Report concerning:

**Template Program**

By

**L. Dries**

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# Introduction

Starting with a new program in a windows environment is a time consuming workload. Because every time a lot of the same preparations must be made to arrive at a working program before you can start the essentials of the problem you are working on. In the template program the WYSIWYG software is the GTKADA version of GTK. For GTKADA is a program to build the GTK environment in a graphical way created, Glade. But the Author find Glade at some points a little to complicate to use, especially when a number of dialog windows are needed. This is a reason to use a template program that can simply be converted to a real program. That program makes use of the Init package to set a number of parameters program so that of different computers these parameters can be adjusted to the situation on that computer. One of such parameters is the language in which the computer communicate with the user. At this moment five languages are possible, but extension of this number is simple and will be discussed later.

As the author of this description is not an expert in all these languages Google translate was used for some of the languages.

There is a special program CR\_Project that will do the conversion to the program you can use. In that program you will be able to choose if a complete template program will be converted or only a dialog window. If the complete template is converted one dialog window is included.

# General

The Template program is a set of files that can successfully be compiled and build to a simple executable file.

The purpose of these files is just to create the ADS and ADB files for a new program and not the run a template program. The program covers template functions and procedures for all functions reachable via the rudimentary file menu structure. Most of these functions and procedures use only a “null” function, so in the structure after the conversion you will have to enter the real algorithms you want to use. The menu items for file management can show opening files, saving files and searching for directories. In the template the possibility is created to use the communication between program and user in several languages (English (GB\_USA), Dutch (NL\_B), French (FR), German (DE) and Spanish (ES)).

Some functionality of the converted program you will not need so you can delete these parts. Extra functionality can simply be built in at points where other functions are shown.

In the converted program there is one package that only consists of a specification and has no body. The package is named “….\_general”, that package is meant to be used for all generic variables, type declarations and in combination with a package body for generally used procedures and functions. The dialog template shows how to use normal entries, check boxes, combo boxes and radio buttons.

# Program structure

The program is visibly divided in the following parts:

* The main program including the building of the GUI. This part also includes the General Package
* The Dialog that can be called.
* The language chooser.
* The file chooser

The dialog is can also be created apart from a working program just to make extra dialog for a program.

The Template program consist of the following packages:

* Template. This is the initiating package of the program.
* Template\_Main\_Init and Template\_Main\_FC. These do the Initialization of the Graphical User Interface.
* Template\_General. All general variables are found in here.
* Template\_Convert. Which doe the actual converting.
* Template\_FC\_Init and Template\_FC\_CB. Which are the initialization and Call Back packages used for file handling.
* Template\_Dialog\_Init and Template\_ Dialog\_CB. Which are the initialization and Call Back packages for importing the new names
* Template\_Languages, Template\_Languages\_Dialog\_Init and Template\_Languages\_Dialog\_CB, which are packages that handle the language in which Template communicates with the user.
* Program\_Init. This is a standard package to conserve date for the next time Template is started

# Use of the program

To create a program convert the Template program once to start your development of your program. If necessary make as many extra dialog sets as you need and start filling your program with your own algorithms.

# Listings

## Project file

The project file is the one used in “the GNAT Programming Studio”

with "gtkada";

project Template is

for Object\_Dir use "./build";

for Exec\_Dir use ".";

type Build\_Kind is

("static", "relocatable");

Library\_Type : Build\_Kind := external ("LIBRARY\_TYPE", "static");

case Library\_Type is

when "static" =>

for Source\_Dirs use (".", "../../Standaarden/Standaard Packages/Init/\*\*");

for Main use ("Template.adb");

when "relocatable" =>

end case;

package Ide is

for Documentation\_Dir use "./doc";

end Ide;

package Builder is

case Library\_Type is

when "static" =>

for Default\_Switches ("ada") use ("-s", "-m", "-j4", "-g");

when "relocatable" =>

for Default\_Switches ("ada") use ("-s");

end case;

end Builder;

package Compiler is

case Library\_Type is

when "static" =>

for Default\_Switches ("ada") use ("-gnatQ", "-g", "-gnata", "-gnatf");

when "relocatable" =>

for Default\_Switches ("ada") use ("-O2");

end case;

end Compiler;

package Linker is

-- for Windows production only ;; remove for Linux / Mac / Win debug

case Library\_Type is

when "static" =>

for Default\_Switches ("ada") use ("-mwindows", "-g");

when "relocatable" =>

for Default\_Switches ("ada") use ("-mwindows");

end case;

end Linker;

end Template;

## Specifications

### Template\_Dialog\_CB

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Gdk.Event; use Gdk.Event;

with Gtk.Dialog; use Gtk.Dialog;

with Gtk.Button; use Gtk.Button;

with Gtk.Menu\_Item; use Gtk.Menu\_Item;

with Gtk.Combo\_Box\_Text; use Gtk.Combo\_Box\_Text;

package Template\_Dialog\_CB is

procedure On\_Dialog\_End (Object : access Gtk\_Button\_Record'Class);

function On\_Dialog\_Delete\_Event (Object : access Gtk\_Dialog\_Record'Class;

Event : Gdk.Event.Gdk\_Event) return boolean;

procedure On\_OK (Object : access Gtk\_Button\_Record'Class);

end Template\_Dialog\_CB;

### Template\_Dialog\_Init

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.Widget;

with Gtk.Dialog; use Gtk.Dialog;

with Gtk.Box; use Gtk.Box;

with Gtk.Button; use Gtk.Button;

with Gtk.Label; use Gtk.Label;

with Gtk.GEntry; use Gtk.GEntry;

with Gtk.List\_Store; use Gtk.List\_Store;

with Gtk.Combo\_Box\_Text; use Gtk.Combo\_Box\_Text;

with Gtk.Check\_Button; use Gtk.Check\_Button;

with Gtk.Radio\_Button; use Gtk.Radio\_Button;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package Template\_Dialog\_Init is

type Win\_Dialog\_Record is new Gtk\_Dialog\_Record with record

--------------------------------------------------------------------------

-- --

-- Main Box --

-- --

--------------------------------------------------------------------------

Dialog\_Box : Gtk\_Box;

--------------------------------------------------------------------------

-- --

-- Input\_Box --

-- --

--------------------------------------------------------------------------

Input\_Box : Gtk\_Box;

--------------------------------------------------------------------------

-- --

-- Box for normal Entry and Label --

-- --

--------------------------------------------------------------------------

Input\_Entry : Gtk\_Box;

Input\_Line1 : Gtk\_Box;

Input\_Line2 : Gtk\_Box;

--------------------------------------------------------------------------

-- --

-- Label and entry --

-- --

--------------------------------------------------------------------------

Label\_Line1 : Gtk\_Label;

Label\_Line2 : Gtk\_Label;

Str\_Line1 : Gtk\_Entry;

Str\_Line2 : Gtk\_Entry;

--------------------------------------------------------------------------

-- --

-- Box for normal Check Button --

-- --

--------------------------------------------------------------------------

Input\_ChBut : Gtk\_Box;

Check\_But : Gtk\_Check\_Button;

Label\_CH\_Box : Gtk\_Label;

--------------------------------------------------------------------------

-- --

-- Create 3 Boxes for RadioButtons together with 3 radio buttons --

-- --

--------------------------------------------------------------------------

Input\_Radio1 : Gtk\_Box;

Input\_Radio2 : Gtk\_Box;

Input\_Radio3 : Gtk\_Box;

Radio1\_But : Gtk\_Radio\_Button;

Radio2\_But : Gtk\_Radio\_Button;

Radio3\_But : Gtk\_Radio\_Button;

Radio\_Grp : Gtk\_Box;

Radio\_Group : access Gtk\_Radio\_Button\_Record'Class;

--------------------------------------------------------------------------

-- --

-- Label and Combobox --

-- --

--------------------------------------------------------------------------

Input\_Combo : Gtk\_Box;

Label\_Combo : Gtk\_Label;

Str\_Combo : Gtk\_Combo\_Box\_Text;

--------------------------------------------------------------------------

-- --

-- Button Box --

-- --

--------------------------------------------------------------------------

Button\_Box : Gtk\_Box;

--------------------------------------------------------------------------

-- --

-- Buttons OK and Cancel --

-- --

--------------------------------------------------------------------------

OK : Gtk\_Button;

Cancel : Gtk\_Button;

end record;

type Win\_Dialog\_Access is access all Win\_Dialog\_Record'Class;

Dialogsize\_H : Gint := 150; -- Width of the dialog window

Dialogsize\_V : Gint := 80; -- Height of the dialog window

Main\_Dialog : Win\_Dialog\_Access;

Dialog\_Open : Boolean := false;

-----------------------------------------------------------------------------

-- --

-- Parameters for Combobox --

-- --

-----------------------------------------------------------------------------

n\_ID : Gint := 0;

-----------------------------------------------------------------------------

-- --

-- Parameters for Entry box --

-- --

-----------------------------------------------------------------------------

last\_txt1 : Unbounded\_String := To\_Unbounded\_String("Last Input1");

last\_txt2 : Unbounded\_String := To\_Unbounded\_String("Last Input2");

-----------------------------------------------------------------------------

-- --

-- Parameters for Check button --

-- --

-----------------------------------------------------------------------------

mode : boolean := false;

-----------------------------------------------------------------------------

-- --

-- Parameters for Radio buttons --

-- --

-----------------------------------------------------------------------------

mode\_Radio1 : boolean := true;

mode\_Radio2 : boolean := false;

mode\_Radio3 : boolean := false;

procedure Gtk\_New(MainDialog : out Win\_Dialog\_Access);

procedure Init(MainDialog : access Win\_Dialog\_Record'Class);

end Template\_Dialog\_Init;

### Template\_FC\_CB

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pragma License(Unrestricted);

with Gtk.Button; use Gtk.Button;

Package Template\_FC\_CB is

procedure On\_FC\_Open\_OK (Object : access Gtk\_Button\_Record'Class);

procedure On\_FC\_Save\_OK (Object : access Gtk\_Button\_Record'Class);

procedure On\_FC\_Dir\_OK (Object : access Gtk\_Button\_Record'Class);

procedure On\_FC\_Cancel (Object : access Gtk\_Button\_Record'Class);

end Template\_FC\_CB;

### Template\_FC\_Init

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pragma License(Unrestricted);

with Gtk.Widget; use Gtk.Widget;

with Gtk.Dialog; use Gtk.Dialog;

with Gtk.Button; use Gtk.Button;

with GTk.File\_Chooser; use Gtk.File\_Chooser;

with Gtk.File\_Chooser\_Dialog; use Gtk.File\_Chooser\_Dialog;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package Template\_FC\_Init is

Open\_Title : constant String := "Open";

Save\_As\_Title : constant String := "Save As";

Dir\_Title : constant String := "Directory";

File\_Open\_Dialog : Gtk\_File\_Chooser\_Dialog;

File\_Save\_Dialog : Gtk\_File\_Chooser\_Dialog;

File\_Dir\_Dialog : Gtk\_File\_Chooser\_Dialog;

FC\_Open\_Cancel : Gtk\_Button;

FC\_Open\_OK : Gtk\_Button;

FC\_Dir\_OK : Gtk\_Button;

FC\_Save\_Cancel : Gtk\_Button;

FC\_Dir\_Cancel : Gtk\_Button;

FC\_Save\_OK : Gtk\_Button;

Default\_Name : constant String := "Default\_File";

File\_Name : Unbounded\_String := To\_Unbounded\_String(Default\_Name);

Extension : Unbounded\_String := To\_Unbounded\_String("txt");

procedure Init\_Open;

procedure Init\_Save;

procedure Init\_Select\_Folder;

end Template\_FC\_Init;

### Template\_General

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package Template\_General is

type File\_Status is (Open, Save, Dir);

n\_ini : integer;

Icon\_Name : constant UTF8\_string := "Template.ico";

Cur\_Folder : Unbounded\_String;

Inp\_Folder : Unbounded\_String;

Out\_Folder : Unbounded\_String;

end Template\_General;

### Template\_Languages

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package Template\_Languages is

type Language is (GB\_USA, NL\_B, F\_B, D, ES);

Lan\_ID : Gint := 0;

-----------------------------------------------------------------------------

-- --

-- If not all languages are wanted nr\_languages must be altered and in --

-- CH\_Lanuages CH\_Languages the not wanted languages must be deleted --

-- --

-----------------------------------------------------------------------------

nr\_languages : constant integer := 5;

type ar\_lan is array (0 .. nr\_languages - 1) of Language;

Lan : Language := GB\_USA;

CH\_Languages : constant ar\_lan := (GB\_USA, NL\_B, F\_B, D, ES);

-- Languages Names

Language\_Names : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("English"), To\_Unbounded\_String("Nederlands"),

To\_Unbounded\_String("Francais"), To\_Unbounded\_String("Deutsch"),

To\_Unbounded\_String("Espagnol"));

-- Titles

Lan\_Window\_Title : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Template Program"),

To\_Unbounded\_String("Template Programma"),

To\_Unbounded\_String(""), To\_Unbounded\_String(""),

To\_Unbounded\_String(""));

Lan\_Dialog\_Title : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Template Dialog"),

To\_Unbounded\_String("Template Dialoog"),

To\_Unbounded\_String(""), To\_Unbounded\_String(""),

To\_Unbounded\_String(""));

-- Menu

Lan\_File : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("\_File"), To\_Unbounded\_String("\_Bestanden"),

To\_Unbounded\_String("Fichier"), To\_Unbounded\_String("Datei"),

To\_Unbounded\_String("Archivo"));

Lan\_Edit : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("\_Edit"), To\_Unbounded\_String("Be\_werken"),

To\_Unbounded\_String("Modifier"), To\_Unbounded\_String("Bearbeiten"),

To\_Unbounded\_String("Editar"));

Lan\_View : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("\_View"), To\_Unbounded\_String("Beeld"),

To\_Unbounded\_String("Vue"), To\_Unbounded\_String("Bild"),

To\_Unbounded\_String("Ver"));

Lan\_Help : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("\_Help"), To\_Unbounded\_String("Hulp"),

To\_Unbounded\_String("Aide"), To\_Unbounded\_String("Hilfe"),

To\_Unbounded\_String("Ayuda"));

Lan\_New : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("New"), To\_Unbounded\_String("Nieuw"),

To\_Unbounded\_String(""), To\_Unbounded\_String("Neu"),

To\_Unbounded\_String(""));

Lan\_Open : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Open"), To\_Unbounded\_String("Open"),

To\_Unbounded\_String("Ouvrir"), To\_Unbounded\_String("Ofnen"),

To\_Unbounded\_String("Abierto"));

Lan\_Save : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Save"), To\_Unbounded\_String("Opslaan"),

To\_Unbounded\_String("Sauvegarder"), To\_Unbounded\_String("Speichern"),

To\_Unbounded\_String("Guardar"));

Lan\_Save\_As : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Save As"), To\_Unbounded\_String("Opslaan Als"),

To\_Unbounded\_String("Enregistrer sous"), To\_Unbounded\_String("Speichern unter"),

To\_Unbounded\_String("Guardar como"));

Lan\_Print : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Print"), To\_Unbounded\_String("Print"),

To\_Unbounded\_String("Imprimer"), To\_Unbounded\_String("Drucken"),

To\_Unbounded\_String("Imprimir"));

Lan\_Print\_Option : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Print Options"), To\_Unbounded\_String("Print Opties"),

To\_Unbounded\_String("Options d'impression"), To\_Unbounded\_String("Druckoptionen"),

To\_Unbounded\_String("Opciones de impresión"));

Lan\_Properties : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Properties"), To\_Unbounded\_String("Eigenschappen"),

To\_Unbounded\_String("Propriétés"), To\_Unbounded\_String("Eigenschaften"),

To\_Unbounded\_String("Propiedades"));

Lan\_Language : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Languages"), To\_Unbounded\_String("Talen (Languages)"),

To\_Unbounded\_String("Langues (Languages)"), To\_Unbounded\_String("Sprachen (Languages)"),

To\_Unbounded\_String("Idiomas (Languages)"));

Lan\_Quit : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Quit"), To\_Unbounded\_String("Afsluiten"),

To\_Unbounded\_String("Quitter"), To\_Unbounded\_String("Verlassen"),

To\_Unbounded\_String("Dejar"));

Lan\_Cut : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Cut"), To\_Unbounded\_String("Knippen"),

To\_Unbounded\_String("Couper"), To\_Unbounded\_String("Kopieren"),

To\_Unbounded\_String("Cortar"));

Lan\_Copy : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Copy"), To\_Unbounded\_String("Copieren"),

To\_Unbounded\_String("Copie"), To\_Unbounded\_String("Schnitt"),

To\_Unbounded\_String("Dupdo"));

Lan\_Paste : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Paste"), To\_Unbounded\_String("Plakken"),

To\_Unbounded\_String("Coller"), To\_Unbounded\_String("Einfügen"),

To\_Unbounded\_String("Pegar"));

Lan\_Delete : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Delete"), To\_Unbounded\_String("Verwijderen"),

To\_Unbounded\_String("Effacer"), To\_Unbounded\_String("Löschen"),

To\_Unbounded\_String("Effacer"));

Lan\_About : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("About"), To\_Unbounded\_String("Over"),

To\_Unbounded\_String("Sur"), To\_Unbounded\_String("Über"),

To\_Unbounded\_String("Acerca de"));

--Buttons

Lan\_OK : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("OK"), To\_Unbounded\_String("OK"),

To\_Unbounded\_String("OK"), To\_Unbounded\_String("OK"),

To\_Unbounded\_String("OK"));

Lan\_Cancel : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Cancel"), To\_Unbounded\_String("Annuleren"),

To\_Unbounded\_String("Annuler"), To\_Unbounded\_String("Abbrechen"),

To\_Unbounded\_String("Cancelar"));

Lan\_Open\_But : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Open"), To\_Unbounded\_String("Open"),

To\_Unbounded\_String("Ouvrir"), To\_Unbounded\_String("Öffnen"),

To\_Unbounded\_String("Abierto"));

Lan\_Save\_but : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Save"), To\_Unbounded\_String("Opslaan"),

To\_Unbounded\_String("Sauvegarder"), To\_Unbounded\_String("Speichern"),

To\_Unbounded\_String("Guardar"));

Lan\_Set : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Set"), To\_Unbounded\_String("Zet"),

To\_Unbounded\_String("Tourner"), To\_Unbounded\_String("Wende an"),

To\_Unbounded\_String("Vuelta"));

-- Various Labels

procedure Reload\_Language(l : Language);

end Template\_Languages;

### Template\_Languages\_Dialog\_CB

------------------------------------------------------------------------------

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------------------------------------------------------------------------------

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------------------------------------------------------------------------------

pragma License(Unrestricted);

with Gdk.Event; use Gdk.Event;

with Gtk.Dialog; use Gtk.Dialog;

with Gtk.Button; use Gtk.Button;

with Gtk.Menu\_Item; use Gtk.Menu\_Item;

package Template\_Languages\_Dialog\_CB is

procedure On\_Lan\_End (Object : access Gtk\_Button\_Record'Class);

procedure On\_Lan\_Set (Object : access Gtk\_Button\_Record'Class);

function On\_Dialog\_Delete\_Event (Object : access Gtk\_Dialog\_Record'Class;

Event : Gdk.Event.Gdk\_Event) return boolean;

end Template\_Languages\_Dialog\_CB;

### Template\_Languages\_Dialog\_Init

------------------------------------------------------------------------------

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------------------------------------------------------------------------------

pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.Dialog; use Gtk.Dialog;

with Gtk.Box; use Gtk.Box;

with Gtk.Label; use Gtk.Label;

with Gtk.Combo\_Box\_Text; use Gtk.Combo\_Box\_Text;

with Gtk.Button; use Gtk.Button;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package Template\_Languages\_Dialog\_Init is

type Lan\_Dialog\_Record is new Gtk\_Dialog\_Record with record

Dialog\_Box : Gtk\_Box;

Input\_Box : Gtk\_Box;

Combo\_Box : Gtk\_Box;

Combo\_Label : Gtk\_Label;

Combo\_Inp : Gtk\_Combo\_Box\_Text;

Button\_Box : Gtk\_Box;

OK : Gtk\_Button;

Cancel : Gtk\_Button;

end record;

type Lan\_Dialog\_Access is access all Lan\_Dialog\_Record'Class;

Dialogsize\_H : Gint := 150; -- Width of the dialog window

Dialogsize\_V : Gint := 80; -- Height of the dialog window

Lan\_Dialog : Lan\_Dialog\_Access;

procedure Gtk\_New(LanDialog : out Lan\_Dialog\_Access);

procedure Init(LanDialog : access Lan\_Dialog\_Record'Class);

end Template\_Languages\_Dialog\_Init;

### Template\_Main\_CB

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Gdk.Event; use Gdk.Event;

with Gtk.Window; use Gtk.Window;

with Gtk.Menu\_Item; use Gtk.Menu\_Item;

with Gtk.Dialog; use Gtk.Dialog;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

with Template\_General; use Template\_General;

package Template\_Main\_CB is

First\_File : boolean := true;

File : File\_Status;

-- Exit of the program (Any reason)

procedure On\_Window\_Destroy (Object : access Gtk\_Menu\_Item\_Record'Class);

function On\_Window\_Delete\_Event (Object : access Gtk\_Window\_Record'Class;

Event : Gdk.Event.Gdk\_Event) return boolean;

procedure On\_New (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Open (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Save (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Save\_As (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Print (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Print\_Options (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Properties (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Languages (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Cut (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Copy (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Paste (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_Delete (Object : access Gtk\_Menu\_Item\_Record'Class);

-----------------------------------------------------------------------------

-- --

-- At this position the various user callback routines will be positioned --

-- On Test will be replaced --

-- --

-----------------------------------------------------------------------------

procedure On\_Test (Object : access Gtk\_Menu\_Item\_Record'Class);

procedure On\_About (Object : access Gtk\_Menu\_Item\_Record'Class);

end Template\_Main\_CB;

### Template\_Main\_Init

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Glib.Error; use Glib.Error;

with Glib.Object; use Glib.Object;

with Glib.Values; use Glib.Values;

with Gtk ; use Gtk;

with Gtk.Window; use Gtk.Window;

with Gtk.Button; use Gtk.Button;

with Gtk.Box; use Gtk.Box;

with Gtk.Menu\_Bar; use Gtk.Menu\_Bar;

with Gtk.Menu\_Item; use Gtk.Menu\_Item;

with Gtk.Separator\_Menu\_Item; use Gtk.Separator\_Menu\_Item;

with Gtk.Menu; use Gtk.Menu;

with Gtk.Scrolled\_Window; use Gtk.Scrolled\_Window;

with Gtk.Text\_View; use Gtk.Text\_View;

with Gtk.Text\_Buffer; use Gtk.Text\_Buffer;

with Gtk.Text\_Iter; use Gtk.Text\_Iter;

with Gtk.Status\_Bar; use Gtk.Status\_Bar;

with Gtk.Button; use Gtk.Button;

with Gtkada.Builder; use Gtkada.Builder;

with Gtkada.Dialogs; use Gtkada.Dialogs;

with Template\_Dialog\_Init; use Template\_Dialog\_Init;

package Template\_Main\_Init is

type Main\_Window\_Record is new Gtk\_Window\_Record with record

Main\_Box1 : Gtk\_Box;

Main\_Bar : Gtk\_Menu\_Bar; -- Menubar

File : Gtk\_Menu\_Item; -- File Menu in Menubalk

File\_Menu : Gtk\_Menu;

New\_Project : Gtk\_Menu\_Item; -- New in File menu

Open : Gtk\_Menu\_Item; -- Open in File menu

Save : Gtk\_Menu\_Item; -- Save in File menu

Save\_As : Gtk\_Menu\_Item; -- Save As in File menu

Separator1 : Gtk\_Separator\_Menu\_Item;

Print : Gtk\_Menu\_Item; -- Print in File menu

Print\_Options : Gtk\_Menu\_Item; -- Print Options in File menu

Separator2 : Gtk\_Separator\_Menu\_Item;

Properties : Gtk\_Menu\_Item; -- Properties in File menu

Languages : Gtk\_Menu\_Item; -- Lanmguages in File menu

Separator3 : Gtk\_Separator\_Menu\_Item;

Quit : Gtk\_Menu\_Item; -- Quit in File menu

Edit : Gtk\_Menu\_Item; -- Edit Menu in Menubalk

Edit\_Menu : Gtk\_Menu;

Cut : Gtk\_Menu\_Item; -- Cut in Edit menu

Copy : Gtk\_Menu\_Item; -- Copy in Edit menu

Paste : Gtk\_Menu\_Item; -- Paste in Edit menu

Delete : Gtk\_Menu\_Item; -- Delete in Edit menu

Template : Gtk\_Menu\_Item; -- Template Menu in Menubalk

Template\_Menu : Gtk\_Menu;

Test : Gtk\_Menu\_Item; -- Test in Template menu

View : Gtk\_Menu\_Item; -- View Menu in Menubalk

Help : Gtk\_Menu\_Item; -- Help Menu in Menubalk

Help\_Menu : Gtk\_Menu;

About : Gtk\_Menu\_Item; -- About in Help menu

Scrolledwindow : Gtk\_Scrolled\_Window;

Textview : Gtk\_Text\_View; -- Textview Part

Statusbar : Gtk\_Status\_Bar; -- Statusbar

end record;

type Main\_Window\_Access is access all Main\_Window\_Record'Class;

Mainsize\_H : Gint := 760; -- Width of the main window

Mainsize\_V : Gint := 670; -- Height of the main window

Main\_Window : Main\_Window\_Access;

procedure Gtk\_New(MainWindow : out Main\_Window\_Access);

procedure Init(MainWindow : access Main\_Window\_Record'Class);

end Template\_Main\_Init;

## Bodies

### Template

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Gtk; use Gtk;

with Gtk.Main;

with Gtk.Widget; use Gtk.Widget;

with Ada.Directories; use Ada.Directories;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

with Program\_Init; use Program\_Init;

with Template\_Main\_Init; use Template\_Main\_Init;

with Template\_General; use Template\_General;

with Template\_Languages; use Template\_Languages;

procedure Template is

begin

n\_ini := Use\_File("Template");

Lan :=Language'Value(Get\_Value(n\_ini, "Languages", "Lan",

Language'Image(GB\_USA)));

Cur\_Folder := To\_Unbounded\_String(Current\_Directory);

Inp\_Folder := To\_Unbounded\_String(Get\_Value(n\_ini, "Directory", "Input",

To\_String(Cur\_Folder)));

Out\_Folder := To\_Unbounded\_String(Get\_Value(n\_ini, "Directory", "Output",

To\_String(Inp\_Folder)));

Gtk.Main.Init;

Gtk\_New (Main\_Window);

Main\_Window.Show\_All;

Gtk.Main.Main;

end Template;

### Template\_Dialog\_CB

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.GEntry; use Gtk.GEntry;

with Template\_Dialog\_Init;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package body Template\_Dialog\_CB is

-----------------------------------------------------------------------------

-- Procedure On Dialog\_End used in the Destroy command

-----------------------------------------------------------------------------

procedure On\_Dialog\_End (Object : access Gtk\_Button\_Record'Class) is

pragma Unreferenced (Object);

begin

if Template\_Dialog\_Init.Dialog\_Open then

Template\_Dialog\_Init.Main\_Dialog.Hide;

Template\_Dialog\_Init.Dialog\_Open := false;

end if;

end On\_Dialog\_End;

-----------------------------------------------------------------------------

-- Procedure On\_Dialog\_Delete\_Event used in the Delete\_Event

-----------------------------------------------------------------------------

function On\_Dialog\_Delete\_Event (Object : access Gtk\_Dialog\_Record'Class;

Event : Gdk.Event.Gdk\_Event) return boolean is

pragma Unreferenced (Object);

begin

On\_Dialog\_End(null);

return true;

end On\_Dialog\_Delete\_Event;

-----------------------------------------------------------------------------

-- On OK is used to leave the dialog with handling something --

-----------------------------------------------------------------------------

procedure On\_OK(Object : access Gtk\_Button\_Record'Class) is

pragma Unreferenced (Object);

begin

--------------------------------------------------------------------------

-- --

-- Readout of the varius Parameters of the Dialog --

-- --

--------------------------------------------------------------------------

Template\_Dialog\_Init.mode := Template\_Dialog\_Init.Main\_Dialog.Check\_But.Get\_Active;

Template\_Dialog\_Init.mode\_Radio1 := Template\_Dialog\_Init.Main\_Dialog.Radio1\_But.Get\_Active;

Template\_Dialog\_Init.mode\_Radio2 := Template\_Dialog\_Init.Main\_Dialog.Radio2\_But.Get\_Active;

Template\_Dialog\_Init.mode\_Radio3 := Template\_Dialog\_Init.Main\_Dialog.Radio3\_But.Get\_Active;

Template\_Dialog\_Init.n\_ID := Get\_Active(Template\_Dialog\_Init.Main\_Dialog.Str\_Combo);

Template\_Dialog\_Init.last\_txt1 := To\_Unbounded\_String(Get\_Text(Template\_Dialog\_Init.Main\_Dialog.Str\_Line1));

Template\_Dialog\_Init.last\_txt2 := To\_Unbounded\_String(Get\_Text(Template\_Dialog\_Init.Main\_Dialog.Str\_Line2));

On\_Dialog\_End(null);

end On\_OK;

-----------------------------------------------------------------------------

-- On Cancel is used to leave the dialog without handling something --

-----------------------------------------------------------------------------

------------------------------------------------------------------

-- Change "Template\_Dialog\_CB" in the name of the package --

--------------------------------------------------------------------------------

end Template\_Dialog\_CB;

### Template\_Dialog\_Init

------------------------------------------------------------------------------

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------------------------------------------------------------------------------

pragma License(Unrestricted);

with Gtk.Enums; use Gtk.Enums;

with Gtk.Handlers; use Gtk.Handlers;

--------------------------------------------------------------------------------

-- Change "Template\_Dialog\_CB" in the name of the dialog --

--------------------------------------------------------------------------------

with Template\_Dialog\_CB; use Template\_Dialog\_CB;

--------------------------------------------------------------------------------

-- Change "Template\_General" in the name of the general package --

--------------------------------------------------------------------------------

with Template\_General; use Template\_General;

--------------------------------------------------------------------------------

-- Change "Template\_Dialog\_Init" in the name of the package --

--------------------------------------------------------------------------------

package body Template\_Dialog\_Init is

package Dialog\_CBR is new

Gtk.Handlers.Return\_Callback (Gtk\_Dialog\_Record, Boolean);

package Button is new

Gtk.Handlers.Callback (Gtk\_Button\_Record);

procedure Gtk\_New(MainDialog : out Win\_Dialog\_Access) is

begin

MainDialog := new Win\_Dialog\_Record;

--------------------------------------------------------------------------

-- Change "Template\_Dialog" in the name of the package --

--------------------------------------------------------------------------

Template\_Dialog\_Init.Init (MainDialog);

end Gtk\_New;

procedure Init(MainDialog : access Win\_Dialog\_Record'Class) is

pragma Suppress (All\_Checks);

Pixmaps\_Dir : constant String := "pixmaps/";

begin

Gtk.Dialog.Initialize (MainDialog);

--------------------------------------------------------------------------

-- Change "Template Dialog" in basic name for the Dialog Window --

-- If necessary delete the line

--------------------------------------------------------------------------

MainDialog.Set\_Title ("Template Dialog");

Set\_Position (MainDialog, Win\_Pos\_Center);

Set\_Modal (MainDialog, False);

Set\_Resizable (MainDialog, false);

Set\_Default\_Size (MainDialog, Dialogsize\_H, Dialogsize\_V);

if Set\_Icon\_From\_File(MainDialog, Icon\_Name) then

On\_Dialog\_End(null);

end if;

MainDialog.Dialog\_Box := Get\_Content\_Area(MainDialog);

Gtk\_New (MainDialog.Input\_Box, Orientation\_Vertical, 0);

---------------------------------------------------------------

-- First Input Box

---------------------------------------------------------------

Gtk\_New (MainDialog.Input\_Line1, Orientation\_Horizontal, 0);

Gtk\_New\_with\_Mnemonic (MainDialog.Label\_Line1, "First entry");

Gtk\_New (MainDialog.Str\_Line1);

Pack\_Start

(MainDialog.Input\_Line1,

MainDialog.Label\_Line1,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Line1,

MainDialog.Str\_Line1,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Box,

MainDialog.Input\_Line1,

Expand => True,

Fill => True,

Padding => 0);

---------------------------------------------------------------

-- Second Input Box

---------------------------------------------------------------

Gtk\_New (MainDialog.Input\_Line2, Orientation\_Horizontal, 0);

Gtk\_New\_with\_Mnemonic (MainDialog.Label\_Line2, "Second entry");

Gtk\_New (MainDialog.Str\_Line2);

Pack\_Start

(MainDialog.Input\_Line2,

MainDialog.Label\_Line2,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Line2,

MainDialog.Str\_Line2,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Box,

MainDialog.Input\_Line2,

Expand => True,

Fill => True,

Padding => 5);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Input\_Box,

Expand => True,

Fill => True,

Padding => 0);

---------------------------------------------------------------

-- Check Box

---------------------------------------------------------------

Gtk\_New (MainDialog.Label\_CH\_Box);

Gtk\_New (MainDialog.Input\_ChBut, Orientation\_Horizontal, 0);

Gtk\_New (MainDialog.Check\_But, "Check Box Entry");

Pack\_Start

(MainDialog.Input\_ChBut,

MainDialog.Check\_But,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_ChBut,

MainDialog.Label\_CH\_Box,

Expand => True,

Fill => True,

Padding => 5);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Input\_ChBut,

Expand => True,

Fill => True,

Padding => 0);

---------------------------------------------------------------

-- Combo Box

---------------------------------------------------------------

Gtk\_New\_with\_Mnemonic (MainDialog.Label\_Combo, "Combo\_box entry");

Gtk\_New (MainDialog.Str\_Combo);

Gtk\_New (MainDialog.Input\_Combo, Orientation\_Horizontal, 0);

Pack\_Start

(MainDialog.Input\_Combo,

MainDialog.Label\_Combo,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Combo,

MainDialog.Str\_Combo,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Input\_Combo,

Expand => True,

Fill => True,

Padding => 0);

---------------------------------------------------------------

-- Radio Button Box

---------------------------------------------------------------

-- Gtk\_New (MainDialog.Radio\_Group, "Radio Group");

Gtk\_New (MainDialog.Radio\_Grp, Orientation\_Vertical, 0);

Gtk\_New (MainDialog.Input\_Radio1, Orientation\_Horizontal, 0);

Gtk\_New (MainDialog.Input\_Radio2, Orientation\_Horizontal, 0);

Gtk\_New (MainDialog.Input\_Radio3, Orientation\_Horizontal, 0);

Gtk\_New (MainDialog.Radio1\_But, MainDialog.Radio1\_But, "Radio 1");

Gtk\_New (MainDialog.Radio2\_But, MainDialog.Radio1\_But, "Radio 2");

Gtk\_New (MainDialog.Radio3\_But, MainDialog.Radio1\_But, "Radio 3");

Pack\_Start

(MainDialog.Input\_Radio1,

MainDialog.Radio1\_But,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Radio\_Grp,

MainDialog.Input\_Radio1,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Radio2,

MainDialog.Radio2\_But,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Radio\_Grp,

MainDialog.Input\_Radio2,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Radio3,

MainDialog.Radio3\_But,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Radio\_Grp,

MainDialog.Input\_Radio3,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Radio\_Grp,

Expand => True,

Fill => True,

Padding => 0);

---------------------------------------------------------------

-- Buttons OK and Cancel Box

---------------------------------------------------------------

Gtk\_New (MainDialog.Button\_Box, Orientation\_Horizontal, 0);

Gtk\_New (MainDialog.OK, "OK");

Pack\_Start

(MainDialog.Button\_Box,

MainDialog.OK,

Expand => True,

Fill => True,

Padding => 2);

Gtk\_New (MainDialog.Cancel, "Cancel");

Pack\_Start

(MainDialog.Button\_Box,

MainDialog.Cancel,

Expand => True,

Fill => True,

Padding => 2);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Button\_Box,

Expand => True,

Fill => True,

Padding => 0);

---------------------------------------------------------------

-- Size

---------------------------------------------------------------

Set\_Size\_Request(MainDialog, Dialogsize\_H, Dialogsize\_V);

-------------------------------------------------------------

-- Connect signals

-------------------------------------------------------------

Dialog\_CBR.Connect(MainDialog, "delete\_event",

Dialog\_CBR.To\_Marshaller(On\_Dialog\_Delete\_Event'Access));

Button.Connect(MainDialog.OK, "clicked",

Button.To\_Marshaller(On\_OK'Access));

Button.Connect(MainDialog.Cancel, "clicked",

Button.To\_Marshaller(On\_Dialog\_End'Access));

end Init;

--------------------------------------------------------------------------------

-- Change "Template\_Dialog\_Init" in the name of the package --

--------------------------------------------------------------------------------

end Template\_Dialog\_Init;

### Template\_FC\_CB

------------------------------------------------------------------------------

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------------------------------------------------------------------------------

pragma License(Unrestricted);

with Gtk.File\_Chooser\_Dialog; use Gtk.File\_Chooser\_Dialog;

with Program\_Init; use Program\_Init;

with Template\_Main\_CB; use Template\_Main\_CB;

with Template\_FC\_Init; use Template\_FC\_Init;

with Template\_General; use Template\_General;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

Package body Template\_FC\_CB is

procedure On\_FC\_Open\_OK (Object : access Gtk\_Button\_Record'Class) is

begin

Inp\_Folder := To\_Unbounded\_String(Get\_Current\_Folder(File\_Open\_Dialog));

Set\_Value (n\_ini, "Directory", "Input", To\_String(Inp\_Folder));

File\_Open\_Dialog.Hide;

end On\_FC\_Open\_OK;

procedure On\_FC\_Save\_OK (Object : access Gtk\_Button\_Record'Class) is

begin

Out\_Folder := To\_Unbounded\_String(Get\_Current\_Folder(File\_Save\_Dialog));

Set\_Value (n\_ini, "Directory", "Output", To\_String(Out\_Folder));

File\_Save\_Dialog.Hide;

end On\_FC\_Save\_OK;

procedure On\_FC\_Dir\_OK (Object : access Gtk\_Button\_Record'Class) is

begin

Cur\_Folder := To\_Unbounded\_String(Get\_Current\_Folder(File\_Dir\_Dialog));

Set\_Value (n\_ini, "Directory", "Current", To\_String(Cur\_Folder));

File\_Dir\_Dialog.Hide;

end On\_FC\_Dir\_OK;

procedure On\_FC\_Cancel (Object : access Gtk\_Button\_Record'Class) is

begin

case File is

when Open => File\_Open\_Dialog.Hide;

when Save => File\_Save\_Dialog.Hide;

when Dir => File\_Dir\_Dialog.Hide;

end case;

end On\_FC\_Cancel;

end Template\_FC\_CB;

### Template\_FC\_Init

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Gtk.Handlers; use Gtk.Handlers;

with Template\_FC\_CB; use Template\_FC\_CB;

with Program\_Init; use Program\_Init;

with Template\_Dialog\_Init;

with Template\_General; use Template\_General;

with Template\_Languages; use Template\_Languages;

package body Template\_FC\_Init is

package Button is new

Gtk.Handlers.Callback (Gtk\_Button\_Record);

procedure Init\_Open is

b : boolean;

begin

Inp\_Folder := To\_Unbounded\_String(Get\_Value (n\_ini, "Directory", "Input",

To\_String(Inp\_folder)));

File\_Open\_Dialog := Gtk\_File\_Chooser\_Dialog\_New

(Open\_Title, Template\_Dialog\_Init.Main\_Dialog, Action\_Open);

b := Set\_Current\_Folder(File\_Open\_Dialog, To\_String(Inp\_folder));

Set\_Current\_Name(File\_Open\_Dialog,

To\_String(File\_Name) & "." & To\_String(Extension));

FC\_Open\_Cancel := Gtk\_Button(Add\_Button(Gtk\_Dialog(File\_Open\_Dialog),

To\_String(Lan\_Cancel(Lan)), Gtk\_Response\_Cancel));

FC\_Open\_OK := Gtk\_Button(Add\_Button(Gtk\_Dialog(File\_Open\_Dialog),

To\_String(Lan\_Open(Lan)), Gtk\_Response\_OK));

Button.Connect(FC\_Open\_OK, "clicked",

Button.To\_Marshaller(On\_FC\_Open\_OK'Access));

Button.Connect(FC\_Open\_Cancel, "clicked",

Button.To\_Marshaller(On\_FC\_Cancel'Access));

b := Set\_Current\_Folder(File\_Open\_Dialog, To\_String(Inp\_folder));

end Init\_Open;

procedure Init\_Save is

b : boolean;

begin

Out\_folder := To\_Unbounded\_String(Get\_Value (n\_ini, "Directory", "Output",

To\_String(Out\_folder)));

File\_Save\_Dialog := Gtk\_File\_Chooser\_Dialog\_New

(Save\_As\_Title, Template\_Dialog\_Init.Main\_Dialog, Action\_Save);

b := Set\_Current\_Folder(File\_Save\_Dialog, To\_String(Out\_folder));

Set\_Current\_Name(File\_Save\_Dialog,

To\_String(File\_Name) & "." & To\_String(Extension));

FC\_Save\_Cancel := Gtk\_Button(Add\_Button(Gtk\_Dialog(File\_Save\_Dialog),

To\_String(Lan\_Cancel(Lan)), Gtk\_Response\_Cancel));

FC\_Save\_OK := Gtk\_Button(Add\_Button(Gtk\_Dialog(File\_Save\_Dialog),

To\_String(Lan\_Save(Lan)), Gtk\_Response\_OK));

Button.Connect(FC\_Save\_OK, "clicked",

Button.To\_Marshaller(On\_FC\_Save\_OK'Access));

Button.Connect(FC\_Save\_Cancel, "clicked",

Button.To\_Marshaller(On\_FC\_Cancel'Access));

b := Set\_Current\_Folder(File\_Save\_Dialog, To\_String(Out\_folder));

end Init\_Save;

procedure Init\_Select\_Folder is

b : boolean;

begin

Cur\_folder := To\_Unbounded\_String(Get\_Value (n\_ini, "Directory", "Current",

To\_String(Cur\_folder)));

File\_Dir\_Dialog := Gtk\_File\_Chooser\_Dialog\_New

(Dir\_Title, Template\_Dialog\_Init.Main\_Dialog, Action\_Select\_Folder);

b := Set\_Current\_Folder(File\_Dir\_Dialog, To\_String(Cur\_folder));

FC\_Dir\_Cancel := Gtk\_Button(Add\_Button(Gtk\_Dialog(File\_Dir\_Dialog),

To\_String(Lan\_Cancel(Lan)), Gtk\_Response\_Cancel));

FC\_Dir\_OK := Gtk\_Button(Add\_Button(Gtk\_Dialog(File\_Dir\_Dialog),

To\_String(Lan\_Set(Lan)), Gtk\_Response\_OK));

Button.Connect(FC\_Dir\_OK, "clicked",

Button.To\_Marshaller(On\_FC\_Dir\_OK'Access));

Button.Connect(FC\_Dir\_Cancel, "clicked",

Button.To\_Marshaller(On\_FC\_Cancel'Access));

b := Set\_Current\_Folder(File\_Dir\_Dialog, To\_String(Cur\_folder));

end Init\_Select\_Folder;

end Template\_FC\_Init;

### 

### Template\_Languages

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Gtk.Window; use Gtk.Window;

with Gtk.Menu\_Item; use Gtk.Menu\_Item;

with Gtk.Dialog; use Gtk.Dialog;

with Gtk.Button; use Gtk.Button;

with Template\_Main\_Init; use Template\_Main\_Init;

with Template\_Dialog\_Init;

with Template\_FC\_Init; use Template\_FC\_Init;

with Template\_Languages\_Dialog\_Init; use Template\_Languages\_Dialog\_Init;

with Template\_Languages\_Dialog\_CB; use Template\_Languages\_Dialog\_CB;

package body Template\_Languages is

procedure Reload\_Language(l : Language) is

n : Integer := 0;

b : boolean := false;

begin

while not b and n < nr\_languages loop

b := Ch\_Languages(n) = l;

n := n + 1;

end loop;

if not b then

raise Constraint\_Error;

else

Lan := l;

end if;

-- Titles

Main\_Window.Set\_Title(To\_String(Lan\_Window\_Title(Lan)));

Template\_Dialog\_Init.Main\_Dialog.Set\_Title (To\_String(Lan\_Dialog\_Title(Lan)));

-- Menu Items

Main\_Window.File.Set\_Label(To\_String(Lan\_File(Lan)));

Main\_Window.New\_Project.Set\_Label(To\_String(Lan\_New(Lan)));

Main\_Window.Open.Set\_Label(To\_String(Lan\_Open(Lan)));

Main\_Window.Save.Set\_Label(To\_String(Lan\_Save(Lan)));

Main\_Window.Save\_As.Set\_Label(To\_String(Lan\_Save\_As(Lan)));

Main\_Window.Print.Set\_Label(To\_String(Lan\_Print(Lan)));

Main\_Window.Print\_Options.Set\_Label(To\_String(Lan\_Print\_Option(Lan)));

Main\_Window.Properties.Set\_Label(To\_String(Lan\_Properties(Lan)));

Main\_Window.Languages.Set\_Label(To\_String(Lan\_Language(Lan)));

Main\_Window.Quit.Set\_Label(To\_String(Lan\_Quit(Lan)));

Main\_Window.Edit.Set\_Label(To\_String(Lan\_Edit(Lan)));

Main\_Window.Cut.Set\_Label(To\_String(Lan\_Cut(Lan)));

Main\_Window.Copy.Set\_Label(To\_String(Lan\_Copy(Lan)));

Main\_Window.Paste.Set\_Label(To\_String(Lan\_Paste(Lan)));

Main\_Window.Delete.Set\_Label(To\_String(Lan\_Delete(Lan)));

Main\_Window.View.Set\_Label(To\_String(Lan\_View(Lan)));

Main\_Window.Help.Set\_Label(To\_String(Lan\_Help(Lan)));

Main\_Window.About.Set\_Label(To\_String(Lan\_About(Lan)));

-- Buttons

-- Filechooser dialogs

FC\_Open\_OK.Set\_Label(To\_String(Lan\_Open(Lan)));

FC\_Open\_Cancel.Set\_Label(To\_String(Lan\_Cancel(Lan)));

FC\_Save\_OK.Set\_Label(To\_String(Lan\_Save(Lan)));

FC\_Save\_Cancel.Set\_Label(To\_String(Lan\_Cancel(Lan)));

FC\_Dir\_OK.Set\_Label(To\_String(Lan\_Set(Lan)));

FC\_Dir\_Cancel.Set\_Label(To\_String(Lan\_Cancel(Lan)));

-- Template\_Main Dialog

Template\_Dialog\_Init.Main\_Dialog.OK.Set\_Label(To\_String(Lan\_OK(Lan)));

Template\_Dialog\_Init.Main\_Dialog.Cancel.Set\_Label(To\_String(Lan\_Cancel(Lan)));

-- Language Dialog

Lan\_Dialog.OK.Set\_Label(To\_String(Lan\_OK(Lan)));

Lan\_Dialog.Cancel.Set\_Label(To\_String(Lan\_Cancel(Lan)));

Lan\_Dialog.Combo\_Label.Set\_Label(To\_String(Lan\_Language(Lan)));

end Reload\_Language;

end Template\_Languages;

### Template\_Languages\_Dialog\_CB

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Gtk.Combo\_Box\_Text; use Gtk.Combo\_Box\_Text;

with Template\_Languages; use Template\_Languages;

with Template\_Languages\_Dialog\_Init; use Template\_Languages\_Dialog\_Init;

with Program\_Init; use Program\_Init;

with Template\_General; use Template\_General;

package body Template\_Languages\_Dialog\_CB is

-----------------------------------------------------------------------------

-- Procedure On Lan\_Set used in the Destroy command

-----------------------------------------------------------------------------

procedure On\_Lan\_Set (Object : access Gtk\_Button\_Record'Class) is

pragma Unreferenced (Object);

begin

Lan\_ID := Get\_Active(Lan\_Dialog.Combo\_Inp);

Lan := Ch\_Languages(integer(Lan\_ID));

On\_Lan\_End(null);

Set\_Value(n\_ini, "Languages", "Lan", Language'Image(Lan));

Reload\_Language(Lan);

end On\_Lan\_Set;

-----------------------------------------------------------------------------

-- Procedure On Lan\_End used in the Destroy command

-----------------------------------------------------------------------------

procedure On\_Lan\_End (Object : access Gtk\_Button\_Record'Class) is

pragma Unreferenced (Object);

begin

if Lan\_Dialog /= null then

Lan\_Dialog.Hide;

end if;

end On\_Lan\_End;

-----------------------------------------------------------------------------

-- Procedure On\_Dialog\_Delete\_Event used in the Delete\_Event

-----------------------------------------------------------------------------

function On\_Dialog\_Delete\_Event (Object : access Gtk\_Dialog\_Record'Class;

Event : Gdk.Event.Gdk\_Event) return boolean is

pragma Unreferenced (Object);

begin

On\_Lan\_End(null);

return true;

end On\_Dialog\_Delete\_Event;

end Template\_Languages\_Dialog\_CB;

### Template\_Languages\_Dialog\_Init

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.Enums; use Gtk.Enums;

with Gtk.Handlers; use Gtk.Handlers;

with Template\_General; use Template\_General;

with Template\_Languages; use Template\_Languages;

with Template\_Languages\_Dialog\_CB; use Template\_Languages\_Dialog\_CB;

package body Template\_Languages\_Dialog\_Init is

package Dialog\_CBR is new

Gtk.Handlers.Return\_Callback (Gtk\_Dialog\_Record, Boolean);

package Button is new

Gtk.Handlers.Callback (Gtk\_Button\_Record);

procedure Gtk\_New(LanDialog : out Lan\_Dialog\_Access) is

begin

LanDialog := new Lan\_Dialog\_Record;

Template\_Languages\_Dialog\_Init.Init (LanDialog);

end Gtk\_New;

procedure Init(LanDialog : access Lan\_Dialog\_Record'Class) is

pragma Suppress (All\_Checks);

Pixmaps\_Dir : constant String := "pixmaps/";

str : Unbounded\_String;

begin

--------------------------------------------------------------------------

-- --

-- Creation of the Dialog Window --

-- --

--------------------------------------------------------------------------

Gtk.Dialog.Initialize (LanDialog);

LanDialog.Set\_Title (To\_String(Lan\_Dialog\_Title(Lan)));

Set\_Position (LanDialog, Win\_Pos\_Center);

Set\_Modal (LanDialog, true);

Set\_Resizable (LanDialog, false);

Set\_Default\_Size (LanDialog, Dialogsize\_H, Dialogsize\_V);

if Set\_Icon\_From\_File(LanDialog, Icon\_Name) then

On\_Lan\_End(null);

end if;

--------------------------------------------------------------------------

-- --

-- Creation of the Basic Box --

-- --

--------------------------------------------------------------------------

LanDialog.Dialog\_Box := Get\_Content\_Area(LanDialog);

Gtk\_New (LanDialog.Input\_Box, Orientation\_Vertical, 0);

--------------------------------------------------------------------------

-- --

-- Creation of the Box for the Combobox with label --

-- --

--------------------------------------------------------------------------

Gtk\_New (LanDialog.Combo\_Box, Orientation\_Horizontal, 0);

--------------------------------------------------------------------------

-- --

-- Creation of the Label and Packing it in the Input Box --

-- --

--------------------------------------------------------------------------

Gtk\_New\_with\_Mnemonic (LanDialog.Combo\_Label, To\_String(Lan\_Language(Lan)));

Pack\_Start

(LanDialog.Combo\_Box,

LanDialog.Combo\_Label,

Expand => True,

Fill => True,

Padding => 0);

--------------------------------------------------------------------------

-- --

-- Creation of the Combobox and packing it --

-- --

--------------------------------------------------------------------------

Gtk\_New (LanDialog.Combo\_Inp);

Pack\_Start

(LanDialog.Combo\_Box,

LanDialog.Combo\_Inp,

Expand => True,

Fill => True,

Padding => 0);

--------------------------------------------------------------------------

-- --

-- Packing both in the Input box --

-- --

--------------------------------------------------------------------------

Pack\_Start

(LanDialog.Input\_Box,

LanDialog.Combo\_Box,

Expand => True,

Fill => True,

Padding => 5);

--------------------------------------------------------------------------

-- --

-- Packing the Mainbox in the inputbox --

-- --

--------------------------------------------------------------------------

Pack\_Start

(LanDialog.Dialog\_Box,

LanDialog.Input\_Box,

Expand => True,

Fill => True,

Padding => 0);

--------------------------------------------------------------------------

-- --

-- Creation of the Button Box --

-- --

--------------------------------------------------------------------------

Gtk\_New (LanDialog.Button\_Box, Orientation\_Horizontal, 0);

--------------------------------------------------------------------------

-- --

-- Creation of the Cancel Button --

-- --

--------------------------------------------------------------------------

Gtk\_New (LanDialog.Cancel, To\_String(Lan\_Cancel(Lan)));

--------------------------------------------------------------------------

-- --

-- Packing the Cancel Button in the Button Box --

-- --

--------------------------------------------------------------------------

Pack\_Start

(LanDialog.Button\_Box,

LanDialog.Cancel,

Expand => True,

Fill => True,

Padding => 2);

--------------------------------------------------------------------------

-- --

-- Creation of the OK Button --

-- --

--------------------------------------------------------------------------

Gtk\_New (LanDialog.OK, To\_String(Lan\_OK(Lan)));

--------------------------------------------------------------------------

-- --

-- Packing the OK Button in the Button Box --

-- --

--------------------------------------------------------------------------

Pack\_Start

(LanDialog.Button\_Box,

LanDialog.OK,

Expand => True,

Fill => True,

Padding => 2);

--------------------------------------------------------------------------

-- --

-- Packing the Button Box in the Main Box --

-- --

--------------------------------------------------------------------------

Pack\_Start

(LanDialog.Dialog\_Box,

LanDialog.Button\_Box,

Expand => True,

Fill => True,

Padding => 0);

--------------------------------------------------------------------------

-- --

-- Set a Size Request --

-- --

--------------------------------------------------------------------------

Set\_Size\_Request(LanDialog, Dialogsize\_H, Dialogsize\_V);

--------------------------------------------------------------------------

-- --

-- Set the Signal events --

-- --

--------------------------------------------------------------------------

Dialog\_CBR.Connect(LanDialog, "delete\_event",

Dialog\_CBR.To\_Marshaller(On\_Dialog\_Delete\_Event'Access));

Button.Connect(LanDialog.OK, "clicked",

Button.To\_Marshaller(On\_Lan\_Set'Access));

Button.Connect(LanDialog.Cancel, "clicked",

Button.To\_Marshaller(On\_Lan\_End'Access));

--------------------------------------------------------------------------

-- --

-- Set All necessary Languages in the Combobox --

-- --

--------------------------------------------------------------------------

for n in 0 .. nr\_languages - 1 loop

str := Language\_Names(CH\_Languages(n));

Append\_Text(LanDialog.Combo\_Inp, To\_String(str));

end loop;

end Init;

end Template\_Languages\_Dialog\_Init;

### Template\_Main\_CB

------------------------------------------------------------------------------

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pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.Main;

with Gtk.Tree\_Model;

with Gtk.GEntry; use Gtk.GEntry;

with Gtk.Combo\_Box\_Text; use Gtk.Combo\_Box\_Text;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

-- If no Init Files are used then this call can be deleted

with Program\_Init; use Program\_Init;

-- With statements for Dialogs

with Template\_Dialog\_Init;

with Template\_FC\_Init; use Template\_FC\_Init;

with Template\_Languages; use Template\_Languages;

with Template\_Languages\_Dialog\_Init; use Template\_Languages\_Dialog\_Init;

package body Template\_Main\_CB is

-----------------------------------------------------------------------------

-- Internal procedure End\_Program used in the Quit and Exit commands

-----------------------------------------------------------------------------

procedure End\_Program is

begin

Close\_Ini;

Gtk.Main.Main\_Quit;

end End\_Program;

-----------------------------------------------------------------------------

-- Internal procedure Stop ile chooser Buttons

-----------------------------------------------------------------------------

procedure Stop\_File\_Chooser is

begin

Close\_Ini;

Gtk.Main.Main\_Quit;

end Stop\_File\_Chooser;

-----------------------------------------------------------------------------

-- Procedure On Window\_Destroy used in the Destroy command

-----------------------------------------------------------------------------

procedure On\_Window\_Destroy (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

-- At this point the ini files must be closed. All ini files are updated

-- and closed with one call to Close\_IIni

-- If no Init Files are used then this call can be deleted

End\_Program;

end On\_Window\_Destroy;

-----------------------------------------------------------------------------

-- Procedure On Window\_Delete\_Event used in the Delete\_Event

-----------------------------------------------------------------------------

function On\_Window\_Delete\_Event (Object : access Gtk\_Window\_Record'Class;

Event : Gdk.Event.Gdk\_Event) return boolean is

pragma Unreferenced (Object);

begin

End\_Program;

return true;

end On\_Window\_Delete\_Event;

-----------------------------------------------------------------------------

-- Procedure On\_New used in the File New command

-----------------------------------------------------------------------------

procedure On\_New (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

first\_file := true;

File\_Name := To\_Unbounded\_String(Default\_Name);

end On\_New;

-----------------------------------------------------------------------------

-- Procedure On\_Open used in the File Open command

-----------------------------------------------------------------------------

procedure On\_Open (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

File := Open;

First\_file := false;

File\_Open\_Dialog.Show\_All;

end On\_Open;

-----------------------------------------------------------------------------

-- Procedure Write\_File which writes the file in both Save and Save As cases

-----------------------------------------------------------------------------

procedure Write\_File is

begin

-- if Response = Gtk\_Response\_OK then

-- File\_Name := To\_Unbounded\_String(Get\_Current\_Folder(File\_Dialog));

-- Open the file, write it and close it

First\_file := false;

-- end if;

end Write\_File;

-----------------------------------------------------------------------------

-- Procedure On\_Save used in the File Save command

-----------------------------------------------------------------------------

procedure On\_Save (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

if first\_file then

On\_Save\_As(null);

else

File := Save;

Write\_File;

end if;

end On\_Save;

-----------------------------------------------------------------------------

-- Procedure On\_Save\_As used in the File Save As command

-----------------------------------------------------------------------------

procedure On\_Save\_As (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

File := Save;

File\_Save\_Dialog.Show\_All;

Write\_File;

end On\_Save\_As;

-----------------------------------------------------------------------------

-- Procedure On\_Print used in the File Print command

-----------------------------------------------------------------------------

procedure On\_Print (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Print;

-----------------------------------------------------------------------------

-- Procedure On\_Print\_Options used in the File Print Options command

-----------------------------------------------------------------------------

procedure On\_Print\_Options (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Print\_Options;

-----------------------------------------------------------------------------

-- Procedure On\_Properties used in the File Properties command

-----------------------------------------------------------------------------

procedure On\_Properties (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Properties;

-----------------------------------------------------------------------------

-- Procedure On\_Languages used in the File Languages command

-----------------------------------------------------------------------------

procedure On\_Languages (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

Set\_Active(Lan\_Dialog.Combo\_Inp, Lan\_ID);

Lan\_Dialog.Show\_All;

end On\_Languages;

-----------------------------------------------------------------------------

-- Procedure On\_Cut used in the Edit Cut command

-----------------------------------------------------------------------------

procedure On\_Cut (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Cut;

-----------------------------------------------------------------------------

-- Procedure On\_Copy used in the Edit Copy command

-----------------------------------------------------------------------------

procedure On\_Copy (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Copy;

-----------------------------------------------------------------------------

-- Procedure On\_Paste used in the Edit Paste command

-----------------------------------------------------------------------------

procedure On\_Paste (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Paste;

-----------------------------------------------------------------------------

-- Procedure On\_Delete used in the Edit Delete command

-----------------------------------------------------------------------------

procedure On\_Delete (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_Delete;

-----------------------------------------------------------------------------

-- --

-- At this position the various user callback routines will be posiyionned --

-- --

-----------------------------------------------------------------------------

-----------------------------------------------------------------------------

-- Procedure On\_Test used in the Template Test command

-- This routine will be replaced by various others

-----------------------------------------------------------------------------

procedure On\_Test (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

n : integer := 0;

str : Unbounded\_String;

begin

Template\_Dialog\_Init.Dialog\_Open := true;

Set\_Text(Template\_Dialog\_Init.Main\_Dialog.Str\_Entry,

To\_String(Template\_Dialog\_Init.last\_txt));

Template\_Dialog\_Init.Main\_Dialog.Check\_But.Set\_active(Template\_Dialog\_Init.mode);

Template\_Dialog\_Init.Main\_Dialog.Radio1\_But.Set\_Active(Template\_Dialog\_Init.mode\_Radio1);

Template\_Dialog\_Init.Main\_Dialog.Radio2\_But.Set\_Active(Template\_Dialog\_Init.mode\_Radio2);

Template\_Dialog\_Init.Main\_Dialog.Radio3\_But.Set\_Active(Template\_Dialog\_Init.mode\_Radio3);

--------------------------------------------------------------------------

-- Example of filling a combobox --

--------------------------------------------------------------------------

Remove\_All(Template\_Dialog\_Init.Main\_Dialog.Str\_Combo);

while n < 10 loop

str := To\_Unbounded\_String(integer'Image(n));

Append\_Text(Template\_Dialog\_Init.Main\_Dialog.Str\_Combo,

To\_String(str));

n := n + 1;

end loop;

Set\_Active(Template\_Dialog\_Init.Main\_Dialog.Str\_Combo,

Template\_Dialog\_Init.n\_ID);

Template\_Dialog\_Init.Main\_Dialog.Show\_All;

end On\_Test;

-----------------------------------------------------------------------------

-- Procedure On\_About used in the Help About command

-----------------------------------------------------------------------------

procedure On\_About (Object : access Gtk\_Menu\_Item\_Record'Class) is

pragma Unreferenced (Object);

begin

null;

end On\_About;

end Template\_Main\_CB;

### Template\_Main\_Init

------------------------------------------------------------------------------

-- --

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-- --

------------------------------------------------------------------------------

-- Version 1.00 dd. 17-08-2019 created by L. Dries --

------------------------------------------------------------------------------

-- Created from Template V1.00 by L. Dries on 01-06-2019 --

------------------------------------------------------------------------------

pragma License(Unrestricted);

with Gdk.Types; use Gdk.Types;

with Gtk.Widget; use Gtk.Widget;

with Gtk.Enums; use Gtk.Enums;

with Gtk.Handlers; use Gtk.Handlers;

With Gtk.Marshallers; use Gtk.Marshallers;

with Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

-- With statements for Dialogs

with Template\_Dialog\_Init;

with Template\_FC\_Init; use Template\_FC\_Init;

with Template\_Main\_CB; use Template\_Main\_CB;

with Template\_General; use Template\_General;

with Template\_FC\_Init; use Template\_FC\_Init;

with Template\_Languages; use Template\_Languages;

with Template\_Languages\_Dialog\_Init; use Template\_Languages\_Dialog\_Init;

package body Template\_Main\_Init is

package Windows\_CBR is new

Gtk.Handlers.Return\_Callback (GTk\_Window\_Record, Boolean);

procedure Gtk\_New(MainWindow : out Main\_Window\_Access) is

begin

MainWindow := new Main\_Window\_Record;

Template\_Main\_Init.Init (MainWindow);

end Gtk\_New;

procedure Init(MainWindow : access Main\_Window\_Record'Class) is

pragma Suppress (All\_Checks);

Pixmaps\_Dir : constant String := "pixmaps/";

begin

Gtk.Window.Initialize (MainWindow, Window\_Toplevel);

MainWindow.Set\_Title (To\_String(Lan\_Window\_Title(Lan)));

Set\_Position (MainWindow, Win\_Pos\_Center);

Set\_Modal (MainWindow, False);

Set\_Resizable (MainWindow, True);

Set\_Default\_Size (MainWindow, Mainsize\_H, Mainsize\_V);

if Set\_Icon\_From\_File(MainWindow, Icon\_Name) then

On\_Window\_Destroy(null);

end if;

Gtk\_New (MainWindow.Main\_Box1, Orientation\_Vertical, 0);

-- Build the Menu bar

Gtk\_New (MainWindow.Main\_Bar);

-- Place the File Menu

Gtk\_New\_With\_Mnemonic (MainWindow.File, To\_String(Lan\_File(Lan)));

Gtk\_New (MainWindow.File\_Menu);

Gtk\_New (MainWindow.New\_Project, To\_String(Lan\_New(Lan)));

Append (MainWindow.File\_Menu, MainWindow.New\_Project);

Gtk\_New (MainWindow.Open, To\_String(Lan\_Open(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Open);

Gtk\_New (MainWindow.Save, To\_String(Lan\_Save(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Save);

Gtk\_New (MainWindow.Save\_As, To\_String(Lan\_Save\_As(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Save\_As);

Gtk\_New (MainWindow.Separator1);

Append (MainWindow.File\_Menu, MainWindow.Separator1);

Gtk\_New (MainWindow.Print, To\_String(Lan\_Print(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Print);

Gtk\_New\_With\_Mnemonic (MainWindow.Print\_Options, To\_String(Lan\_Print\_Option(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Print\_Options);

Gtk\_New (MainWindow.Separator2);

Append (MainWindow.File\_Menu, MainWindow.Separator2);

Gtk\_New (MainWindow.Properties, To\_String(Lan\_Properties(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Properties);

Gtk\_New (MainWindow.Languages, To\_String(Lan\_Language(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Languages);

Gtk\_New (MainWindow.Separator1);

Append (MainWindow.File\_Menu, MainWindow.Separator1);

Gtk\_New (MainWindow.Quit, To\_String(Lan\_Quit(Lan)));

Append (MainWindow.File\_Menu, MainWindow.Quit);

Set\_Submenu (MainWindow.File, MainWindow.File\_Menu);

Append (MainWindow.Main\_Bar, MainWindow.File);

-- Place the Edit Menu

Gtk\_New\_With\_Mnemonic (MainWindow.Edit, To\_String(Lan\_Edit(Lan)));

Gtk\_New (MainWindow.Edit\_Menu);

Gtk\_New (MainWindow.Cut, To\_String(Lan\_Cut(Lan)));

Append (MainWindow.Edit\_Menu, MainWindow.Cut);

Gtk\_New (MainWindow.Copy, To\_String(Lan\_Copy(Lan)));

Append (MainWindow.Edit\_Menu, MainWindow.Copy);

Gtk\_New (MainWindow.Paste, To\_String(Lan\_Paste(Lan)));

Append (MainWindow.Edit\_Menu, MainWindow.Paste);

Gtk\_New (MainWindow.Delete, To\_String(Lan\_Delete(Lan)));

Append (MainWindow.Edit\_Menu, MainWindow.Delete);

Set\_Submenu (MainWindow.Edit, MainWindow.Edit\_Menu);

Append (MainWindow.Main\_Bar, MainWindow.Edit);

--------------------------------------------------------------------------

-- This menu item should be completly changes because program specific --

-- items will be directed from here. This means that more or less --

-- main menitems and sub menu items are possible --

--------------------------------------------------------------------------

-- Place the Test\_Dialog Menu

Gtk\_New\_With\_Mnemonic (MainWindow.Template, "\_Template");

Gtk\_New (MainWindow.Template\_Menu);

Gtk\_New (MainWindow.Test, "Test");

Append (MainWindow.Template\_Menu, MainWindow.Test);

Set\_Submenu (MainWindow.Template, MainWindow.Template\_Menu);

Append (MainWindow.Main\_Bar, MainWindow.Template);

-- Place the View Menu

Gtk\_New\_With\_Mnemonic (MainWindow.View, To\_String(Lan\_View(Lan)));

Append (MainWindow.Main\_Bar, MainWindow.View);

-- Place the Help Menu

Gtk\_New\_With\_Mnemonic (MainWindow.Help, To\_String(Lan\_Help(Lan)));

Gtk\_New (MainWindow.Help\_Menu);

Gtk\_New\_With\_Mnemonic (MainWindow.About, To\_String(Lan\_About(Lan)));

Append (MainWindow.Help\_Menu, MainWindow.About);

Set\_Submenu (MainWindow.Help, MainWindow.Help\_Menu);

Append (MainWindow.Main\_Bar, MainWindow.Help);

Pack\_Start

(MainWindow.Main\_Box1,

MainWindow.Main\_Bar,

Expand => False,

Fill => False,

Padding => 0);

Gtk\_New (MainWindow.Scrolledwindow);

Set\_Policy (MainWindow.Scrolledwindow, Policy\_Always, Policy\_Always);

Set\_Shadow\_Type (MainWindow.Scrolledwindow, Shadow\_None);

Set\_Placement (MainWindow.Scrolledwindow, Corner\_Top\_Left);

Gtk\_New (MainWindow.Textview);

Set\_Editable (MainWindow.Textview, True);

Set\_Justification (MainWindow.Textview, Justify\_Left);

Set\_Wrap\_Mode (MainWindow.Textview, Wrap\_None);

Set\_Cursor\_Visible (MainWindow.Textview, True);

Set\_Pixels\_Above\_Lines (MainWindow.Textview, 0);

Set\_Pixels\_Below\_Lines (MainWindow.Textview, 0);

Set\_Pixels\_Inside\_Wrap (MainWindow.Textview, 0);

Set\_Left\_Margin (MainWindow.Textview, 0);

Set\_Right\_Margin (MainWindow.Textview, 0);

Set\_Indent (MainWindow.Textview, 0);

declare

Iter : Gtk\_Text\_Iter;

begin

Get\_Iter\_At\_Line (Get\_Buffer (MainWindow.Textview), Iter, 0);

Insert (Get\_Buffer (MainWindow.Textview), Iter, "");

end;

Add (MainWindow.Scrolledwindow, MainWindow.Textview);

Pack\_Start

(MainWindow.Main\_Box1,

MainWindow.Scrolledwindow,

Expand => True,

Fill => True,

Padding => 0);

Gtk\_New (MainWindow.Statusbar);

Pack\_Start

(MainWindow.Main\_Box1,

MainWindow.Statusbar,

Expand => False,

Fill => False,

Padding => 0);

Add (MainWindow, MainWindow.Main\_Box1);

Set\_Size\_Request (MainWindow, Mainsize\_H, Mainsize\_V );

Grab\_Default (MainWindow);

-- Connect signals

Windows\_CBR.Connect

(MainWindow, "delete\_event",

Windows\_CBR.To\_Marshaller(On\_Window\_Delete\_Event'Access));

On\_Activate(MainWindow.New\_Project, On\_New'Access);

Activate(MainWindow.Open);

On\_Activate(MainWindow.Open, On\_Open'Access);

Activate(MainWindow.Save);

On\_Activate(MainWindow.Save, On\_Save'Access);

Activate(MainWindow.Save\_As);

On\_Activate(MainWindow.Save\_As, On\_Save\_As'Access);

Activate(MainWindow.Print);

On\_Activate(MainWindow.Print, On\_Print'Access);

Activate(MainWindow.Print\_Options);

On\_Activate(MainWindow.Print\_Options, On\_Print\_Options'Access);

Activate(MainWindow.Properties);

On\_Activate(MainWindow.Properties, On\_Properties'Access);

Activate(MainWindow.Languages);

On\_Activate(MainWindow.Languages, On\_Languages'Access);

Activate(MainWindow.Quit);

On\_Activate(MainWindow.Quit, On\_Window\_Destroy'Access);

Activate(MainWindow.Cut);

On\_Activate(MainWindow.Cut, On\_Cut'Access);

Activate(MainWindow.Copy);

On\_Activate(MainWindow.Copy, On\_Copy'Access);

Activate(MainWindow.Paste);

On\_Activate(MainWindow.Paste, On\_Paste'Access);

Activate(MainWindow.Delete);

On\_Activate(MainWindow.Delete, On\_Delete'Access);

-- Activate user program menuitems

Activate(MainWindow.Test);

On\_Activate(MainWindow.Test, On\_Test'Access);

-- End Activate user program menuitems

Activate(MainWindow.About);

On\_Activate(MainWindow.About, On\_About'Access);

-- Initiation of Dialogs

--------------------------------------------------------------------------

-- Change "Template\_Dialog" in the name of the dialog --

-- If necesary enter more dialogs or remove this statement --

--------------------------------------------------------------------------

Gtk\_New (Template\_Dialog\_Init.Main\_Dialog);

Init\_Open;

Init\_Save;

Init\_Select\_Folder;

Gtk\_New (Template\_Languages\_Dialog\_Init.Lan\_Dialog);

--------------------------------------------------------------------------

-- Other initiation staments

--------------------------------------------------------------------------

File\_Name := To\_Unbounded\_String(Default\_Name);

end Init;

end Template\_Main\_Init;