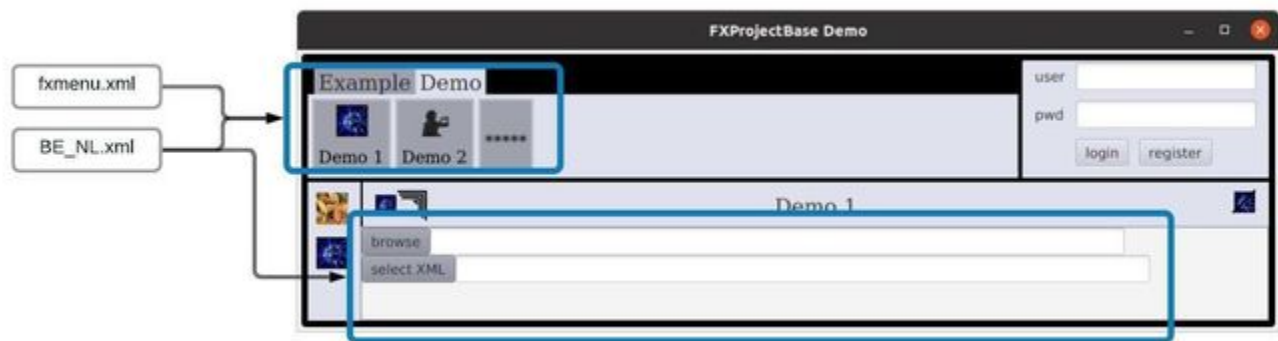# XML configuration

> ℹ️ all recources are stored in the map config/

The configuration is stored in these xml files

- config.xml
    - xml paths for menu setup and translations
    - behavioural settings
    - GUI visual settings
- fxmenu.xml - filename is configures in config.xml
    - tabs panels
    - tab toolbar menu
- "languagecode".xml - filename is based on **ISO 639-1** standard language codes
    - application labels
    - tab and toolbar labels
    - widget labels
    - component labels

config.xml

```
<config>
        <menu>
                <menutab>TAB_EXAMPLE</menutab>
                <menutab>TAB_DEMO</menutab>
        </menu>
        <tabcontrol>
                <panel icon="icons/leafs.jpg" menutab="TAB_EXAMPLE">
                        <id>WIDGET_EXAMPLE1</id>
                        <classname>base.examples.widgets.example1.
Example1</classname>
                </panel>
                <panel icon="icons/sphere.jpg" menutab="TAB_DEMO">
                        <id>WIDGET_DEMO1</id>
                        <classname>base.examples.widgets.demo1.Demo1<
/classname>
                </panel>
                <panel icon="icons/photographer.jpg" menutab="TAB_DEMO">
                        <id>WIDGET_DEMO2</id>
                        <classname>base.examples.widgets.demo2.Demo2<
/classname>
                </panel>
        </tabcontrol>
</config>
```

server

Server url of full path, where the config map is located

defaultwebservice

Optional webservice path to use in project

defaultlanguage

language loaded on startup the prefix '.xml' is added to form the complete filename

translationmap

submap of config where translations are stored

fxmenuxml

menu xml file

defaultscreen

optional java full class name

UIsettings

various graphical settings

UIelements

named elements used in the user interface waiticon and expandicon are used in FXProjectBase and refer to icon files

fxmenu.xml

```xml
<config>
        <menu>
                <menutab>TAB_EXAMPLE</menutab>
                <menutab>TAB_DEMO</menutab>
        </menu>
        <tabcontrol>
                <panel icon="icons/leafs.jpg" menutab="TAB_EXAMPLE">
                        <id>WIDGET_EXAMPLE1</id>
                        <classname>base.examples.widgets.example1.
Example1</classname>
                </panel>
                <panel icon="icons/sphere.jpg" menutab="TAB_DEMO">
                        <id>WIDGET_DEMO1</id>
                        <classname>base.examples.widgets.demo1.Demo1<
/classname>
                </panel>
                <panel icon="icons/photographer.png" menutab="TAB_DEMO">
                        <id>WIDGET_DEMO2</id>
                        <classname>base.examples.widgets.demo2.Demo2<
/classname>
                </panel>
                <panel icon="" menutab="TAB_DEMO">
                        <id>WIDGET_DEMO3</id>
                        <classname>base.examples.widgets.demo2.Demo3<
/classname>
                </panel>
        </tabcontrol>
</config>
```

menu

> list of menu tabs, with tab names as content. Tab names are used to assign panels and for label translation

tabcontrol

> list of panels

panel

panel configuration

- icon - optional icon path (with config/ as root)
- menutab - tab name this belongs to
- id - name for panel/widget
- classname - java full class name

"languagecode".xml

contains all label translation for one language

example:

```xml
<root>
  <APPLICATION_TITLE>FXProjectBase Demo</APPLICATION_TITLE>
        <APPLICATION_USERNAME>user</APPLICATION_USERNAME>
        <APPLICATION_PASSWORD>pwd</APPLICATION_PASSWORD>
        <APPLICATION_USERWELCOME>welcome</APPLICATION_USERWELCOME>
        <APPLICATION_BUTTONLOGIN>login</APPLICATION_BUTTONLOGIN>
        <APPLICATION_LOGINFAILED>login failed</APPLICATION_LOGINFAILED>
        <APPLICATION_BUTTONREGISTER>register<
/APPLICATION_BUTTONREGISTER>
        <APPLICATION_BUTTONREGISTERNEW>register<
/APPLICATION_BUTTONREGISTERNEW>
        <APPLICATION_BUTTONLOGOUT>logout</APPLICATION_BUTTONLOGOUT>

        <TAB_EXAMPLE>Example</TAB_EXAMPLE>
        <TAB_DEMO>Demo</TAB_DEMO>
        <WIDGET_EXAMPLE1>Example Page</WIDGET_EXAMPLE1>
        <WIDGET_DEMO1>Demo 1</WIDGET_DEMO1>
        <WIDGET_DEMO2>Demo 2</WIDGET_DEMO2>

        <WIDGET id="WIDGET_EXAMPLE1">
    <TXT1>Example form</TXT1>
        </WIDGET>

        <WIDGET id="WIDGET_DEMO1">
    <BUTTON_BROWSE>browse</BUTTON_BROWSE>
    <BUTTON_XML>select XML</BUTTON_XML>
    <BUTTON_XMLCHOOSER>select XML</BUTTON_XMLCHOOSER>
        </WIDGET>

        <WIDGET id="WIDGET_DEMO2">
        </WIDGET>

        <COMPONENT id="popupmessage">
    <WINDOW_TITLE>Message</WINDOW_TITLE>
    <BUTTON_OK>OK</BUTTON_OK>
        </COMPONENT>

</root>
```

APPLICATION labels

all application labels are mandatory and can not be removed. They are a fixed part of this framework.

TAB_ and WIDGET_ labels

these are the label translation of the menu/widget items defined in the menu xml

WIDGET labels

id refers to a widget specified in the menu xml. Contains all widget labels

COMPONENT labels

Components are sub parts of a widget, where the id is free to choose and is assigned inside the component itself.