**Test Case #1 - Create a New User**

**Test that creates a new user.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. After the presenter has saved the user, asserts that the user got saved correctly by checking values on the database.

**Ends with**: New user created.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestCreateUser.

**Test Case #2 - Select a User**

**Tests the selection of a pre-existing user for edition.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. After the presenter has saved the user, changes the selected user property of the view to the created user.
4. Raise the [UserSelectedEvent](http://bhal.pbworks.com/UserSelectedEvent) passing the created user in the event args.
5. Asserts that the correct user got selected.
6. Assert in the database that the user is correct.

**Ends with**: User selected and his info loaded in the view.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestSelectUser.

**Test Case #3 - Update a User**

**Test updating data of the selected user.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. After the presenter has saved the user, changes the selected user property of the view to the created user.
4. Raise the [UserSelectedEvent](http://bhal.pbworks.com/UserSelectedEvent) passing the created user in the event args.
5. Changes the desired view properties to alternate values.
6. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
7. After the presenter has saved the user, asserts that the user got saved correctly by checking values on the database.

**Ends with**: User selected, updated and his info loaded in the view.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestUpdateUser.

**Test Case #4 - Create a new User and Cancel**

**Test Creating a new user, but before saving canceling the update.**

**The view must be empty.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values.
2. Raises the [CancelEdit](http://bhal.pbworks.com/CancelEdit) event so the presenter gets notified.
3. After the presenter has reset the view, asserts that the view is empty.

**Ends with**: Empty view, despite the changes made before cancelling the creation.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestCreateNewAndCancel.

**Test Case #5 - Update a User and Cancel**

**Test Updating an user, but before saving cancel the update.**

**The original information of the user must be restored.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. After the presenter has saved the user, changes the selected user property of the view to the created user.
4. Raise the [UserSelectedEvent](http://bhal.pbworks.com/UserSelectedEvent) passing the created user in the event args.
5. Changes the desired view properties to alternate values.
6. Raises the [CancelEdit](http://bhal.pbworks.com/CancelEdit) event so the presenter gets notified.
7. After the presenter has reset the view, asserts that the view data is that of the user in the database.

**Ends with**: Selected user info loaded in the view, despite the changes made before cancelling the update.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestUpdateAndCancel.

**Test Case #6 - Save User with empty username**

**Test Creating a new user with empty username.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values with an empty username.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. Catches the [InvalidOperationException](http://bhal.pbworks.com/InvalidOperationException).

**Ends with**: Exception.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestSaveEmptyUserName.

**Test Case #7 - Save a new user with empty e-mail**

**Test Creating a new user with empty e-mail.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values with an empty e-mail.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. Catches the [InvalidOperationException](http://bhal.pbworks.com/InvalidOperationException).

**Ends with**: Exception.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestSaveEmptyEmail.

**Test Case #8 - Save a new user with no roles**

**Test Creating a new user with no roles.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values with no roles.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. Catches the [InvalidOperationException](http://bhal.pbworks.com/InvalidOperationException).

**Ends with**: Exception.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestSaveUserWithNoRoles.

**Test Case #9 - Save a new user with the same username as an existing user**

**Test Creating a new user with the same username as an existing user.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values with the same username as an existing user.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. Catches the [InvalidOperationException](http://bhal.pbworks.com/InvalidOperationException).

**Ends with**: Exception.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestSaveUserWithSameUserNameAsExistingOne.

**Test Case #10 - Save a new user with the same e-mail as an existing user**

**Test Creating a new user with the same e-mail as an existing user.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values with the same e-mail as an existing user.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. Catches the [InvalidOperationException](http://bhal.pbworks.com/InvalidOperationException).

**Ends with**: Exception.

**Implemented in**: Namespace Bhal.Testing.MVP.Security and unit test [UserManagementTests](http://bhal.pbworks.com/UserManagementTests).TestSaveUserWithSameEmailAsExistingOne.

**Test Case #11 - Updates an user´s e-mail to that of an existing user**

**Test updating an user´s e-mail to that of an existing user.**

**Starts with**: User Management form shown to the user.

**Actions**:

1. Changes the view properties to the desired values.
2. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
3. After the presenter has saved the user, changes the selected user property of the view to the created user.
4. Raise the [UserSelectedEvent](http://bhal.pbworks.com/UserSelectedEvent) passing the created user in the event args.
5. Changes the desired view properties to alternate values with the same e-mail as an existing user.
6. Raises the [SaveUser](http://bhal.pbworks.com/SaveUser) event so the presenter gets notified.
7. Catches the [InvalidOperationException](http://bhal.pbworks.com/InvalidOperationException).