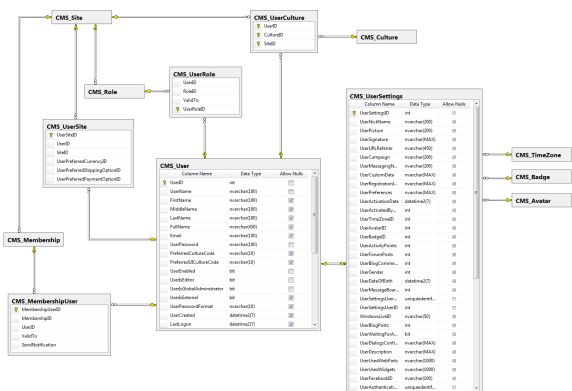## Database tables

The following database tables store user data:

Database table	Description
CMS_User	Stores records representing users.
CMS_UserSettings	Stores the advanced settings of user accounts.
CMS_UserSite	Stores relationships between users and sites. Each entry indicates that a specific user account is available on a given site.
CMS_UserCulture	Stores relationships between users and cultures. Each entry indicates that a user may edit the content of documents belonging to a specified culture/language (if the given user has the Editor privilege level).

The following database tables store the data of user roles, permissions and memberships:

Database table	Description
CMS_Role	Stores records representing roles.
CMS_UserRole	Stores relationships between users and roles. Each entry indicates that a specific role is assigned to a given user. Also stores the expiration date for roles that are assigned for a limited time period.
CMS_Membership	Stores records representing memberships.
CMS_MembershipUser	Stores relationships between users and memberships. Each entry indicates that a user belongs to a specific membership. Also stores the expiration date for roles that are assigned for a limited time period.
CMS_MembershipRole	Stores relationships between roles and memberships. Each entry indicates that a membership includes a specific role.
CMS_Permission	Stores the system's permissions.
CMS_RolePermission	Stores relationships between roles and permissions. Each entry indicates that a role has a specific permission.
CMS_RoleUIElement	Stores UI personalization settings for roles.

CMS_RoleApplication	Stores the default application content of the system dashboard for individual roles (the system uses UI elements to represent applications).
	Users can individually adjust their own dashboard and override these default settings.
CMS_ACLItem	Stores page-level permissions, and their relationships with users or roles.
CMS_ACL	Stores relationships between ACL items and individual pages (tree nodes).

CMS_ACLItem
- ACLItemID
- ACLID
- UserID
- RoleID
- Allowed
- Denied
- LastModified
- LastModifiedByUserID

CMS_RoleUIElement
- RoleID
- ElementID

CMS_UIElement

CMS_ACL

CMS_Role

Column Name	Data Type	Allow Nulls
RoleID	int	
RoleDisplayName	nvarchar(100)	
RoleName	nvarchar(100)	
RoleDescription	nvarchar(MAX)	☑
SiteID	int	☑
RoleGUID	uniqueidentifier	
RoleLastModified	datetime2(7)	
RoleGroupID	int	☑
RoleIsGroupAdministrator	bit	☑
RoleIsDomain	bit	☑

CMS_UserRole
- UserID
- RoleID
- ValidTo
- UserRoleID

CMS_User

CMS_MembershipUser
- MembershipUserID
- MembershipID
- UserID
- ValidTo
- SendNotification

CMS_Site

CMS_MembershipRole
- MembershipID
- RoleID

CMS_RoleApplication
- RoleID
- ElementID

CMS_Membership

CMS_RolePermission
- RoleID
- PermissionID

CMS_Permission