

# Praxis Auth-Web

A Security Framework add-on

Auth-Web is a module that can plug-in to a system or a number of systems to manage authorisation of access to system functionality and data.

Auth-Web works with external authentication providers including Active Directory and KeyCloak.

Auth-Web has a user interface for the system admin to manage the access rights.

Auth-Web can provide these services to more than one system from a single Auth-Web installation, allowing common and separate roles.

Auth-Web holds the menu structure for a system and provides menus customised to roles to its client systems. Thus each user's menu is determined by their role(s).

Auth-Web can also maintain system access tracking audit records.

Auth-Web provides configuration maintenance interface for a system admin.

Auth-Web is primarily an authorisation security system that manages:

- Systems.
- Roles and users within the system.
- Menus, forms and their accessibility to roles within the system.
- Action items on forms and their accessibility to roles within the system.
- Configurations items for a system.

Auth-Web can also be used to provide stand-alone login authentication and login tracking.

Auth-Web is used alongside other systems to provide the setup and services described above. It consists of a database, classes to provide the above services to .Net applications and web forms to maintain the data and relationships.

One Auth-Web instance can support multiple systems simultaneously.

System admins use Auth\_Web to define and maintain:

- Systems (to which we link roles, menus, forms and configuration items).
- Configuration items for a system.
- Menus, sub-menus and the forms accessible from the menus and from other forms.
- Roles which can be system access roles and/or workflow roles.
- Roles' access to menus, sub-menus and forms.
- Users and their links to roles.

Client business systems can use Auth-Web to:

- Read configuration data. This means that an allied system need only have one configuration item (to access the Auth-Web database) and then read other configuration items from Auth\_Web.
- Build role specific menus dependant on the role of the user.

## 4.2. Use Auth-Web to control actions on forms

### 4.2.1. Setup

Auth-Web has menus and sub menus (forms). On each submenu there are actions like add edit delete view etc. These actions are assigned to a role then the role is assigned to users.

Figure 14 – Setup actions on forms

## 3.2. Use Case: Manage Menu

Description	View Menu
<b>Actors</b>	Auth-Web Admin User
<b>Pre conditions</b>	1.Auth-Web Admin user is logged on. 2.Auth-Web Admin user has access view Menu
<b>Post conditions</b>	1>List of existing Menu_ will be displayed
<b>Flow of events</b>	1>User Selects Menu from the list 2>User can edit or delete the menu
<b>Alternate Flow</b>	

Table 4 - Use Case: Manage Menu

### 3.2.1. Screen: View Menus and Sub Menus

Figure 4 - View Menu

Figure 5 - Edit Menu

### 3.2.2. Field Definitions

Label	Description	Compulsory
<b>Code</b>	Distinct Code to identify the system	Yes
<b>Name</b>	Name of System	Yes
<b>Description</b>	What the system does	No
<b>System ID</b>	The Html that is displayed on your Auth-Web System	Yes
<b>IsWorkflowRole</b>	Is the role going to be used in a workflow	Yes
<b>IsAuthorizationRole</b>	Is the role going to be used for Authorization	Yes
<b>IsDefaultRole</b>	Is it a default role	No

Table 5 - Field Definitions