIdentity.Controllers.UserController Class Reference

Controller Class for User views

Inheritance diagram for DotNetIdentity.Controllers.UserController:



Public Member Functions

UserController (IStringLocalizer < UserController > localizer, ILogger < UserController > log, IWebHost ←
 Environment webhostEnviroment, UserManager < AppUser > userManager, SignInManager < AppUser >
 signInManager, TwoFactorAuthenticationService twoFactorAuthService, EmailHelper emailHelper)

Controller constructor

• IActionResult Register ()

Controller action for Register view

IActionResult debugUserInfo ()

Controller action for DebugUserInfo view

• IActionResult ping ()

Controller action for Ping view

async Task< IActionResult > Register (SignUpViewModel viewModel)

Controller POST method for Register view

async Task< IActionResult > Login (string? returnUrl)

Controller action for Login view

async Task< IActionResult > Login (SignInViewModel viewModel)

Controller POST method for Login view

async Task< | ActionResult > TwoFactorLogin (string? returnUrl)

Controller action for view TwoFactorLogin

async Task< IActionResult > TwoFactorLogin (TwoFactorLoginVieWModel vieWModel)

controller POST method for TwoFactorLogin view

async Task Logout ()

controller action for Logout

async Task< IActionResult > Profile ()

controller action for Profile view

async Task< IActionResult > Profile (UpdateProfileViewModel viewModel)

controller POST methood for Profile view

IActionResult ChangePassword ()

controller action for ChangePassword view

async Task< IActionResult > ChangePassword (ChangePasswordViewModel viewModel)

controller POST method for ChangePassword view

• IActionResult ForgotPassword ()

controller action for ForgotPassword view

async Task< IActionResult > ForgotPassword (ForgotPasswordViewModel viewModel)

controller POST method for ForgotPassword view

IActionResult ResetPassword (string userId, string token)

controller action for ResetPassword view

async Task < IActionResult > ResetPassword (ResetPasswordViewModel viewModel)

controller POST method for ResetPassword view

async Task< | ActionResult > ConfirmEmail (string userId, string token)

controller action for ConfirmEmail view

async Task< IActionResult > TwoFactorType ()

controller action for view TwiFactorType

• async Task< IActionResult > TwoFactorType (TwoFactorTypeViewModel viewModel)

controller POST method for view TwoFactorType

async Task< IActionResult > EnforceTwoFactorAuthenticator ()

controller action for view EnforceTwoFactorAuthenticator

controller POST method for view EnforceTwoFactorAuthenticator

async Task< IActionResult > EnforceTwoFactorResult ()

controller action for view EnforceTwoFactorResult

async Task< IActionResult > TwoFactorAuthenticator ()

controller action for view TwoFActorAuthenticator

• async Task< IActionResult > TwoFactorAuthenticator (TwoFactorAuthenticatorViewModel viewModel)

controller POST method for view TwoFActorAuthenticator

6.45.1 Detailed Description

Controller Class for User views

Definition at line 19 of file UserController.cs.

6.45.2 Constructor & Destructor Documentation

6.45.2.1 UserController()

Controller constructor

Parameters

localizer	type IStringLocalizer
log	type ILogger
webhostEnviroment	type lwebHostEnviroment
userManager	type UserManager
signInManager	type SlgnInManager
twoFactorAuthService	type TwoFactorAuthService
emailHelper	työe EmailHelper

Definition at line 60 of file UserController.cs.

6.45.3 Member Function Documentation

6.45.3.1 ChangePassword() [1/2]

```
IActionResult DotNetIdentity.Controllers.UserController.ChangePassword ( ) controller action for ChangePassword view
```

Returns

view ChangePassword

6.45.3.2 ChangePassword() [2/2]

```
\label{lem:async} {\tt async Task< IActionResult > DotNetIdentity.Controllers.UserController.ChangePassword(Controllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserControllers.UserCo
```

controller POST method for ChangePassword view

Parameters

viewModel	ChangePasswordViewModel
-----------	-------------------------

Returns

redirect to action Index

```
Definition at line 409 of file UserController.cs.
```

```
00411
                   if (ModelState.IsValid)
00412
00413
                       var me = await _userManager.FindByNameAsync(User.Identity?.Name);
00414
00415
                       var passwordValid = await _userManager.CheckPasswordAsync(me, viewModel.Password);
                       if (passwordValid)
00416
00417
00418
                           var result = await _userManager.ChangePasswordAsync(me, viewModel.Password,
       viewModel.NewPassword);
00419
                           if (result.Succeeded)
00420
00421
                                await _userManager.UpdateSecurityStampAsync(me);
00422
00423
                                await _signInManager.SignOutAsync();
                               await _signInManager.SignInAsync(me, true);
_logger.LogInformation("AUDIT: " + me.UserName + " successfully changed own
00424
00425
       password!");
00426
00427
                                return RedirectToAction("Index", "Admin");
00428
00429
                            _logger.LogWarning("AUDIT: " + me.UserName + "tried to change password. Error: " +
       result.Errors.FirstOrDefault()!.ToString());
00430
                           result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
       f.Description));
00431
00432
00433
                            _logger.LogWarning("AUDIT: " + me.UserName + " tried to change password. But
00434
       provided invalid current pasword!");
00435
                           ModelState.AddModelError(string.Empty, _localizer["8"]);
00436
00437
00438
                   return View();
00439
00440
```

References DotNetIdentity.Models.ViewModels.ChangePasswordViewModel.NewPassword, and DotNetIdentity.Models.ViewModels.Vie

6.45.3.3 ConfirmEmail()

controller action for ConfirmEmail view

Parameters

user⊷	the user id
ld	
token	the confirmation token

Returns

redirect to action Index

Definition at line 545 of file UserController.cs.

```
00547
                  var user = await _userManager.FindByIdAsync(userId);
00548
                  if (user != null)
00549
00550
                      var result = await _userManager.ConfirmEmailAsync(user, token);
00551
                      if (result.Succeeded)
00552
00553
                          _logger.LogInformation("AUDIT: " + user.UserName + " successfully confirmed email
      addres!");
00554
                          return RedirectToAction("Login");
00555
00557
                  return RedirectToAction("Index", "Home");
00558
```

6.45.3.4 debugUserInfo()

```
IActionResult DotNetIdentity.Controllers.UserController.debugUserInfo ( )
```

Controller action for DebugUserInfo view

Returns

view DebugUserInfo

6.45.3.5 EnforceTwoFactorAuthenticator() [1/2]

async Task< IActionResult > DotNetIdentity.Controllers.UserController.EnforceTwoFactorAuthenticator
() [inline]

controller action for view EnforceTwoFactorAuthenticator

Returns

view EnforceTwoFactorAuthenticator

Definition at line 602 of file UserController.cs.

```
00604
                  var user = await _userManager.FindByNameAsync(User.Identity?.Name);
00605
                  user.TwoFactorType = Models.TwoFactorType.Authenticator;
                  await _userManager.UpdateAsync(user);
00606
00607
00608
                  var authenticatorKey = await _userManager.GetAuthenticatorKeyAsync(user);
                  if (authenticatorKey == null)
00609
00610
00611
                      await _userManager.ResetAuthenticatorKeyAsync(user);
00612
                      authenticatorKey = await _userManager.GetAuthenticatorKeyAsync(user);
00613
                  }
00614
00615
                  return View (new TwoFactorAuthenticatorViewModel
00616
00617
                      SharedKey = authenticatorKey,
00618
                      AuthenticationUri = _twoFactorAuthService.GenerateQrCodeUri(user.Email,
      authenticatorKey)
00619
                 });
00620
```

6.45.3.6 EnforceTwoFactorAuthenticator() [2/2]

controller POST method for view EnforceTwoFactorAuthenticator

Parameters

```
viewModel type TwoFactorAuthenticatorViewModel
```

Returns

redirect to action EnforceTwoFactorResult

Definition at line 628 of file UserController.cs.

```
00629
                   var user = await _userManager.FindByNameAsync(User.Identity?.Name);
00630
00631
00632
                   var verificationCode = viewModel.VerificationCode.Replace(" ", string.Empty).Replace("-",
      string.Empty);
00633
00634
                   var isTokenValid = await _userManager.VerifyTwoFactorTokenAsync(user,
       _userManager.Options.Tokens.AuthenticatorTokenProvider, verificationCode);
00635
                   if (isTokenValid)
00636
                       if(user.IsMfaForce && user.TwoFactorEnabled==false) {
00638
                           await _userManager.SetTwoFactorEnabledAsync(user, true);
00639
                           user.IsMfaForce = false;
00640
                           await _userManager.UpdateAsync(user);
00641
00642
                       TempData["RecoveryCodes"] = await
00643
       _userManager.GenerateNewTwoFactorRecoveryCodesAsync(user, 5);
00644
                   _logger.LogInformation("AUDIT: " + user.UserName + " successfully configured 2fa after
00645
       enforcement. Redirecting to action: EnforceTwoFactorResult");

return RedirectToAction("EnforceTwoFactorResult", "User");
00646
```

 ${\bf References}\ {\bf DotNetIdentity}. Models. View Models. Two Factor Authenticator View Model. Verification Code.$

6.45.3.7 EnforceTwoFactorResult()

```
async Task< IActionResult > DotNetIdentity.Controllers.UserController.EnforceTwoFactorResult (
) [inline]
```

controller action for view EnforceTwoFactorResult

Returns

view EnforceTwoFactorResult

```
Definition at line 653 of file UserController.cs.
```

6.45.3.8 ForgotPassword() [1/2]

IActionResult DotNetIdentity.Controllers.UserController.ForgotPassword ()

controller action for ForgotPassword view

Returns

view ForgotPassword

6.45.3.9 ForgotPassword() [2/2]

```
async Task< IActionResult > DotNetIdentity.Controllers.UserController.ForgotPassword ( ForgotPasswordViewModel viewModel ) [inline]
```

controller POST method for ForgotPassword view

Parameters

viewMod	lel	ForgotPasswordViewModel	
---------	-----	-------------------------	--

Returns

redirect to action Index

Definition at line 454 of file UserController.cs.

```
00455
00456
                  if (ModelState.IsValid)
00457
00458
                      var user = await _userManager.FindByEmailAsync(viewModel.Email);
00459
                      if (user != null)
00460
00461
                          var passwordResetToken = await _userManager.GeneratePasswordResetTokenAsync(user);
00462
                          var passwordLink = Url.Action("ResetPassword", "User", new
00463
00464
00465
                               userId = user.Id,
00466
                               token = passwordResetToken
                          }, HttpContext.Request.Scheme);
00467
00468
00469
                          await _emailHelper.SendAsync(new()
00470
00471
                               Subject = "Reset password",
00472
                               Body = $"Please <a href='{passwordLink}'>click</a> to reset your password.",
00473
                              To = user.Email
00474
                          });
                           _logger.LogWarning("AUDIT: " + user.UserName + " requested a password reset!");
00475
00476
                          return RedirectToAction("Index", "Home");
00477
00478
00479
00480
                          ModelState.AddModelError(string.Empty, _localizer["9"]);
00481
00482
00483
                  return View(viewModel);
00484
```

 $References\ Dot Net Identity. Models. View Models. For got Password View Model. Email.$

6.45.3.10 Login() [1/2]

Controller POST method for Login view

Todo Implement Ldap Login

Returns

Redirect to action

Definition at line 161 of file UserController.cs.

```
00163
                  if (ModelState.IsValid)
00164
                      var user = await _userManager.FindByNameAsync(viewModel.UserName);
00165
00166
                      if (user != null)
00167
00168
                          await _signInManager.SignOutAsync();
00169
00170
                         var result = await _signInManager.PasswordSignInAsync(user, viewModel.Password,
       viewModel.RememberMe, true);
00171
                          if(result.Succeeded && user.IsEnabled==false) {
00172
                              await _signInManager.SignOutAsync();
00173
                              _logger.LogWarning("AUDIT: " + user.UserName + " logged in successfully. But
       account is disabled!");
00174
                             ModelState.AddModelError(string.Empty, _localizer["1"]);
00175
00176
                          else if (result.Succeeded && user.IsMfaForce==true) {
                             await _userManager.ResetAccessFailedCountAsync(user);
await _userManager.SetLockoutEndDateAsync(user, null);
00177
00178
00179
                               _logger.LogInformation("AUDIT: " + user.UserName + " logged in successfully.
       But MFA is enforced. Redirecting to action: EnforceTwoFactorAuthenticator");
00180
                              return RedirectToAction("EnforceTwoFactorAuthenticator");
00181
00182
                         else if (result.Succeeded && user.IsMfaForce==false)
00183
                              await _userManager.ResetAccessFailedCountAsync(user);
00184
00185
                              await _userManager.SetLockoutEndDateAsync(user, null);
00186
                              _logger.LogInformation("AUDIT: " + user.UserName + " logged in
       successfully.");
00187
                              var returnUrl = TempData["ReturnUrl"];
00188
                              if (returnUrl != null)
00189
00190
                                  return Redirect(returnUrl.ToString() ?? "/");
00191
00192
                              return RedirectToAction("Index", "Admin");
00193
00194
                          else if (result.RequiresTwoFactor)
00195
                               logger.LogInformation("AUDIT: " + user.UserName + " logged in successfully.
00196
       But MFA is enabled. Redirecting to action: TwoFactorLogin");
00197
                              return RedirectToAction("TwoFactorLogin", new { ReturnUrl =
       TempData["ReturnUrl"] });
00198
00199
                          else if (result.IsLockedOut)
00200
00201
                              var lockoutEndUtc = await _userManager.GetLockoutEndDateAsync(user);
       00202
00203
00204
                              ModelState.AddModelError(string.Empty, _localizer["2",
       timeLeft.Minutes.ToString()]);
00205
00206
                          else if (result.IsNotAllowed)
00207
                          {
                               _logger.LogWarning("AUDIT: " + user.UserName + " logged in successfully. But
00208
       email is not confirmed!");
00209
                             ModelState.AddModelError(string.Empty, _localizer["3"]);
00210
                          else
00211
00212
                          {
                              _logger.LogWarning("AUDIT: " + user.UserName + " login in failed. Invalid
00213
       username or password!");
00214
                              ModelState.AddModelError(string.Empty, _localizer["4"]);
```

References DotNetIdentity.Models.ViewModels.SignInViewModel.Password, DotNetIdentity.Models.ViewModels.SignInViewModel.Read and DotNetIdentity.Models.ViewModels.SignInViewModel.UserName.

6.45.3.11 Login() [2/2]

Controller action for Login view

Parameters

returnUrl

Returns

view Login

Definition at line 145 of file UserController.cs.

6.45.3.12 Logout()

```
\verb|async Task DotNetIdentity.Controllers.UserController.Logout ()|\\
```

controller action for Logout

Returns

6.45.3.13 ping()

IActionResult DotNetIdentity.Controllers.UserController.ping ()

Controller action for Ping view

Returns

view Ping

6.45.3.14 Profile() [1/2]

```
async Task< IActionResult > DotNetIdentity.Controllers.UserController.Profile ( ) [inline]
```

controller action for Profile view

Returns

view Profile

Definition at line 304 of file UserController.cs.

```
00305
00306
                     var me = await _userManager.FindByNameAsync(User.Identity?.Name);
00307
                     if (me == null)
00308
00309
                          await _signInManager.SignOutAsync();
00310
                          return RedirectToAction("Index", "Home");
00311
00312
                    var mod = new UpdateProfileViewModel();
00313
                    mod.Email = me.Email;
                    mod.BirthDay = me.BirthDay;
mod.UserName = me.UserName;
00314
00315
00316
                    mod.PhoneNumber = me.PhoneNumber;
                    mod.Gender = me.Gender;
//return View(me.Adapt<UpdateProfileViewModel>());
return View(mod);
00317
00318
00319
00320
```

6.45.3.15 Profile() [2/2]

```
\label{local_async} \mbox{\tt Task< IActionResult > DotNetIdentity.Controllers.UserController.Profile (} \\ \mbox{\tt UpdateProfileViewModel } viewModel \ ) \ \ [inline]
```

controller POST methood for Profile view

Parameters

```
viewModel | type UpdateProfileViewModel
```

Returns

redirect to action Index

Definition at line 329 of file UserController.cs.

```
00331
                   if (ModelState.IsValid)
00332
00333
                       var me = await _userManager.FindByNameAsync(User.Identity?.Name);
00334
                       if (me != null)
00335
00336
                            if (me.PhoneNumber != viewModel.PhoneNumber && _userManager.Users.Any(a =>
       a.PhoneNumber == viewModel.PhoneNumber))
00337
00338
                               ModelState.AddModelError(string.Empty, _localizer["6"]);
00339
                           }
00340
                           else
00341
00342
                                if(viewModel.ProfilePicture!=null) {
                                    using (var memoryStream = new MemoryStream())
00343
00344
00345
                                        await viewModel.ProfilePicture.CopyToAsync(memoryStream);
00346
00347
                                        // Upload the file if less than 2 MB
00348
                                        if (memoryStream.Length < 2097152)</pre>
00349
                                            var format = "image/png";
var Content = memoryStream.ToArray();
00350
00351
00352
                                            var imageData =
       $"data:{format};base64,{Convert.ToBase64String(Content)}";
00353
                                            me.ProfilePicture = imageData;
00354
00355
00356
                                        else
00357
00358
                                            ModelState.AddModelError("File", _localizer["7"]);
00359
00360
00361
                                } else {
                                    me.ProfilePicture = null;
00362
00363
00364
00365
                                me.UserName = viewModel.UserName;
00366
                                me.Email = viewModel.Email;
00367
                                me.PhoneNumber = viewModel.PhoneNumber;
                               me.Gender = viewModel.Gender;
00368
                               me.BirthDay = viewModel.BirthDay:
00369
00370
                                //me.Department = viewModel.Department.ToString();
00371
00372
                                var result = await _userManager.UpdateAsync(me);
00373
                                if (result.Succeeded)
00374
                                    await _userManager.UpdateSecurityStampAsync(me);
00375
```

await _signInManager.SignOutAsvnc();

await _signInManager.SignOutAsync();

return RedirectToAction("Index", "Home");

await _signInManager.SignInAsync(me, true);

return RedirectToAction("Index", "Home");

References DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.BirthDay, DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.BirthDay, DotNetIdentity.Models.ViewModels.UpdateProfileViewModel.PhDotNetIdentity.Models.ViewModels.UpdateProfileViewModel.ProfilePicture, and DotNetIdentity.Models.ViewModels.UpdateProfileViewModels.UpdatePr

_logger.LogInformation("AUDIT: " + me.UserName + "successfully updated own

result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,

6.45.3.16 Register() [1/2]

user profile");

f.Description));

else

return View(viewModel):

IActionResult DotNetIdentity.Controllers.UserController.Register ()

Controller action for Register view

00376

00377

00378 00379

00380 00381

00382 00383

00384 00385 00386

00387 00388

00389

00390

00392

Returns

view Register

6.45.3.17 Register() [2/2]

```
\label{eq:async_task} \mbox{ async Task< IActionResult > DotNetIdentity.Controllers.UserController.Register (} \\ \mbox{ SignUpViewModel } viewModel \ ) \ \mbox{ [inline]}
```

Controller POST method for Register view

Parameters

viewModel

Returns

Redirect to action Login

```
Definition at line 97 of file UserController.cs.
```

```
00098
00099
                   if (ModelState.IsValid)
00100
00101
                       var user = new AppUser
00102
00103
                           FirstName = viewModel.FirstName,
00104
                           LastName = viewModel.LastName,
                          UserName = viewModel.UserName,
00105
00106
                           Email = viewModel.Email,
                           Gender = viewModel.Gender,
00107
00108
                           BirthDay = viewModel.BirthDay,
00109
                           Department = viewModel.Department.ToString(),
00110
                           TwoFactorType = Models.TwoFactorType.None,
00111
                           CreatedOn = DateTime.UtcNow,
                           IsEnabled = true
00112
00113
                      };
00114
00115
                       var result = await _userManager.CreateAsync(user, viewModel.Password);
00116
                       if (result.Succeeded)
00117
                           await _userManager.AddToRoleAsync(user, "User");
00118
00119
                          var confirmationToken = await
       _userManager.GenerateEmailConfirmationTokenAsync(user);
00120
                           var confirmationLink = Url.Action("ConfirmEmail", "User", new
00121
00122
                               userId = user.Id,
00123
                               token = confirmationToken
00124
                           }, HttpContext.Request.Scheme);
00125
00126
                           await _emailHelper.SendAsync(new()
00127
                           {
00128
                               Subject = "Confirm e-mail",
                               Body = $"Please <a href='{confirmationLink}'>click</a> to confirm your e-mail
00129
       address.",
00130
                               To = user.Email
00131
                          });
00132
                           _logger.LogInformation("AUDIT: " + "registered successfully new user: " +
       user.UserName);
00133
                           return RedirectToAction("Login");
00134
                      result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
00135
       f.Description));
00136
00137
                  return View(viewModel);
00138
```

References DotNetIdentity.Models.ViewModels.SignUpViewModel.BirthDay, DotNetIdentity.Models.ViewModels.SignUpViewModel.D DotNetIdentity.Models.ViewModels.SignUpViewModel.Email, DotNetIdentity.Models.SignUpViewModel.FirstName,

DotNetIdentity.Models.ViewModels.SignUpViewModel.Gender, DotNetIdentity.Models.ViewModels.SignUpViewModel.LastName, DotNetIdentity.Models.ViewModels.SignUpViewModel.UserName, and DotNetIdentity.Models.ViewModels.SignUpViewModel.UserName, DotNetIdentity.Models.SignUpViewModel.UserName, DotNetIdentity.Models.SignUpViewM

6.45.3.18 ResetPassword() [1/2]

```
\label{eq:async} \mbox{Task} < \mbox{IActionResult} > \mbox{DotNetIdentity.Controllers.UserController.ResetPassword (} \\ \mbox{ResetPasswordViewModel } \mbox{\it viewModel }) \mbox{\it [inline]}
```

controller POST method for ResetPassword view

Parameters

viewModel	type ResetPasswordViewModel]
-----------	-----------------------------	---

Returns

redirect to action Login

Definition at line 512 of file UserController.cs.

```
00514
                    if (ModelState.IsValid)
00515
00516
                        var user = await _userManager.FindByIdAsync(viewModel.UserId);
                        if (user != null)
00517
00518
00519
                            var result = await _userManager.ResetPasswordAsync(user, viewModel.Token,
       viewModel.Password);
00520
                             if (result.Succeeded)
00521
                                await _userManager.UpdateSecurityStampAsync(user);
_logger.LogInformation("AUDIT: " + user.UserName + "successfully resetted own
00522
00523
       password.");
00524
                                 return RedirectToAction("Login", "User");
00525
00526
00527
00528
                                 result.Errors.ToList().ForEach(f => ModelState.AddModelError(string.Empty,
       f.Description));
00529
00530
00531
00532
                            ModelState.AddModelError(string.Empty, "User not found.");
00533
00534
00535
00536
                    return View(viewModel);
00537
```

References DotNetIdentity.Models.ViewModels.ResetPasswordViewModel.Password, DotNetIdentity.Models.ViewModels.ResetPasswordViewModel.UserId.

6.45.3.19 ResetPassword() [2/2]

```
IActionResult DotNetIdentity.Controllers.UserController.ResetPassword ( string \ userId, \\ string \ token \ ) \ [inline]
```

controller action for ResetPassword view

Parameters

user⊷	the user id
ld	
token	the reset token

Returns

view ResetPassword

Definition at line 492 of file UserController.cs.

```
00494
                  if (userId == null || token == null)
00495
                      return RedirectToAction("Login", "User");
00496
00497
                  }
00498
00499
                  return View(new ResetPasswordViewModel
00500
                  {
00501
                      UserId = userId,
00502
                      Token = token
00503
                  });
00504
```

6.45.3.20 TwoFactorAuthenticator() [1/2]

```
async Task< IActionResult > DotNetIdentity.Controllers.UserController.TwoFactorAuthenticator (
) [inline]
```

controller action for view TwoFActorAuthenticator

Returns

view TwoFActorAuthenticator

Definition at line 662 of file UserController.cs.

```
00663
00664
                  var user = await _userManager.FindByNameAsync(User.Identity?.Name);
00665
                  if (user.TwoFactorEnabled && user.TwoFactorType == Models.TwoFactorType.Authenticator)
00666
                      var authenticatorKey = await _userManager.GetAuthenticatorKeyAsync(user);
00667
                      if (authenticatorKey == null)
00668
00669
00670
                          await _userManager.ResetAuthenticatorKeyAsync(user);
00671
                          authenticatorKey = await _userManager.GetAuthenticatorKeyAsync(user);
00672
00673
00674
                      return View(new TwoFactorAuthenticatorViewModel
00675
00676
                          SharedKey = authenticatorKey,
00677
                          AuthenticationUri = _twoFactorAuthService.GenerateQrCodeUri(user.Email,
       authenticatorKev)
00678
                      });
00679
                  return RedirectToAction("Index", "Home");
00681
```

6.45.3.21 TwoFactorAuthenticator() [2/2]

```
\label{eq:async_task} \mbox{ async Task< IActionResult > DotNetIdentity.Controllers.UserController.TwoFactorAuthenticator (} \\ \mbox{ TwoFactorAuthenticatorViewModel } viewModel \ viewModel \ ) \ \ [inline]
```

controller POST method for view TwoFActorAuthenticator

Parameters

viewModel type TwoFactorAuthenticatorViewModel

Returns

redirect to action TwoFactorType

Definition at line 689 of file UserController.cs.

```
00690
                  var user = await _userManager.FindByNameAsync(User.Identity?.Name);
00691
00692
                  var verificationCode = viewModel.VerificationCode.Replace(" ", string.Empty).Replace("-",
00693
      string.Empty);
00694
00695
                  var isTokenValid = await _userManager.VerifyTwoFactorTokenAsync(user,
      _userManager.Options.Tokens.AuthenticatorTokenProvider, verificationCode);
00696
                  if (isTokenValid)
00697
                  {
00698
                      if(user.IsMfaForce && user.TwoFactorEnabled==false) {
00699
                          await _userManager.SetTwoFactorEnabledAsync(user, true);
00700
                          user.IsMfaForce = false;
00701
                          await _userManager.UpdateAsync(user);
00702
                      }
00703
00704
                      TempData["RecoveryCodes"] = await
      _userManager.GenerateNewTwoFactorRecoveryCodesAsync(user, 5);
00705
00706
                  _logger.LogInformation("AUDIT: " + user.UserName + " successfully configured 2fa!");
00707
                  return RedirectToAction("TwoFactorType", "User");
00708
```

References DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModel.VerificationCode.

6.45.3.22 TwoFactorLogin() [1/2]

Controller action for view TwoFactorLogin

Parameters

returnUrl optional return url as string

Returns

view TwoFactorLogin

Definition at line 231 of file UserController.cs.

```
00232
00233
                  if (returnUrl != null)
00234
                  {
00235
                      TempData["ReturnUrl"] = returnUrl;
00236
00237
00238
                  var user = await _signInManager.GetTwoFactorAuthenticationUserAsync();
00239
00240
                  if (user.TwoFactorType == DotNetIdentity.Models.TwoFactorType.Email) {
00241
                      var token = await _userManager.GenerateTwoFactorTokenAsync(user, "Email");
00242
                      await _emailHelper.SendAsync(new()
```

```
{
                                 Subject = "Your 2fa code",
Body = $"Please use this " + token + " 2fa code to verify your login.",
00244
00245
00246
                                 To = user.Email
00247
                             });
00248
                              _logger.LogInformation("AUDIT: send otp code to " + user.Email);
                    }
00250
00251
                    return View(new TwoFactorLoginVieWModel
00252
00253
                         TwoFactorType = user.TwoFactorType,
00254
                    });
00255
```

References DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel.TwoFactorType.

6.45.3.23 TwoFactorLogin() [2/2]

```
\label{eq:async_task} \textbf{async Task} < \textbf{IActionResult} > \textbf{DotNetIdentity.Controllers.UserController.TwoFactorLogin (} \\ \textbf{TwoFactorLoginVieWModel } \textit{vieWModel} \ ) \ [inline]
```

controller POST method for TwoFactorLogin view

Parameters

vieWModel	tyle TwoFactorLoginVieWModel	l
-----------	------------------------------	---

Returns

rediret to return url

Definition at line 263 of file UserController.cs.

```
00265
                var user = await _signInManager.GetTwoFactorAuthenticationUserAsync();
00266
00267
                if (user.TwoFactorType == Models.TwoFactorType.Authenticator)
00268
                {
00269
                   var result = vieWModel.IsRecoveryCode ? await
      _signInManager.TwoFactorAuthenticatorSignInAsync(vieWModel.VerificationCode, true, false);
00270
                   if (result.Succeeded)
00271
                       _logger.LogInformation("AUDIT: " + user.UserName + "Authenticator 2fa verified
00272
      successfully");
00273
                       return Redirect(TempData["ReturnUrl"]?.ToString() ?? "/");
00274
00275
                    logger.LogWarning("AUDIT: " + user.UserName + "Authenticator 2fa verification failed.
      Invalid otp code");
00276
                   ModelState.AddModelError(string.Empty, _localizer["5"]);
00277
00278
                else if (user.TwoFactorType == Models.TwoFactorType.Email)
00279
00280
                   var result = vieWModel.IsRecoveryCode ? await
      _signInManager.TwoFactorSignInAsync("Email", vieWModel.VerificationCode, true, false);
00281
                   if (result.Succeeded)
00282
                       _logger.LogInformation("AUDIT: " + user.UserName + "Email 2fa verified
      successfully");
00284
                       return Redirect(TempData["ReturnUrl"]?.ToString() ?? "/");
00285
                    __logger.LogWarning("AUDIT: " + user.UserName + "Email 2fa verification failed. Invalid
00286
      otp code");
00287
                   ModelState.AddModelError(string.Empty, _localizer["5"]);
00288
00289
                return View(vieWModel);
00290
00291
```

 $References\ Dot Net Identity. Models. View Models. Two Factor Login Vie WModel. Verification Code.$

6.45.3.24 TwoFactorType() [1/2]

```
async Task< IActionResult > DotNetIdentity.Controllers.UserController.TwoFactorType ( ) [inline]
controller action for view TwiFactorType
```

Returns

view TwoFactorTaype

Definition at line 565 of file UserController.cs.

6.45.3.25 TwoFactorType() [2/2]

```
\label{localized} {\tt async Task< IActionResult > DotNetIdentity.Controllers.UserController.TwoFactorType (} \\ {\tt TwoFactorTypeViewModel \ viewModel \ } \\ {\tt [inline]}
```

controller POST method for view TwoFactorType

Parameters

Returns

rediorect to action TwoFactorType

Definition at line 582 of file UserController.cs.

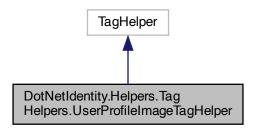
```
00584
                  var user = await _userManager.FindByNameAsync(User.Identity?.Name);
00585
                  user.TwoFactorType = viewModel.TwoFactorType;
                 await _userManager.UpdateAsync(user);
00586
00587
                  await _userManager.SetTwoFactorEnabledAsync(user, user.TwoFactorType !=
      Models.TwoFactorType.None);
00589
                  if (viewModel.TwoFactorType == Models.TwoFactorType.Authenticator)
00590
                  {
                      _logger.LogInformation("AUDIT: " + user.UserName + " set authenticator as 2fa method.
00591
      Redirecting to action: TwoFactorAuthenticator");
                     return RedirectToAction("TwoFactorAuthenticator", "User");
00592
00593
                  _logger.LogInformation("AUDIT: " + user.UserName + " set " + user.TwoFactorType.ToString()
       + " as 2fa method.");
00595
                  return RedirectToAction("TwoFactorType", "User");
00596
```

References DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModel.TwoFactorType.

6.46 DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper Class Reference

html taghelper class

Inheritance diagram for DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper:



Public Member Functions

- UserProfileImageTagHelper (UserManager < AppUser > userManager)
 class contsructor
- override async Task ProcessAsync (TagHelperContext context, TagHelperOutput output)
 override ProcessAsync

Properties

```
• string UserId = default! [get, set]

html attribute definition
```

6.46.1 Detailed Description

html taghelper class

Definition at line 12 of file UserProfileImageTagHelper.cs.

6.46.2 Constructor & Destructor Documentation

6.46.2.1 UserProfileImageTagHelper()

```
\label{lem:dentity:helpers.TagHelpers.UserProfileImageTagHelper.UserProfileImageTagHelper ( \\ UserManager < AppUser > userManager ) [inline]
```

class contsructor

Parameters

userManager	type UserManager
-------------	------------------

Definition at line 23 of file UserProfileImageTagHelper.cs.

```
00024 {
00025     _userManager = userManager;
00026 }
```

6.46.3 Member Function Documentation

6.46.3.1 ProcessAsync()

override ProcessAsync

Parameters

context	type TagHelperContext
output	type TagHelperOutput

Returns

TagHelperOutput

Definition at line 41 of file UserProfileImageTagHelper.cs.

```
00042
00043
                 var user = await _userManager.FindByIdAsync(UserId);
00044
00045
                 var sb = new StringBuilder();
00046
                 if(user.ProfilePicture==null) {
00047
                     sb.Append($"<img src='/assets/images/faces/user.png' height='32'/>");
00048
                      sb.Append($"<img src='" + user.ProfilePicture + "' height='32'/>");
00049
00050
                 }
00051
                 output.Content.SetHtmlContent(sb.ToString());
```

References DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper.UserId.

6.46.4 Property Documentation

134 Class Documentation

6.46.4.1 UserId

string DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper.UserId = default! [get],
[set]

html attribute definition

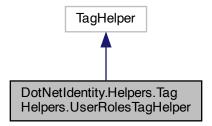
Definition at line 33 of file UserProfileImageTagHelper.cs. 00033 { get; set; } = default!;

Referenced by DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper.ProcessAsync().

6.47 DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper Class Reference

html tag helper class

Inheritance diagram for DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper:



Public Member Functions

- UserRolesTagHelper (UserManager < AppUser > userManager)
 class constructor
- override async Task ProcessAsync (TagHelperContext context, TagHelperOutput output)
 method to override ProcessAsync

Properties

• string UserId = default! [get, set] attribute definition

6.47.1 Detailed Description

html tag helper class

Definition at line 12 of file UserRolesTagHelper.cs.

6.47.2 Constructor & Destructor Documentation

6.47.2.1 UserRolesTagHelper()

class constructor

Parameters

userManager

Definition at line 23 of file UserRolesTagHelper.cs.

```
00024 {

00025 __userManager = userManager;

00026 }
```

6.47.3 Member Function Documentation

6.47.3.1 ProcessAsync()

method to override ProcessAsync

Parameters

context	type TagHelperContext
output	type TagHelperOutput

Returns

TagHelperOutput

Definition at line 41 of file UserRolesTagHelper.cs.

136 Class Documentation

References DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper.UserId.

6.47.4 Property Documentation

6.47.4.1 UserId

```
string DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper.UserId = default! [get], [set]
attribute definition
```

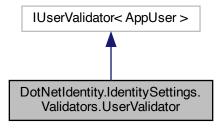
Definition at line 33 of file UserRolesTagHelper.cs. 00033 { get; set; } = default!;

Referenced by DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper.ProcessAsync().

6.48 DotNetIdentity.IdentitySettings.Validators.UserValidator Class Reference

class to validate IdentityUser

Inheritance diagram for DotNetIdentity.IdentitySettings.Validators.UserValidator:



Public Member Functions

Task< IdentityResult > ValidateAsync (UserManager< AppUser > manager, AppUser user)
 Task to validate IdentityUser

6.48.1 Detailed Description

class to validate IdentityUser

Definition at line 9 of file UserValidator.cs.

6.48.2 Member Function Documentation

6.48.2.1 ValidateAsync()

Task to validate IdentityUser

Parameters

manager	UserManager
user	AppUser

Returns

Task of type IdentiyResult

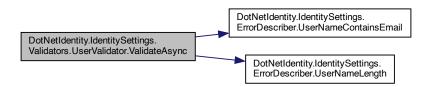
Definition at line 17 of file UserValidator.cs.

```
00018
                  var errors = new List<IdentityError>();
00020
00021
                  if (user.UserName.Length < 6)</pre>
00022
                      errors.Add(ErrorDescriber.UserNameLength());
00023
00024
00025
                  if (user.Email.Substring(0, user.Email.IndexOf("@")) == user.UserName)
00026
00027
                      errors.Add(ErrorDescriber.UserNameContainsEmail());
00028
00029
00030
                  if (errors.Any())
00031
00032
                      return Task.FromResult(IdentityResult.Failed(errors.ToArray()));
00033
00034
                  return Task.FromResult(IdentityResult.Success);
00035
```

References DotNetIdentity.IdentitySettings.ErrorDescriber.UserNameContainsEmail(), and DotNetIdentitySettings.ErrorDescriber.UserNameContainsEmail(), and DotNetIdentitySettings.ErrorDescriber.UserNameContainsEmail(

138 Class Documentation

Here is the call graph for this function:



Index

AbsoluteExpiration	DotNetIdentity.Models.Identity.AppUser, 45
DotNetIdentity.Models.DataModels.SessionCache,	
93	Dashboard
AccessDenied	DotNetIdentity.Controllers.RoleBasedController, 91
DotNetIdentity.Controllers.HomeController, 74	debugUserInfo
Accounting	DotNetIdentity.Controllers.UserController, 119
DotNetIdentity.Models, 13	DeleteRole
AdminController	DotNetIdentity.Controllers.AdminController, 21
DotNetIdentity.Controllers.AdminController, 20	DeleteUser
AppDbContext	DotNetIdentity.Controllers.AdminController, 22
DotNetIdentity.Data.AppDbContext, 35	Department
ApplicationName	DotNetIdentity.Models, 13
DotNetIdentity.Models.BusinessModels.GlobalSetting	gs. DotNetIdentity.Models.Identity.AppUser, 46
71	DotNetIdentity.Models.ViewModels.EditUserViewModel,
AppLogs	57
DotNetIdentity.Data.AppDbContext, 36	DotNetIdentity.Models.ViewModels.NewUserModel,
AppSessionCache	85
DotNetIdentity.Data.AppDbContext, 37	DotNetIdentity.Models.ViewModels.SignUpViewModel,
AppSettings	103
DotNetIdentity.Data.AppDbContext, 37	DisableLdapLogin
AppSettingsBase	DotNetIdentity.Controllers.AdminController, 22
DotNetIdentity.Services.SettingsService.AppSettings	
42	DotNetIdentity.Controllers.AdminController, 23
Articles	DisableUser
DotNetIdentity.Controllers.RoleBasedController, 91	DotNetIdentity.Controllers.AdminController, 23
AuditLogs	DotNetIdentity, 11
	DotNetIdentity.Controllers, 11
DotNetIdentity.Controllers.AdminController, 21	DotNetIdentity.Controllers.AdminController, 19
AuthenticationUri	
DotNetIdentity.Models.ViewModels.TwoFactorAuther	AuditLogs, 21
109	DeleteRole, 21
BirthDay	DeleteUser, 22
DotNetIdentity.Models.Identity.AppUser, 45	DisableLdapLogin, 22
DotNetIdentity.Models.ViewModels.SignUpViewModels.	
	DisableUser, 23
DotNetIdentity.Models.ViewModels.UpdateProfileVie	
112 Podu	EnableLdapLogin, 26
Body DetNetIdentity Medala DyningerMedala EmailMedal	EnableMaForce, 27
DotNetIdentity.Models.BusinessModels.EmailModel,	
62	ErrorLogs, 28
ChangePassword	GetAppLogs, 28
DotNetIdentity.Controllers.UserController, 117	GetAuditLogs, 29
ClaimsTransformation	GetErrorLogs, 29
DotNetIdentity.IdentitySettings.ClaimsTransformation	GetUsers, 29
· · · · · · · · · · · · · · · · · · ·	
54 ConfirmEmail	NewUser, 30
ConfirmEmail	Roles, 31
DotNetIdentity.Controllers.UserController, 118	SystemLogs, 32
CreatedOn DetNetIdentity Medala Identity App Bala, 44	UpsertRole, 32
DotNetIdentity Models Identity AppRole, 41	Heore 33

DotNetIdentity.Controllers.ClaimBasedController, 51 Employee, 52	UserProfileImageTagHelper, 132 DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper,
• •	134
FreeTrial, 52	
HR, 52 Software, 52	ProcessAsync, 135
	UserId, 136
Violence, 53	UserRolesTagHelper, 135
DotNetIdentity.Controllers.CultureController, 55	DotNetIdentity.IdentitySettings, 12
SetCulture, 56	DotNetIdentity.IdentitySettings.ClaimsTransformation,
DotNetIdentity.Controllers.ErrorsController, 65	53
ErrorCd, 65	ClaimsTransformation, 54
ErrorEx, 66	TransformAsync, 54
DotNetIdentity.Controllers.HomeController, 73	DotNetIdentity.IdentitySettings.ErrorDescriber, 63
AccessDenied, 74	PasswordContainsUsername, 64
HomeController, 73	UserNameContainsEmail, 64
Index, 74	UserNameLength, 64
DotNetIdentity.Controllers.RoleBasedController, 91	DotNetIdentity.IdentitySettings.Requirements, 12
Articles, 91	DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireHandler,
Dashboard, 91	69
Profile, 92	HandleRequirementAsync, 69
Users, 92	DotNetIdentity.IdentitySettings.Requirements.FreeTrialExpireRequirement
DotNetIdentity.Controllers.SettingsController, 94	70
SettingsApp, 96	DotNetIdentity.IdentitySettings.Requirements.MinimumAgeHandler,
SettingsController, 95	81
SettingsLdap, 96	HandleRequirementAsync, 82
SettingsMail, 97, 98	DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirement,
DotNetIdentity.Controllers.UserController, 115	83
ChangePassword, 117	MinimumAge, 84
ConfirmEmail, 118	MinimumAgeRequirement, 83
debugUserInfo, 119	DotNetIdentity.IdentitySettings.TwoFactorAuthenticationService,
EnforceTwoFactorAuthenticator, 119	107
EnforceTwoFactorResult, 120	GenerateQrCodeUri, 108
ForgotPassword, 120, 121	TwoFactorAuthenticationService, 107
Login, 121, 123	DotNetIdentity.IdentitySettings.Validators, 13
Logout, 123	Dot Net Identity. Identity Settings. Validators. Password Validator,
ping, 123	88
Profile, 124	ValidateAsync, 88
Register, 125, 126	DotNetIdentity.IdentitySettings.Validators.UserValidator,
ResetPassword, 127	136
TwoFactorAuthenticator, 128	ValidateAsync, 137
TwoFactorLogin, 129, 130	DotNetIdentity.Models, 13
TwoFactorType, 130, 131	Accounting, 13
UserController, 116	Department, 13
DotNetIdentity.Data, 11	Email, 15
DotNetIdentity.Data.AppDbContext, 34	Gender, 13
AppDbContext, 35	HR, 13
AppLogs, 36	Male, 15
AppSessionCache, 37	None, 15
AppSettings, 37	Software, 13
OnModelCreating, 35	TwoFactorType, 15
DotNetIdentity.Helpers, 12	Unknown, 15
DotNetIdentity.Helpers.EmailHelper, 60	DotNetIdentity.Models.BusinessModels, 15
EmailHelper, 60	DotNetIdentity.Models.BusinessModels.EmailModel, 61
SendAsync, 61	Body, 62
DotNetIdentity.Helpers.TagHelpers, 12	Subject, 62
DotNetIdentity.Helpers.TagHelpers.UserProfileImageTag	•
132	DotNetIdentity.Models.BusinessModels.GlobalSettings,
ProcessAsync, 133	71
Userld, 133	ApplicationName, 71

SessionCookieExpiration, 72	RoleName, 49
SessionTimeoutRedirAfter, 72	Dot Net Identity. Models. View Models. Change Password View Model,
SessionTimeoutWarnAfter, 72	50
DotNetIdentity.Models.BusinessModels.LdapSettings,	NewPassword, 50
76	NewPasswordConfirm, 50
LdapBaseDn, 77	Password, 50
LdapDomainController, 77	DotNetIdentity.Models.ViewModels.EditUserViewModel,
LdapDomainName, 77	57
LdapEnabled, 78	Department, 57
LdapGroup, 78	Email, 58
DotNetIdentity.Models.BusinessModels.MailSettings, 79	FirstName, 58
Password, 79	Gender, 58
SmtpFromAddress, 80	ld, 58
SmtpPort, 80	LastName, 59
SmtpServer, 80	PhoneNumber, 59
SmtpUseTls, 80	Roles, 59
Username, 81	UserName, 59
DotNetIdentity.Models.DataModels, 15	DotNetIdentity.Models.ViewModels.ErrorViewModel, 67
DotNetIdentity.Models.DataModels.ApplicationSettings,	RequestId, 67
37	ShowRequestId, 67
Name, 38	DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel,
Type, 38	68
Value, 38	Email, 68
DotNetIdentity.Models.DataModels.AppLogs, 38	DotNetIdentity.Models.ViewModels.NewUserModel, 84
Exception, 39	Department, 85
id, 39	Email, 85
Level, 39	FirstName, 85
Message, 40	Gender, 85
MessageTemplate, 40	IsLdapLogin, 86
Properties, 40	IsMfaForce, 86
Timestamp, 40	LastName, 86
DotNetIdentity.Models.DataModels.SessionCache, 92	Password, 86
AbsoluteExpiration, 93	Roles, 87
ExpiresAtTime, 93	UserName, 87
id, 93	DotNetIdentity.Models.ViewModels.ResetPasswordViewModel,
SlidingExpirationInSeconds, 93	89
Value, 94	Password, 90
DotNetIdentity.Models.Identity, 16	Token, 90
DotNetIdentity.Models.Identity.AppRole, 41	Userld, 90
CreatedOn, 41	DotNetIdentity.Models.ViewModels.SignInViewModel,
DotNetIdentity.Models.Identity.AppUser, 44	101
BirthDay, 45	Password, 101
CreatedOn, 45	RememberMe, 102
Department, 46	UserName, 102
FirstName, 46	DotNetIdentity.Models.ViewModels.SignUpViewModel,
Gender, 46	102
IsEnabled, 46	BirthDay, 103
IsLdapLogin, 47	Department, 103
IsMfaForce, 47	Email, 104
LastName, 47	FirstName, 104
ProfilePicture, 47	Gender, 104
RolesCombined, 48	LastName, 104
TwoFactorType, 48	Password, 105
DotNetIdentity.Models.ViewModels, 16	UserName, 105
DotNetIdentity.Models.ViewModels.AssignRoleViewMode 48	el,DotNetIdentity.Models.ViewModels.StatusCodesModel, 105
IsAssigned, 49	ErrorMessage, 106
Roleld, 49	RouteOfException, 106

DoNNetIdentity, Models, ViewModels, TwoFactor/Authenticator/ViewModels EmailHelper DotNetIdentity, Helpers, EmailHelper, 60 Emailty DotNetIdentity, Helpers, Emailty Polyve DotNetIdentity, Controllers, ClaimBasedController, 26 Emailty, Controllers, AdminController, 26 EnableLdapLogin DotNetIdentity, Controllers, AdminController, 27 DotNetIdentity, Controllers, AdminController, 27 DotNetIdentity, Controllers, AdminController, 27 DotNetIdentity, Controllers, AdminController, 27 DotNetIdentity, Controllers, UserController, 27 EnableLdapLogin DotNetIdentity, Controllers, AdminController, 27 DotNetIdentity, Controllers, UserController, 119 Enrofex DotNetIdentity, Controllers, UserController, 119 DotNetIdentity, Controllers, UserController, 119 DotNetIdentity, Controllers, UserController, 120 Errofex DotNetIdentity, Controllers, UserController, 120 Errofex DotNetIdentity, Controllers, ErrorsController, 65 Errofex DotNetIdentity, Controllers, ErrorsController, 65 Errofex DotNetIdentity, Controllers, ErrorsController, 65 Errofex DotNetIdentity, Models, ViewModels, ViewModels	StatusCode, 106	DotNetIdentity.Models.ViewModels.UpdateProfileViewModel
Authentication.Uri, 109 SharadKey, 139 VerificationCode, 109 DotNetIdentity, Models. ViewModels. TwoFactorLoginViewModel, 110 IsRecoveryCode, 110 IsRecoveryCode, 110 SouthetIdentity, Models. ViewModels. TwoFactorTypeViewModels. Earlied LdgsLogin DotNetIdentity, Models. ViewModels. TwoFactorTypeViewModels. Models. ViewModels. TwoFactorTypeViewModels. DotNetIdentity. Controllers. AdminController, 26 DotNetIdentity, Models. ViewModels. TwoFactorTypeViewModels. Models. ViewModels. UpdateProfileViewModels. DotNetIdentity. Controllers. AdminController, 27 DotNetIdentity. Models. ViewModels. UpdateProfileViewModels. DotNetIdentity. Controllers. UserController, 119 Enforce TwoFactorTweFactorAsseut DotNetIdentity. Controllers. UserController, 120 Ernail, 112 BirthDay, 112 Ernail, 112 BirthDay, 112 Ernail, 113 DotNetIdentity. Controllers. UserController, 120 ErnorEx DotNetIdentity. Controllers. UserController, 65 ErrorEx DotNetIdentity. Controllers. ErrorsController, 66 ErrorLogs DotNetIdentity. Controllers. AdminController, 28 ErrorMessage DotNetIdentity. Controllers. AdminController, 28 ErrorMessage DotNetIdentity. Controllers. AdminController, 28 ErrorMessage DotNetIdentity. Services. SettingsService. AppSettingsBase, 42 AppSettingsBase, 43 Baw, 75 Loda, 75 Ldap, 76 Mail, 76 Save, 75 DotNetIdentity. Services. SettingsService. SettingsService, 74 Save, 100 SattingsService, 99 EditUser DotNetIdentity Models. ViewModels. EditUserviewModel, 85 BotNetIdentity, Models. ViewModels. EditUserviewModel, 85 DotNetIdentity, Models. ViewModels. EditUserviewModel, 85 BotNetIdentity, Models. ViewModels. EditUserviewModel, 85 BotNetIdentity,	•	
SharedKey, 109 VerificationCode, 109 DotNettdentity,Models-ViewModels-TwoFactorLoginVieWModel, S2 110 IsRecoveryCode, 110 TwoFactorType, 110 VerificationCode, 110 DotNettdentity,Models-ViewModels-TwoFactorTypeViewModels-BeableUser 111 TwoFactorType, 111 TwoFactorType, 111 DotNettdentity,Models-ViewModels-UpdateProfileViewModels Size EnabledMaForce DotNettdentity,Controllers-AdminController, 27 Enlore-TwoFactorType, 111 TwoFactorType, 111 DotNettdentity,Models-ViewModels-UpdateProfileViewModels Size DotNettdentity,Controllers-AdminController, 27 Enlore-TwoFactorAuthenticator DotNettdentity,Controllers-AdminController, 119 SirthDay, 112 SirthDay, 112 SirthDay, 112 SirthDay, 112 SirthDay, 112 SirthDay, 113 ProfilePicture, 113 ProfilePicture, 113 ProfilePicture, 113 ProfilePicture, 113 Servange, 113 Servange, 113 SoutNettdentity,Models-ViewModels-UpsertRoleViewModel, 114 Id, 11		'
VerificationCode, 109 DotNetIdentity,Models ViewModels. TwoFactorLoginVieWModel, 52 110 IsRecoveryCode, 110 IsRecoveryCode, 110 DotNetIdentity Models ViewModels. TwoFactorType ViewModel, 52 InvoFactorType, 110 DotNetIdentity Models. ViewModels. TwoFactorType ViewModels. Models. ViewModels. TwoFactorType, 111 TwoFactorType, 111 DotNetIdentity,Models. ViewModels. UpdateProfile ViewModel, 112 Einhibay, 112 Einhibay, 112 Einhibay, 112 Einhibay, 113 PhoneNumber, 113 PhoneNumber, 113 PhoneNumber, 113 PhoneNumber, 113 DotNetIdentity,Models. ViewModels. UpsertRole ViewModel, 114 Id, 115 DotNetIdentity,Services. SettingsService. AppSettingsBase, 42 2 2 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity,Services. SettingsService. AppSettingsBase, ExpiresAfTime DotNetIdentity,Services SettingsService. Phone View Models. Mail, 76 Save, 150 DotNetIdentity,Services. SettingsService. SettingsService, 98 Global, 100 Ldap, 100 Ldap, 100 Ldap, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity,Models. ViewModels. SignUpViewModel, 58 DotNetIdentity,Models. ViewModels. SignUpViewModel, 68 DotNetIdentity,Models. ViewModels. SignUpViewModel, 68 DotNetIdentity,Models. ViewModels. SignUpViewModel, 68 DotNetIdentity,Models. ViewModels. SignUpViewModel, 68 DotNetIdentity,Models. ViewModels. SignUpViewModel, 69 DotNetIdentity,Models. ViewModels. SignUpViewModel, 68 DotNetIdentity,Models. ViewModels. SignUpViewModel, 69 DotNetIdentity,Models. ViewModels. SignUpViewModel, 69 DotNetIdentity,Models.		
DotNetIdentity, Models. ViewModels. TwoFactor Login ViewModel. 110 IsRecoveryCode, 110 TwoFactor Type, 110 Verification Code, 110 DotNetIdentity, Models. ViewModels. TwoFactor Type ViewModels. DotNetIdentity, Controllers. AdminController, 27 DotNetIdentity, Models. ViewModels. TwoFactor Type ViewModels. DotNetIdentity, Controllers. AdminController, 27 DotNetIdentity, Models. ViewModels. Update Profile ViewModel. 112 BirthDay, 112 BirthDay, 112 Bemail, 112 Gender, 113 ProfilePicture, 113 ProfilePicture, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel. 114 Name, 114 Name	The state of the s	• •
110 IsRecoveryCode, 110 TwoFactorType, 110 TwoFactorType, 110 DotNetIdentity, Models. ViewModels. TwoFactorType ViewModels. TwoFactorType, 110 DotNetIdentity, Models. ViewModels. TwoFactorType ViewModels. Detailed Profile ViewModels. TwoFactorType, 111 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModels. DotNetIdentity, Controllers. AdminController, 27 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModels. DotNetIdentity, Controllers. AdminController, 27 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModels. DotNetIdentity, Controllers. UserController, 119 Enforce? TwoFactorAuthenticator DotNetIdentity, Controllers. UserController, 119 Enforce? TwoFactorAuthenticator DotNetIdentity, Controllers. UserController, 120 ErrorCa Gender, 113 DerorName, 113 DerorName, 113 DerorName, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel. 114 Id, 115 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService. AppSettingsBase, ExpresAtTime DotNetIdentity, Services. SettingsService. ISettingsService, 93 DotNetIdentity, Services. SettingsService. ISettingsService, 93 DotNetIdentity, Services. SettingsService. ISettingsService, 98 EditUser DotNetIdentity, Services. SettingsService. SettingsService, 99 EditUser DotNetIdentity, Models. ViewModels. SignUpViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 68 DotNetIdentity, Models. ViewModels. SignUpViewModel, 69 DotNetIdentity, Models. ViewModels. SignUpViewModels. 69 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModel. 69 DotNetIdentity, Mod		
IsRecoveryCode, 110 TwoFactorType, 110 VerificationCode, 110 DotNetIdentity,Models.ViewModels.TwoFactorTypeViewModels.DotNetIdentity,Controllers.AdminController, 27 DotNetIdentity,Models.ViewModels.UpdateProfileViewModel. DotNetIdentity,Controllers.AdminController, 27 EnforceTwoFactorAuthenticator DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.UpdateProfileViewModel. DotNetIdentity,Controllers.ErrorsController, 65 ErrorEx DotNetIdentity,Controllers.ErrorsController, 28 ErrorMessage DotNetIdentity,Controllers.AdminController, 28 ErrorMessage DotNetIdentity,Controllers.ErrorsController, 28 ErrorMessage DotNetIdentity,Controllers.ErrorsController, 28 ErrorMessage DotNetIdentity,Models.ViewModels.StatusCodesModel, 106 Exception DotNetIdentity,Models.DataModels.StatusCodesModel, 106 Exception DotNetIdentity,Models.DataModels.SessionCache, 93 Global, 75 Mail, 76 Save, 75 DotNetIdentity,Services.SettingsService, 98 Global, 100 Ldap, 100		
TwoFactorType, 110 DotNetIdentity.Models.ViewModels.TwoFactorTypeViewModefableUser 111 TwoFactorType, 111 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 112 BirthDay, 112 BirthDay, 112 BirthDay, 112 BirthDay, 113 PhoneNumber, 113 PhoneNumber, 113 PhoneNumber, 113 UserName, 113 UserName, 113 UserName, 113 DotNetIdentity.Models.ViewModels.UpsertRoleViewModel, 114 Id, 114 Id, 114 Name, 114 DotNetIdentity.Services. 17 DotNetIdentity.Services. 18 DotNetIdentity.Services. 19 DotNetIdentity.Service		, -
VerificationCode, 110 DotNetIdentity, Models, ViewModels. TwoFactorType ViewModesleUser DotNetIdentity, Controllers. AdminController, 27 EnforceTwoFactorAuthenticator DotNetIdentity, Controllers. UpdateProfileViewModel, 112 BirhDay, 112 Email, 112 Gender, 13 ProfilePicture, 113 DotNetIdentity, Models. ViewModels. UpdateProfileViewModel, 114 Id. 114 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Id. 114 DotNetIdentity, Controllers. UserController, 120 ErrorCx DotNetIdentity, Controllers. UserController, 120 DotNetIdentity, Controllers. UserController, 120 ErrorCx DotNetIdentity, Controllers. UserController, 65 ErrorCx DotNetIdentity, Controllers. ErrorsController, 68 ErrorCx DotNetIdentity, Controllers. ErrorsController, 28 ErrorCx ErrorCx DotNetIdentity, Controllers. ErrorsController, 28 ErrorCx DotNetIdentity, Models. ViewModels. StatusCodesModel, 106 ErrorCx DotNetIdentity, Models. StatusCodesModel, 106 ErrorCx DotNetIdentity, Models. StatusCodesModel, 106 DotNetIdentity, Models. ViewModels. SessionCache, 93 DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 100 DotNetIdentity,		
DotNetIdentity,Models.ViewModels.TwoFactorTypeViewModels.BetableUser 111 TwoFactorType, 111 DotNetIdentity,Models.ViewModels.UpdateProfileViewModel, 112 BirthDay, 112 BirthDay, 112 Email, 112 Gender, 113 PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity,Models.ViewModels.UpsertRoleViewModel, 114 Id, 115 DotNetIdentity,Services.SettingsService, 17 DotNetIdentity,Services.SettingsService.AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity,Services.SettingsService.ISettingsService, 74 Idial, 76 Save, 75 DotNetIdentity,Services.SettingsService.SettingsService, 98 Global, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Controllers. Larer Controller, 24, 26 Email DotNetIdentity, Models. ViewModels. EditUser/ViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 68 DotNetIdentity, Models. ViewModels. SignUpViewModel, 68 DotNetIdentity, Models. ViewModels. UpdateProfileViewModel, 68 DotNetIdentity, Models. ViewMo	• •	
111 TwoFactorType, 111 EnforceTwoFactorAuthenticator DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 112 Email, 112 Gender, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity, Models, ViewModels, UpserRole ViewModel, 114 Id, 114 Name, 115 Noteltdentity, Models, ViewModels, NewUserModel, 58 DotNettdentity, Mode		•
TwoFactorType, 111 DotNetIdentity Models. ViewModels. UpdateProfileViewModel, 112 BirthDay, 112 BirthDay, 112 Email, 112 Gender, 113 PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Id, 114 Id, 114 Id, 114 Name, 114 DotNetIdentity, Services, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService. AppSettingsBase, ExpriseAfTime DotNetIdentity, Services. SettingsService. JSettingsService, 74 Global, 75 Mail, 76 Save, 75 DotNetIdentity, Services. SettingsService. SettingsSer		
DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, BirthDay, 112 Email, 112 Email, 113 PhoneNumber, 113 PhoneNumber, 113 PhoneNumber, 113 PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity, Models, ViewModels, UpsertRoleViewModel, 114 Id, 114 BotNetIdentity, Services, 17 DotNetIdentity, Services, SettingsService, 17 DotNetIdentity, Services, SettingsService, AppSettingsBase, Experies, AlTime DotNetIdentity, Services, SettingsService, 17 DotNetIdentity, Models, DataModels, SessionCache, 93 DotNetIdentity, Models, DataModels, SessionCache, 93 DotNetIdentity, Models, SignUpViewModel, 58 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 58 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, NewUserModel, 85 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 85 DotNetIdentity, Models, V		
112 BirthDay, 112 Email, 112 Gender, 113 PhoneNumber, 113 ProfilePicture, 113 DotNetIdentity, Controllers. Errors Controller, 65 ErrorLay ProfilePicture, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Id, 115 DotNetIdentity, Services, 17 DotNetIdentity, Services, 17 DotNetIdentity, Services, SettingsService, 17 DotNetIdentity, Services. SettingsService AppSettingsBase, ExpiresAtTime AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity, Services. SettingsService. ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity, Services. SettingsService. S		
BirthDay, 112 Email, 112 Gender, 113 PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity, Controllers. ErrorsController, 65 ErrorEx DotNetIdentity, Controllers. ErrorsController, 66 ErrorLogs DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Id, 114 Mame, 114 DotNetIdentity, Services, 17 DotNetIdentity, Services, 17 DotNetIdentity, Services. SettingsService, 18 Save, 43 DotNetIdentity, Models. DataModels. SessionCache, 93 Save, 43 DotNetIdentity, Models. DataModels. SessionCache, 93 DotNetIdentity, Models. UsewModels. SessionCache, 93 DotNetIdentity, Models. ViewModels. NewUserModel, 58 DotNetIdentity, Services. SettingsService. 98 Global, 100 Ldap, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Controllers. ClaimBasedController, 120, 121 Free Trial DotNetIdentity, Models. ViewModels. SettingsVeriewModel, 58 DotNetIdentity, Models. ViewModels. SignUpViewModel, 58 DotNetIdentity, Models. ViewModels. SignUpViewModel, 59 DotNetIdentity, Models. ViewModels. SignUpViewModel, 58 DotNetIdentity, Models. ViewModels. SignUpViewModel, 59 DotNetIdentity, Models. ViewModels. SignUpViewModel, 59 DotNetIdentity, Models. ViewModels. SignUpViewModels. 513 DotNetIdentity, Models. View		
Email, 112 Gender, 113 PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity.Controllers.ErrorsController, 65 ErrorEx DotNetIdentity.Controllers.ErrorsController, 66 ErrorLogs ErrorLogs DotNetIdentity.Controllers.AdminController, 28 ErrorMessage DotNetIdentity.Services, 17 DotNetIdentity.Services, 17 DotNetIdentity.Services, 52 ettingsService, 17 DotNetIdentity.Services.SettingsService.AppSettingsBase, ExpiresAtTime A2 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService. ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService.SettingsService.SettingsService.SettingsService.SettingsService.SettingsService.SettingsService.SettingsService.SettingsService.DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 Global, 100 Ldap, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.SeditUserViewModel, 58 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 59 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 513 DotNetIdentity.Models.ViewModels.SignUpViewModels.DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModels.DotNetIdentity.Models.ViewModels.SignUpViewModels.DotNetIdentity.Models.ViewModels.SignUpViewModels.DotNetIdentity.Models.ViewModels.SignUpVi		
Gender, 113 PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity,Models.ViewModels.UpsertRoleViewModel, 114 Id, 114 Name, 114 DotNetIdentity,Services. SettingsService, 17 DotNetIdentity,Services. SettingsService. AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services. SettingsService. ISettingsService, 74 Global, 75 Ldap, 75 Save, 75 DotNetIdentity.Services. SettingsService.		·
PhoneNumber, 113 ProfilePicture, 113 UserName, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Name, 114 Name, 114 Name, 114 Name, 115 DotNetIdentity, Services, 17 DotNetIdentity, Services, SettingsService, 17 Global, 75 Mail, 76 Save, 75 DotNetIdentity, Services, SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Models, ViewModels, 13 DotNetIdentity, Models, ViewModels, SignUpViewModel, 58 DotNetIdentity, Models, ViewModels, SignUpViewModel, 58 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 104 DotNetIdentity, Mode		
ProfilePicture, 113 UserName, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Id, 114 Name, 114 DotNetIdentity, Services. 17 DotNetIdentity, Services. 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService. AppSettingsBase, ExpiresAtTime 42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity, Services. SettingsService. ISettingsService 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity, Services. SettingsService. SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Models. ViewModels. ISeditUserViewModel, 58 DotNetIdentity, Controllers. AdminController, 24, 26 Email DotNetIdentity, Models. ViewModels. NewUserModel, 58 DotNetIdentity, Models. ViewModels. ISeditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 85 DotNetIdentity, Models. ViewModels. SignUpViewModel, 85 DotNetIdentity, Models. ViewModels. SignUpViewModel, 104 DotNetIdentity, Models. ViewModels. SignUpViewModel, 104 DotNetIdentity, Models. ViewModels. SignUpViewModel, 104 DotNetIdentity, Models. ViewModels. Update Profile ViewModels. 113 DotNetIdentity, Models. ViewModels. Update Profile ViewModels. 113 DotNetIdentity, Models. ViewModels. SignUpViewModels. EditUserViewModels. I13 DotNetIdentity, Models. ViewModels. SignUpViewModels. I13 DotNetIdentity, Models. ViewModels. Update Profile ViewModels. I13 DotNetIdentity, Models. ViewModels. SignUpViewModels. I13 DotNetIdentity, Models. ViewModels. Update Pr		
UserName, 113 DotNetIdentity, Models. ViewModels. UpsertRoleViewModel, 114 Id, 114 Id, 114 Name, 114 DotNetIdentity, Services, 17 DotNetIdentity, Services, SettingsService, 17 DotNetIdentity, Services SettingsService, 18 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity, Services SettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity, Services SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Models, 15 DotNetIdentity, Models, 15 DotNetIdentity, Models, 15 DotNetIdentity, Models, 15 DotNetIdentity, Models, ViewModels, EditUserViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewModels, SignUpViewModel, 85 DotNetIdentity, Models, ViewModels, SignUpViewModel, 104 DotNetIdentity, Models, ViewM		
DotNetIdentity.Models.ViewModels.UpsertRoleViewModel, 114 Id. 1,114 Name, 114 Name, 114 Name, 114 NotNetIdentity.Services, 17 DotNetIdentity.Services.SettingsService, 17 DotNetIdentity.Services.SettingsService.AppSettingsBase, ExpiresAtTime 42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService.ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService.SettingsService, 78 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel		
114 Id, 114 Name, 114 DotNetIdentity.Services, 17 DotNetIdentity.Services.SettingsService, 17 DotNetIdentity.Services.SettingsService, 17 DotNetIdentity.Services.SettingsService, 17 DotNetIdentity.Services.SettingsService, 17 DotNetIdentity.Services.SettingsService.AppSettingsBase, ExpiresAtTime 42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService.ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 68 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 68 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 69 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 69 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 69 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel		
Id, 114 Name, 114 DotNetIdentity, Services, 17 DotNetIdentity, Services, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService. AppSettingsBase, ExpiresAtTime 42 Load, 43 Save, 43 DotNetIdentity, Services. SettingsService. ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity, Services. SettingsService. SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Controllers. AdminController, 24, 26 Email DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. EditUserViewModel, 58 DotNetIdentity, Models. ViewModels. SignUpViewModel, 68 DotNetIdentity, Models. ViewModels. SignUpViewModel, 68 DotNetIdentity, Models. ViewModels. ViewModels. NewUserModel, 85 DotNetIdentity, Models. ViewModels. ViewModels. ViewModels. ViewModels. SignUpViewModel, 68 DotNetIdentity, Models. ViewModels. ViewModels. ViewModels. UpdateProfileViewModel, 51 DotNetIdentity, Models. ViewModels. ViewModels. ViewModels. UpdateProfileViewModel, 68 DotNetIdentity, Models. ViewModels. ViewModels. ViewModels. UpdateProfileViewModel, 51 DotNetIdentity, Models. ViewModels. ViewModels. ViewModels. UpdateProfileViewModel, 51 DotNetIdentity, Models. ViewModels. ViewModels. UpdateProfileViewModel, 51 DotNetIdentity, Models. ViewModels. ViewModels. UpdateProfileViewModel		
Name, 114 DotNetIdentity, Services, 17 DotNetIdentity, Services SettingsService, 2 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity, Services SettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity, Services SettingsService SettingsService, 78 Global, 100 Ldap, 100 Ldap, 100 Amil, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity, Controllers AdminController, 24, 26 Email DotNetIdentity, Models, 15 DotNetIdentity, Models, 15 DotNetIdentity, Models, 15 DotNetIdentity, Models, ViewModels, EditUserViewModel, 58 DotNetIdentity, Models, ViewModels, EditUserViewModel, 58 DotNetIdentity, Models, 15 DotNetIdentity, Models, 15 DotNetIdentity, Models, ViewModels, EditUserViewModel, 58 DotNetIdentity, Models, ViewModels, ForgotPasswordViewModel, 68 DotNetIdentity, Models, ViewModels, NewUserModel, 68 DotNetIdentity, Models, ViewModels, NewUserModel, 68 DotNetIdentity, Models, ViewModels, NewUserModel, 85 DotNetIdentity, Models, ViewModels, NewUserModel, 68 DotNetIdentity, Models, ViewModels, NewUserModel, 85 DotNetIdentity, Models, ViewModels, NewUserModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 113 DotNetIdentity, Models, ViewModels, NewUserModel, 85 DotNetIdentity, Models, ViewModels, ViewModels, ViewModels, NewUserModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 113 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 113 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 104 DotNetIdentity, Models, ViewModels, UpdateProfileViewModel, 113		
DotNetIdentity, Services, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService, 17 DotNetIdentity, Services. SettingsService. AppSettingsBase, ExpiresAtTime AppSettingsBase, 42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity, Services. SettingsService, 74 Global, 75 Ldap, 75 Adail, 76 Save, 75 DotNetIdentity. Services. SettingsService. SettingsService, 98 Global, 100 Ldap, 100 Adail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity. Controllers. AdminController, 24, 26 Email DotNetIdentity, Models. ViewModels. EditUserViewModel, 15 DotNetIdentity, Models. ViewModels. Sign UpViewModel, 15 DotNetIdentity, Models. ViewModels. Sign UpViewModel, 15 DotNetIdentity, Models. ViewModels. Sign UpViewModel, 15 DotNetIdentity, Models. ViewModels. EditUserViewModel, 15 DotNetIdentity, Models. ViewModels. EditUserViewModel, 168 DotNetIdentity, Models. ViewModels. Sign UpViewModel, 104 PorgotPassword DotNetIdentity, Controllers. ClaimBasedController, 120, 121 Free Tital DotNetIdentity, Models. ViewModels. EditUserViewModel, 15 DotNetIdentity, Models. ViewModels. EditUserViewModel, 15 DotNetIdentity, Models. ViewModels. EditUserViewModel, 15 DotNetIdentity, Models. ViewModels. Sign UpViewModel, 104 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModel, 113 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModels. 113 DotNetIdentity, Models. ViewModels. UpdateProfile ViewModels. 113		DotNetIdentity.Models.ViewModels.StatusCodesModel,
DotNetIdentity.Services.SettingsService, 17 DotNetIdentity.Services.SettingsService.AppSettingsBase,ExpiresAtTime 42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService.ISettingsService, 74 Global, 75 Ldap, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels. ViewModels.ViewModels.DituseModels.Ditu		
DotNetIdentity.Services.SettingsService.AppSettingsBase,ExpiresAtTime 42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService, 74 Global, 75 Ldap, 75 Adail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.SignUpViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.SignUpViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel		•
42 AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService, 98 Global, 100 Ldap, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 190 DotNetIdentity.Models.ViewModels.SignUpViewModel, 58 DotNetIdentity.Models.ViewModels.SignUpViewModel, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.ClaimBasedController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.PorgotPasswordViewModels.ViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 50 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel		
AppSettingsBase, 42 Load, 43 Save, 43 DotNetIdentity.Services.SettingsService.ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 78 Global, 100 Ldap, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.ViewModels.EditUserViewModel, 13 DotNetIdentity.Models.ViewModels.EditUserViewModel, 258 DotNetIdentity.Models.ViewModels.EditUserViewModel, 358 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.EditUserViewModel, 358 DotNetIdentity.Models.ViewModels.EditUserViewModel, 358 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel, 358 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel, 365 DotNetIdentity.Models.ViewMo	DotNetIdentity.Services.SettingsService.AppSettingsBase	
Load, 43 Save, 43 DotNetIdentity.Services.SettingsService.ISettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ViewModels.ForgotPasswordViewModel, 68 DotNetIdentity.Models.ViewMod		-
Save, 43 DotNetIdentity.Services.SettingsService, 74 Global, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.DiemModels.DiemModels. 13 DotNetIdentity.Models.ViewModels.Diemmodels.Diemmodel		93
DotNetIdentity.Services.SettingsService. ISettingsService, 74 Global, 75 Ldap, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.Paptuser, 46 DotNetIdentity.Models.ViewModels.SignUpViewModel, 15 DotNetIdentity.Models.ViewModels.SignUpViewModel, 58 DotNetIdentity.Models.ViewModels.SignUpViewModel, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.SignUpViewModels.GenerateQrCodeUri		FirstNo
74 Global, 75 Ldap, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService, 98 Global, 100 Ldap, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.UiewModels		
Global, 75 Ldap, 75 Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.SignUpViewModel, 104 ForgotPassword DotNetIdentity.Controllers.UserController, 120, 121 FreeTrial Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models, 15 DotNetIdentity.Models, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.ViewModels.ViewModels.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel Fireorical BotNetIdentity.Models.ViewModels.UpdateProfileViewModels 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModels 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel	-	* * * * * * * * * * * * * * * * * * * *
Ldap, 75 Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.SignUpViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.SignUpViewModel.GenerateQrCodeUri		
Mail, 76 Save, 75 DotNetIdentity.Services.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels. ViewModels.ViewModels. ViewModels. EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels. ViewModels. ViewModels. SignUpViewModel, 68 DotNetIdentity.Models.ViewModels. ViewModels. NewUserModel, 85 DotNetIdentity.Models.ViewModels. ViewModels. NewUserModel, 104 DotNetIdentity.Models. ViewModels. ViewModels. NewUserModel, 104 DotNetIdentity.Models. ViewModels. View		
Save, 75 DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.SignUpViewModelQenerateQrCodeUri DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModelQenerateQrCodeUri		Dotinetidentity.Models.ViewModels.NewUserModel,
DotNetIdentity.Services.SettingsService.SettingsService, 98 Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels. 68 DotNetIdentity.Models.ViewModels.ViewModels.NewUserModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 DotNetIdentity.Models.ViewModels.SignUpViewModelGenerateQrCodeUri		Deblet de mitte Mandele View Mandele Cievel In View Mandel
ForgotPassword Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 DotNetIdentity.Models.ViewModels.ViewModels.UpdateProfileViewModel 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 113 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel		
Global, 100 Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 EditUser DotNetIdentity.Controllers.ClaimBasedController, 52 Southed Identity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models, 15 DotNetIdentity.Models, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.NewUserModel, 104 DotNetIdentity.Models.ViewModels.ViewModels.ViewModels.ViewModels.ViewModels.UpdateProfileViewModel	· · · · · · · · · · · · · · · · · · ·	
Ldap, 100 Mail, 101 Save, 100 SettingsService, 99 Gender EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models, 13 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.Vi		
Mail, 101 Save, 100 SettingsService, 99 Gender EditUser DotNetIdentity.Models, 13 DotNetIdentity.Models, 13 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.ViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.View		·
Save, 100 SettingsService, 99 Gender EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.Vi		
SettingsService, 99 Gender EditUser DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.Identity.AppUser, 46 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.NewUserModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 104 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 85 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel, 113 DotNetIdentity.Models.ViewModels.SignUpViewModelGenerateQrCodeUri		·
EditUser DotNetIdentity.Models, 13 DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.UiewModels.EditUserViewModel, DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ViewModels.PorgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.UiewModels.ViewModels.ViewModels.ViewModels.ViewModels.ViewModels.UpdateProfileViewModel 85 DotNetIdentity.Models.ViewModels.SignUpViewModel 85 DotNetIdentity.Models.ViewModels.SignUpViewModel 90 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 113 DotNetIdentity.Models.ViewModels.SignUpViewModel 90 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel		52
EditUser DotNetIdentity.Models, 13 DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.	SettingsService, 99	Gander
DotNetIdentity.Controllers.AdminController, 24, 26 Email DotNetIdentity.Models.ViewModels.EditUserViewModel, DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ViewModels.NewUserModel, 58 DotNetIdentity.Models.ViewModels.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 104 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 113 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel 113	Edit loor	
Email DotNetIdentity.Models.ViewModels.EditUserViewModel, DotNetIdentity.Models.15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.PorgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.SignUpViewModel, 104 DotNetIdentity.Models.ViewModels.ViewModels.ViewModels.ViewModels.ViewModels.UpdateProfileViewModel 85 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModel 113 DotNetIdentity.Models.ViewModels.ViewModels.SignUpViewModelGenerateQrCodeUri		•
DotNetIdentity.Models, 15 DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 DotNetIdentity.Models.ViewModels.NewUserModel, 104 DotNetIdentity.Models.ViewModels.NewUserModel, 55 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 55 113 DotNetIdentity.Models.ViewModels.SignUpViewModelGenerateQrCodeUri		* * * * * * * * * * * * * * * * * * * *
DotNetIdentity.Models.ViewModels.EditUserViewModel, 58 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 104 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 113 DotNetIdentity.Models.ViewModels.SignUpViewModelGenerateQrCodeUri		·
58 DotNetIdentity.Models.ViewModels.ForgotPasswordViewModelNetIdentity.Models.ViewModels.SignUpViewModel, 68 104 DotNetIdentity.Models.ViewModels.NewUserModel, DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 113 DotNetIdentity.Models.ViewModels.SignUpViewModeQenerateQrCodeUri		
DotNetIdentity.Models.ViewModels.ForgotPasswordViewModels.ViewModels.ViewModels.SignUpViewModel, 68 104 DotNetIdentity.Models.ViewModels.NewUserModel, 85 DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 113 DotNetIdentity.Models.ViewModels.SignUpViewModelGenerateQrCodeUri		,
68 104 DotNetIdentity.Models.ViewModels.NewUserModel, DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 113 DotNetIdentity.Models.ViewModels.SignUpViewModeGenerateQrCodeUri		
DotNetIdentity.Models.ViewModels.NewUserModel, DotNetIdentity.Models.ViewModels.UpdateProfileViewModel 85 113 DotNetIdentity.Models.ViewModels.SignUpViewModeQenerateQrCodeUri		
85 113 DotNetIdentity.Models.ViewModels.SignUpViewModeGenerateQrCodeUri		
DotNetIdentity.Models.ViewModels.SignUpViewModelGenerateQrCodeUri	-	· · · · · · · · · · · · · · · · · · ·

	ionSerDiotaletldentity.Models.ViewModels.EditUserViewModel,
108	59 DetNetIdentity Medala ViewMedala New JeanMedal
GetAppLogs DetNotIdentity Controllers Admin Controller 28	DotNetIdentity.Models.ViewModels.NewUserModel,
DotNetIdentity.Controllers.AdminController, 28	86 DatNatidantity Madala ViawMadala Sign InViayMadal
GetAuditLogs DetNetIdentity Controllers Admin Controller 20	DotNetIdentity.Models.ViewModels.SignUpViewModel, 104
DotNetIdentity.Controllers.AdminController, 29	
GetErrorLogs	Ldap Dat Not Identity Convince Cottings Service I Settings Service
DotNetIdentity.Controllers.AdminController, 29	DotNetIdentity.Services.SettingsService.ISettingsService,
GetUsers Pathletidentity Controllers AdminController, 20	75 DatNatidantity Convisas Cattings Convisas Cattings Convisas
DotNetIdentity.Controllers.AdminController, 29	DotNetIdentity.Services.SettingsService.SettingsService,
Global DotNetIdentity.Services.SettingsService.ISettingsSe	100
75	
	DotNetIdentity.Models.BusinessModels.LdapSettings,
DotNetIdentity.Services.SettingsService.SettingsSer	
100	LdapDomainController
HandleRequirementAsync	DotNetIdentity.Models.BusinessModels.LdapSettings,
DotNetIdentity.IdentitySettings.Requirements.FreeTri	ial Evoina Handler
69	•
DotNetIdentity.IdentitySettings.Requirements.Minimu	DotNetIdentity.Models.BusinessModels.LdapSettings,
82	
HomeController	LdapEnabled
DotNetIdentity.Controllers.HomeController, 73	DotNetIdentity.Models.BusinessModels.LdapSettings,
HR	78
DotNetIdentity.Controllers.ClaimBasedController,	LdapGroup
	DotNetIdentity.Models.BusinessModels.LdapSettings,
52 DetNetIdentity Medala 12	78
DotNetIdentity.Models, 13	Level
ld	DotNetIdentity.Models.DataModels.AppLogs, 39
DotNetIdentity.Models.ViewModels.EditUserViewMo	Load
58	Douvetide mity. Get vices. Gettings Get vice. Appoettings Dase,
DotNetIdentity.Models.ViewModels.UpsertRoleViewI	43 Model
114	•
id	DotNetIdentity.Controllers.UserController, 121, 123
DotNetIdentity.Models.DataModels.AppLogs, 39	Logout
DotNetIdentity.Models.DataModels.SessionCache,	DotNetIdentity.Controllers.UserController, 123
93	M-il
Index	Mail DetNotIdentity Convince Settings Service I Settings Service
DotNetIdentity.Controllers.AdminController, 30	DotNetIdentity.Services.SettingsService.ISettingsService,
DotNetIdentity.Controllers.HomeController, 74	76 DatNotIdentity Convince Cattings Convince Cattings Convince
IsAssigned	DotNetIdentity.Services.SettingsService.SettingsService,
DotNetIdentity.Models.ViewModels.AssignRoleViewI	101 Model
49	
IsEnabled	DotNetIdentity.Models, 15
DotNetIdentity.Models.Identity.AppUser, 46	Message
IsLdapLogin	DotNetIdentity.Models.DataModels.AppLogs, 40
DotNetIdentity.Models.Identity.AppUser, 47	MessageTemplate
DotNetIdentity.Models.ViewModels.NewUserModel,	DotNetIdentity.Models.DataModels.AppLogs, 40
86	MinimumAge
IsMfaForce	DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirem
DotNetIdentity.Models.Identity.AppUser, 47	84 Minimum And Deputing month
DotNetIdentity.Models.ViewModels.NewUserModel,	MinimumAgeRequirement
86	DotNetIdentity.IdentitySettings.Requirements.MinimumAgeRequirem
IsRecoveryCode	83
DotNetIdentity.Models.ViewModels.TwoFactorLoginV	ahalmhk4/4i
110	DotNetIdentity.Models.DataModels.ApplicationSettings,
110	38
LastName	DotNetIdentity.Models.ViewModels.UpsertRoleViewModel,
DotNetIdentity.Models.Identity.AppUser, 47	114

NewPassword DotNetIdentity.Models.ViewModels.ChangePassword	•
50	Roleld
NewPasswordConfirm	DotNetIdentity.Models.ViewModels.AssignRoleViewModel,
DotNetIdentity.Models.ViewModels.ChangePassword	dViewMode#9
50	RoleName
NewUser	DotNetIdentity.Models.ViewModels.AssignRoleViewModel,
DotNetIdentity.Controllers.AdminController, 30	49
None	Roles
DotNetIdentity.Models, 15	DotNetIdentity.Controllers.AdminController, 31
Bott tottaoritity. Woodolo, 10	DotNetIdentity.Models.ViewModels.EditUserViewModel,
OnModelCreating	
DotNetIdentity.Data.AppDbContext, 35	59
Dolivelide Hity. Data. Appuboontext, 33	DotNetIdentity.Models.ViewModels.NewUserModel,
Password	87
	RolesCombined
DotNetIdentity.Models.BusinessModels.MailSettings,	DotNetIdentity.Models.Identity.AppUser, 48
79	RouteOfException
DotNetIdentity.Models.ViewModels.ChangePassword	dViewModels.ViewModels.StatusCodesModel,
50	106
DotNetIdentity.Models.ViewModels.NewUserModel,	100
86	Save
	iewM @et NetIdentity.Services.SettingsService.AppSettingsBase,
90	
	43
DotNetIdentity.Models.ViewModels.SignInViewMode	,
101	75
DotNetIdentity.Models.ViewModels.SignUpViewModels	el, DotNetIdentity.Services.SettingsService.SettingsService,
105	100
PasswordContainsUsername	SendAsync
DotNetIdentity.IdentitySettings.ErrorDescriber, 64	DotNetIdentity.Helpers.EmailHelper, 61
PhoneNumber	SessionCookieExpiration
DotNetIdentity.Models.ViewModels.EditUserViewModels	•
59	,
	72
DotNetIdentity.Models.ViewModels.UpdateProfileVie	
113	DotNetIdentity.Models.BusinessModels.GlobalSettings,
ping	72
DotNetIdentity.Controllers.UserController, 123	SessionTimeoutWarnAfter
ProcessAsync	DotNetIdentity.Models.BusinessModels.GlobalSettings,
DotNetIdentity.Helpers.TagHelpers.UserProfileImage	· · · · · · · · · · · · · · · · · · ·
133	SetCulture
	per, DotNetIdentity.Controllers.CultureController, 56
135	SettingsApp
Profile	DotNetIdentity.Controllers.SettingsController, 96
DotNetIdentity.Controllers.RoleBasedController, 92	SettingsController
DotNetIdentity.Controllers.UserController, 124	DotNetIdentity.Controllers.SettingsController, 95
ProfilePicture	SettingsLdap
DotNetIdentity.Models.Identity.AppUser, 47	DotNetIdentity.Controllers.SettingsController, 96
DotNetIdentity.Models.ViewModels.UpdateProfileVie	
113	DotNetIdentity.Controllers.SettingsController, 97,
Properties	98
•	
DotNetIdentity.Models.DataModels.AppLogs, 40	SettingsService
Danistan	DotNetIdentity.Services.SettingsService.SettingsService,
Register	99
DotNetIdentity.Controllers.UserController, 125, 126	SharedKey
RememberMe	DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModels
DotNetIdentity.Models.ViewModels.SignInViewMode	
102	ShowRequestId
RequestId	·
DotNetIdentity.Models.ViewModels.ErrorViewModel,	DotNetIdentity.Models.ViewModels.ErrorViewModel,
67	67
UI .	SlidingExpirationInSeconds

DotNetIdentity.Models.DataModels.SessionCache, 93	UpsertRole DotNetIdentity.Controllers.AdminController, 32
SmtpFromAddress DotNetIdentity.Models.BusinessModels.MailSettings,	UserController DotNetIdentity.Controllers.UserController, 116
80	Userld
SmtpPort	DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper,
DotNetIdentity.Models.BusinessModels.MailSettings,	133
80 SmtnSorver	DotNetIdentity.Helpers.TagHelpers.UserRolesTagHelper, 136
SmtpServer DotNetIdentity.Models.BusinessModels.MailSettings,	DotNetIdentity.Models.ViewModels.ResetPasswordViewModel,
80	90
SmtpUseTls	UserName
DotNetIdentity.Models.BusinessModels.MailSettings,	Dot Net Identity. Models. View Models. Edit User View Model,
80	59
Software	DotNetIdentity.Models.ViewModels.NewUserModel,
DotNetIdentity.Controllers.ClaimBasedController,	87
52 DatNatida atita Madala 40	DotNetIdentity.Models.ViewModels.SignInViewModel,
DotNetIdentity.Models, 13 StatusCode	102 DetNetIdentity Medala ViewMedala Sign InViewMedal
DotNetIdentity.Models.ViewModels.StatusCodesMod	DotNetIdentity.Models.ViewModels.SignUpViewModel, el. 105
106	DotNetIdentity.Models.ViewModels.UpdateProfileViewModel,
Subject	113
DotNetIdentity.Models.BusinessModels.EmailModel,	Username
62	DotNetIdentity.Models.BusinessModels.MailSettings,
SystemLogs	81
DotNetIdentity.Controllers.AdminController, 32	UserNameContainsEmail
Timestams	DotNetIdentity.IdentitySettings.ErrorDescriber, 64
Timestamp DotNetIdentity.Models.DataModels.AppLogs, 40	UserNameLength
To	DotNetIdentity.IdentitySettings.ErrorDescriber, 64 UserProfileImageTagHelper
DotNetIdentity.Models.BusinessModels.EmailModel,	DotNetIdentity.Helpers.TagHelpers.UserProfileImageTagHelper,
62	132
Token	UserRolesTagHelper
DotNetIdentity.Models.ViewModels.ResetPasswordVi	ewMqdetNetIdentity.Helpers.TagHelpers.UserRolesTagHelper,
90	135
TransformAsync	Users
DotNetIdentity.IdentitySettings.ClaimsTransformation	, ,
54 TwoFactorAuthenticationService	DotNetIdentity.Controllers.RoleBasedController, 92
DotNetIdentity.IdentitySettings.TwoFactorAuthenticati	d/AfielatieAsync
107	DotNetIdentity.IdentitySettings.Validators.PasswordValidator,
TwoFactorAuthenticator	88
DotNetIdentity.Controllers.UserController, 128	DotNetIdentity.IdentitySettings.Validators.UserValidator,
TwoFactorLogin	137
DotNetIdentity.Controllers.UserController, 129, 130	Value
TwoFactorType	DotNetIdentity.Models.DataModels.ApplicationSettings,
DotNetIdentity.Controllers.UserController, 130, 131	38 DetNettdenstite Medale DetaMedale Consider Control
DotNetIdentity.Models, 15 DotNetIdentity.Models.Identity.AppUser, 48	DotNetIdentity.Models.DataModels.SessionCache, 94
DotNetIdentity.Models.ViewModels.TwoFactorLoginV	
110	DotNetIdentity.Models.ViewModels.TwoFactorAuthenticatorViewModels
DotNetIdentity.Models.ViewModels.TwoFactorTypeVio	•
111	DotNetIdentity.Models.ViewModels.TwoFactorLoginVieWModel,
Туре	110
DotNetIdentity.Models.DataModels.ApplicationSetting	
38	DotNetIdentity.Controllers.ClaimBasedController,
Unknown	53
DotNetIdentity.Models, 15	