Report concerning:

**CR Project Program**

By

**L. Dries**

dd. **24-08-2019**

Version: 1.00 Original version 24-08-2019 L. Dries

CR_Project.ico

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# Introduction

When starting a new project using a Gtk GUI it always takes a lot of work to make a basic design of the program. The program Cr\_Project eases this design trajectory by using an amount of template files, see also the document about the Template program and convert them into another directory to files with another name. Internally that other name will also be altered. In that program also a set files is inserted that create a General Dialog that exists of two text entries, a checkbox, a combo box and a radio group consisting of three radio buttons. The dialog can also be converted alone.

# Program structure

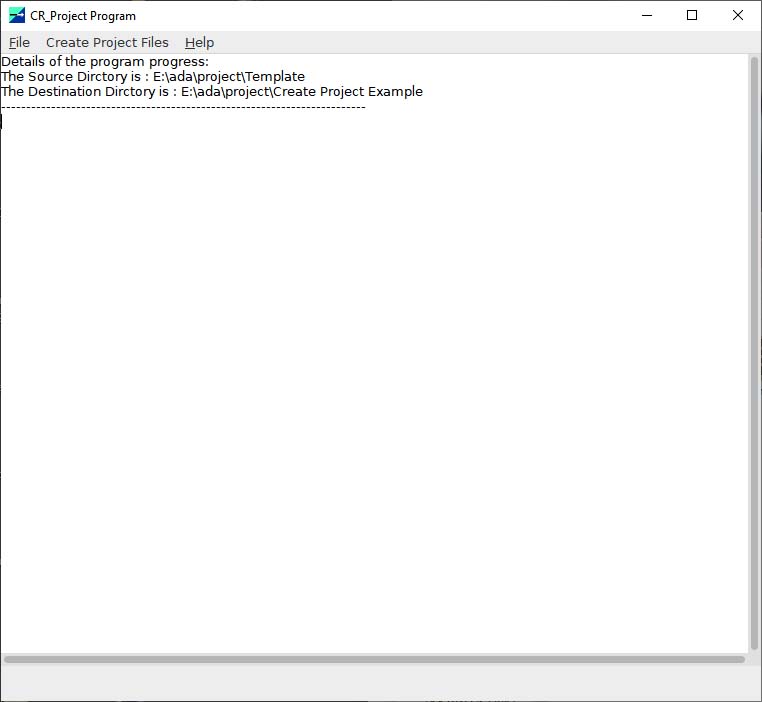
The program consist of the following packages:

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

# Use of the program

## Running

After starting the program the following Screen is shown:

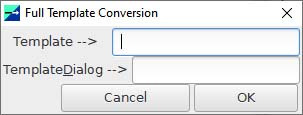


When started the top of the screen shows the source and the destination directory. These can be altered by using the menu file/open for the source and file/save for the destination directory.

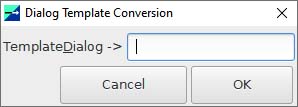
Using the “Create Project Files” the menu shows two possibilities:

1. Complete Project
2. Dialog Only

These two show slightly different dialogs



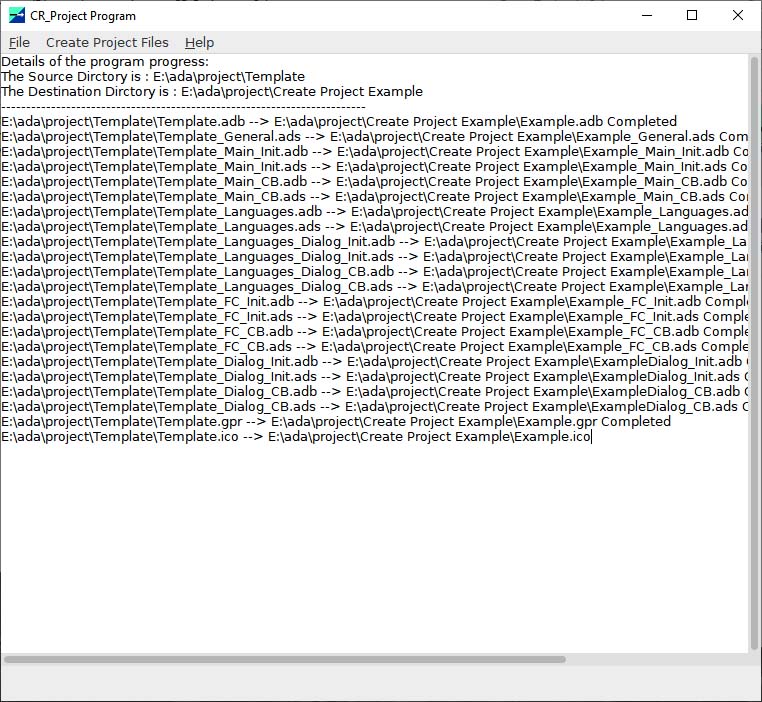
for the Complete project and



for the dialog only. In the first case you enter the name of your project after Template 🡪

and in both cases you enter the name of the dialog after TemplateDialog 🡪

The conversion will take place and in the main screen it will be shown as follows



## The Project File

After the conversion of the files to get all files with the correct names inside, the project file has to be manually edited to make sure that all files or directories inside are pointing to the correct positions, because that are the only things that the Create Project Program cannot know beforehand. Here after it is possible to run the GNAT Programming System for this project.

It is also possible to change de .grp file in the template then you always get the correct project file.

# Listings

## Project file

with "gtkada";

project CR\_Project 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 ("CR\_Project.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 CR\_Project;

## Specifications

### CR\_Project\_Convert

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

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

-- Created from Template V1.00 by L. Dries on 19-07-2016 --

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

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

package CR\_Project\_Convert is

n\_files : constant integer := 22;

Files : constant array (1 .. n\_files) of Unbounded\_String :=

(To\_Unbounded\_String("Template.adb"),

To\_Unbounded\_String("Template\_General.ads"),

To\_Unbounded\_String("Template\_Main\_Init.adb"),

To\_Unbounded\_String("Template\_Main\_Init.ads"),

To\_Unbounded\_String("Template\_Main\_CB.adb"),

To\_Unbounded\_String("Template\_Main\_CB.ads"),

To\_Unbounded\_String("Template\_Languages.adb"),

To\_Unbounded\_String("Template\_Languages.ads"),

To\_Unbounded\_String("Template\_Languages\_Dialog\_Init.adb"),

To\_Unbounded\_String("Template\_Languages\_Dialog\_Init.ads"),

To\_Unbounded\_String("Template\_Languages\_Dialog\_CB.adb"),

To\_Unbounded\_String("Template\_Languages\_Dialog\_CB.ads"),

To\_Unbounded\_String("Template\_FC\_Init.adb"),

To\_Unbounded\_String("Template\_FC\_Init.ads"),

To\_Unbounded\_String("Template\_FC\_CB.adb"),

To\_Unbounded\_String("Template\_FC\_CB.ads"),

To\_Unbounded\_String("Template\_Dialog\_Init.adb"),

To\_Unbounded\_String("Template\_Dialog\_Init.ads"),

To\_Unbounded\_String("Template\_Dialog\_CB.adb"),

To\_Unbounded\_String("Template\_Dialog\_CB.ads"),

To\_Unbounded\_String("Template.gpr"),

To\_Unbounded\_String("Template.ico"));

strD : constant String := "Template\_Dialog";

strT : constant String := "Template";

procedure Conversion;

end CR\_Project\_Convert;

### CR\_Project\_DNames\_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 CR\_Project\_DNames\_CB is

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

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

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

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

end CR\_Project\_DNames\_CB;

### CR\_Project\_DNames\_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;

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

-- Only necessary if comboxes are used --

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

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;

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

-- Change "CR\_Project\_Dialog\_Init" in the name of the package --

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

package CR\_Project\_DNames\_Init is

type DNames\_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 --

-- --

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

InputD\_Entry : Gtk\_Box;

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

-- --

-- Label and entry --

-- --

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

LabelD\_Entry : Gtk\_Label;

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

-- --

-- Box for the Combobox and label --

-- --

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

Dialog\_Entry : Gtk\_Entry;

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

-- --

-- Button Box --

-- --

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

Button\_Box : Gtk\_Box;

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

-- Space before buttons

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

LabelB\_But : Gtk\_Label;

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

-- --

-- Buttons OK and Cancel --

-- --

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

OK : Gtk\_Button;

Cancel : Gtk\_Button;

end record;

type DNames\_Access is access all DNames\_Record'Class;

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

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

Main\_Dialog : DNames\_Access;

Dialog\_Open : Boolean := false;

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

-- --

-- Parameters for Entry boxes --

-- --

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

procedure Gtk\_New(MainDialog : out DNames\_Access);

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

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

-- Change "CR\_Project\_Dialog\_Init" in the name of the package --

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

end CR\_Project\_DNames\_Init;

### CR\_Project\_General

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

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pragma License(Unrestricted);

with Glib; use Glib;

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

package CR\_Project\_General is

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

type Convert is (Full, Dialog);

n\_ini : integer;

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

-- Change "CR\_Project" in the name of the iconfile --

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

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

Type\_conv : Convert;

Cur\_Folder : Unbounded\_String;

Inp\_Folder : Unbounded\_String;

Out\_Folder : Unbounded\_String;

CRLF : constant Unbounded\_String := To\_Unbounded\_String(ASCII.CR & ASCII.LF);

last\_template : Unbounded\_String := To\_Unbounded\_String("");

last\_dialog : Unbounded\_String := To\_Unbounded\_String("");

end CR\_Project\_General;

### CR\_Project\_FC\_CB

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pragma License(Unrestricted);

with Gtk.Button; use Gtk.Button;

Package CR\_Project\_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 CR\_Project\_FC\_CB;

### CR\_Project\_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 CR\_Project\_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 CR\_Project\_FC\_Init;

### CR\_Project\_Languages

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pragma License(Unrestricted);

with Glib; use Glib;

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

with CR\_Project\_General; use CR\_Project\_General;

package CR\_Project\_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("CR\_Project Program"),

To\_Unbounded\_String("CR\_Project Programma"),

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

To\_Unbounded\_String("CR\_Project "));

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

(To\_Unbounded\_String("Full Template Conversion "),

To\_Unbounded\_String("Volledige Voorbeeld Conversie "),

To\_Unbounded\_String("Conversion de modèle complet "),

To\_Unbounded\_String("Vollständige Vorlage Conversion "),

To\_Unbounded\_String("Conversión plantilla completa "));

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

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

To\_Unbounded\_String("Dialoog Voorbeeld Conversie "),

To\_Unbounded\_String("Conversion de modèle dialogue "),

To\_Unbounded\_String("Dialog Vorlage Conversion "),

To\_Unbounded\_String("Conversión plantilla diálogo "));

-- 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\_Create : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Create Project Files"), To\_Unbounded\_String("Maak Project Files"),

To\_Unbounded\_String("Create Project Files"), To\_Unbounded\_String("Erstellen Sie Projektdateien"),

To\_Unbounded\_String("Crear archivos de proyecto"));

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

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

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

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

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

To\_Unbounded\_String(" (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\_Total : constant array(GB\_USA .. ES) of Unbounded\_String :=

(To\_Unbounded\_String("Complete Project"), To\_Unbounded\_String("Volledig Project"),

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

To\_Unbounded\_String(""));

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

(To\_Unbounded\_String("Dialog Only"), To\_Unbounded\_String("Alleen Dialoog"),

To\_Unbounded\_String("Dialogue uniquement"), To\_Unbounded\_String("Nur Dialog"),

To\_Unbounded\_String("Sólo diálogo"));

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"));

-- CR\_Project Strings

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

(To\_Unbounded\_String("Details of the program progress:") & CRLF,

To\_Unbounded\_String("Details van de programma voortgang:") & CRLF,

To\_Unbounded\_String("Les détails de l'état d'avancement du programme:") & CRLF,

To\_Unbounded\_String("Einzelheiten des Programms Fortschritte:") & CRLF,

To\_Unbounded\_String("Los detalles del progreso del programa:") & CRLF);

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

(To\_Unbounded\_String("The Source Dirctory is : "),

To\_Unbounded\_String("De oorsprong folder is : "),

To\_Unbounded\_String("La Directory Originale est : "),

To\_Unbounded\_String("Das Quell folder ist : "),

To\_Unbounded\_String("El directorio de origen es : "));

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

(To\_Unbounded\_String("The Destination Dirctory is : "),

To\_Unbounded\_String("De output folder is : "),

To\_Unbounded\_String("La Directory Sortie est : "),

To\_Unbounded\_String("Das Quell folder ist : "),

To\_Unbounded\_String("El directorio de salida es : "));

procedure Reload\_Language(l : Language);

end CR\_Project\_Languages;

### CR\_Project\_Languages\_Dialog\_CB

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

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

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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;

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

-- Change "CR\_Project\_Dialog\_CB" in the name of the package --

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

package CR\_Project\_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\_DialogDelete\_Event (Object : access Gtk\_Dialog\_Record'Class;

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

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

-- Change "CR\_Project\_Dialog\_CB" in the name of the package --

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

end CR\_Project\_Languages\_Dialog\_CB;

### CR\_Project\_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 CR\_Project\_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 CR\_Project\_Languages\_Dialog\_Init;

### CR\_Project\_Names\_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;

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

-- Change "CR\_Project\_Dialog\_CB" in the name of the package --

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

package CR\_Project\_Names\_CB is

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

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

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

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

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

-- Change "CR\_Project\_Dialog\_CB" in the name of the package --

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

end CR\_Project\_Names\_CB;

### CR\_Project\_Names\_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 Ada.Strings.Unbounded; use Ada.Strings.Unbounded;

package CR\_Project\_Names\_Init is

type Names\_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

InputT\_Entry : Gtk\_Box;

InputD\_Entry : Gtk\_Box;

-- Label and entry

LabelT\_Entry : Gtk\_Label;

LabelD\_Entry : Gtk\_Label;

Template\_Entry : Gtk\_Entry;

Dialog\_Entry : Gtk\_Entry;

-- Button Box

Button\_Box : Gtk\_Box;

-- Space before buttons

LabelB\_But : Gtk\_Label;

-- Buttons OK and Cancel

OK : Gtk\_Button;

Cancel : Gtk\_Button;

end record;

type Names\_Access is access all Names\_Record'Class;

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

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

Main\_Dialog : Names\_Access;

Dialog\_Open : Boolean := false;

procedure Gtk\_New(MainDialog : out Names\_Access);

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

end CR\_Project\_Names\_Init;

## Bodies

### CR\_Project

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

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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 CR\_Project\_Main\_Init; use CR\_Project\_Main\_Init;

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Languages; use CR\_Project\_Languages;

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

-- Change "CR\_Project" in the name of the procedure --

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

procedure CR\_Project is

str : Unbounded\_String;

begin

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

-- Change "CR\_Project" in the name of the file --

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

n\_ini := Use\_File("CR\_Project");

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;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(Lan\_Header(Lan)));

str := Lan\_Source(Lan) & Inp\_Folder & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

str := Lan\_Dest(Lan) & Out\_Folder & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

Main\_Window.Buffer.Insert\_At\_Cursor

("-------------------------------------------------------------------------"

& To\_String(CRLF));

Gtk.Main.Main;

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

-- Change "CR\_Project" in the name of the procedure --

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

end CR\_Project;

### CR\_Project\_Convert

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

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

-- Version 1.00 dd. 19-07-2016 created by L. Dries --

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

with GNAT.OS\_Lib; use GNAT.OS\_Lib;

with Ada.Calendar; use Ada.Calendar;

with Ada.Directories; use Ada.Directories;

with Ada.Exceptions; use Ada.Exceptions;

with Sequential\_IO;

with Text\_IO; use Text\_IO;

with CR\_Project\_Main\_Init; use CR\_Project\_Main\_Init;

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Names\_Init; use CR\_Project\_Names\_Init;

package body CR\_Project\_Convert is

type Byte is range 0 .. 255;

procedure Conversion is

package Byte\_IO is new Sequential\_IO(Byte);

n : integer;

start : integer;

eind : integer;

position : integer;

Filenaam\_In : Unbounded\_String;

Filenaam\_Out : Unbounded\_String;

Bld\_Folder : Unbounded\_String;

str : Unbounded\_String;

line : Unbounded\_String;

Date : Unbounded\_String;

Text\_In : Text\_IO.File\_Type;

Text\_out : Text\_IO.File\_Type;

Byte\_In : Byte\_IO.File\_Type;

Byte\_Out : Byte\_IO.File\_Type;

File\_Byte : Byte;

Year : Year\_Number;

Month : Month\_Number;

Day : Day\_Number;

Rest : Day\_Duration;

begin

if Type\_conv = Full then

start := 1;

eind := n\_files - 1;

else

start := 17;

eind := n\_files - 2;

end if;

Split(Clock, Year, Month, Day, Rest);

Date := To\_Unbounded\_String(Day\_Number'Image(Day) & '-' &

Month\_Number'Image(Month) & '-' &

Year\_Number'Image(Year));

n := start;

if not Exists(To\_String(Out\_Folder)) then

Create\_Directory(To\_String(Out\_Folder));

end if;

Bld\_Folder := Out\_Folder & Directory\_Separator & "build";

if not Exists(To\_String(Bld\_Folder)) then

Create\_Directory(To\_String(Bld\_Folder));

end if;

while n <= eind loop

Filenaam\_In := Inp\_Folder & Directory\_Separator & Files(n);

position := Index(Files(n), strD);

if position /= 0 then

Filenaam\_Out := Replace\_Slice(Files(n),position, position + 14, To\_String(last\_dialog));

else

position := Index(Files(n), StrT);

if position /= 0 then

Filenaam\_Out := Replace\_Slice(Files(n),position, position + 7, To\_String(last\_template));

end if;

end if;

Filenaam\_Out := Out\_Folder & Directory\_Separator & FileNaam\_Out;

str := Filenaam\_In & " --> " & Filenaam\_Out;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

-- read and write File

Open(Text\_In, In\_File, To\_String(FileNaam\_In));

Create(text\_Out, Out\_File, To\_String(Filenaam\_Out));

while not End\_Of\_File(Text\_In) loop

line := To\_Unbounded\_String(Get\_Line(Text\_In));

position := Index(line, "dd-mmm-yyyy");

if position /= 0 then

line := Replace\_Slice(line,position, position + 10, To\_String(Date));

end if;

loop

position := Index(line, strD);

if position /= 0 then

line := Replace\_Slice(line,position, position + 14, To\_String(last\_dialog));

else

exit;

end if;

end loop;

loop

position := Index(line, StrT);

if position /= 0 then

line := Replace\_Slice(line,position, position + 7, To\_String(last\_template));

else

exit;

end if;

end loop;

Put\_Line(Text\_Out, To\_String(line));

end loop;

Close(Text\_In);

Close(Text\_Out);

str := To\_Unbounded\_String(" Completed ") & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

n := n + 1;

end loop;

Filenaam\_In := Inp\_Folder & Directory\_Separator & Files(n\_files);

position := Index(Files(n), strD);

if Type\_conv = Full then

position := Index(Files(n), StrT);

if position /= 0 then

Filenaam\_Out := Replace\_Slice(Files(n\_files),position, position + 7, To\_String(last\_template));

end if;

Filenaam\_Out := Out\_Folder & Directory\_Separator & FileNaam\_Out;

str := Filenaam\_In & " --> " & Filenaam\_Out;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

Byte\_IO.Open(Byte\_In, Byte\_IO.In\_File, To\_String(Filenaam\_In));

Byte\_IO.Create(Byte\_Out, Byte\_IO.Out\_File, To\_String(Filenaam\_Out));

while not Byte\_IO.End\_Of\_File(Byte\_In) loop

Byte\_IO.Read(Byte\_In, File\_Byte);

Byte\_IO.Write(Byte\_Out, File\_Byte);

end loop;

Byte\_IO.Close(Byte\_In);

Byte\_IO.Close(Byte\_Out);

end if;

exception

when Error : others =>

str := CRLF & "Exception: " & To\_Unbounded\_String(Exception\_Name(Error)) & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

str := "Input File" & Filenaam\_In & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

str := "Output File" & Filenaam\_Out & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

str := To\_Unbounded\_String(Exception\_Message(Error)) & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

end Conversion;

end CR\_Project\_Convert;

### CR\_Project\_DNames\_CB

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

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

pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.GEntry; use Gtk.GEntry;

with CR\_Project\_DNames\_Init;

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

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Convert; use CR\_Project\_Convert;

package body CR\_Project\_DNames\_CB is

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

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

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

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

pragma Unreferenced (Object);

begin

if CR\_Project\_DNames\_Init.Dialog\_Open then

CR\_Project\_DNames\_Init.Main\_Dialog.Hide;

CR\_Project\_DNames\_Init.Dialog\_Open := false;

end if;

end On\_DNames\_End;

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

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

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

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

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

pragma Unreferenced (Object);

begin

On\_DNames\_End(null);

return true;

end On\_DNames\_Delete\_Event;

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

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

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

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

pragma Unreferenced (Object);

begin

-- Readout of the various Parameters of the Dialog

last\_dialog := To\_Unbounded\_String(Get\_Text(CR\_Project\_DNames\_Init.Main\_Dialog.Dialog\_Entry));

Type\_conv := Dialog;

On\_DNames\_End(null);

Conversion;

end On\_DOK;

end CR\_Project\_DNames\_CB;

### CR\_Project\_DNames\_Init

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

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

pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.GEntry; use Gtk.GEntry;

with CR\_Project\_DNames\_Init;

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

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Convert; use CR\_Project\_Convert;

package body CR\_Project\_DNames\_CB is

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

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

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

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

pragma Unreferenced (Object);

begin

if CR\_Project\_DNames\_Init.Dialog\_Open then

CR\_Project\_DNames\_Init.Main\_Dialog.Hide;

CR\_Project\_DNames\_Init.Dialog\_Open := false;

end if;

end On\_DNames\_End;

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

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

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

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

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

pragma Unreferenced (Object);

begin

On\_DNames\_End(null);

return true;

end On\_DNames\_Delete\_Event;

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

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

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

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

pragma Unreferenced (Object);

begin

-- Readout of the various Parameters of the Dialog

last\_dialog := To\_Unbounded\_String(Get\_Text(CR\_Project\_DNames\_Init.Main\_Dialog.Dialog\_Entry));

Type\_conv := Dialog;

On\_DNames\_End(null);

Conversion;

end On\_DOK;

end CR\_Project\_DNames\_CB;

### CR\_Project\_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 CR\_Project\_Main\_CB; use CR\_Project\_Main\_CB;

with CR\_Project\_FC\_Init; use CR\_Project\_FC\_Init;

with CR\_Project\_General; use CR\_Project\_General;

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

with CR\_Project\_Main\_Init; use CR\_Project\_Main\_Init;

with CR\_Project\_Languages; use CR\_Project\_Languages;

Package body CR\_Project\_FC\_CB is

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

str : Unbounded\_String;

begin

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

str := Lan\_Source(Lan) & Inp\_Folder & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

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

File\_Dir\_Dialog.Hide;

end On\_FC\_Open\_OK;

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

str : Unbounded\_String;

begin

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

str := Lan\_Dest(Lan) & Out\_Folder & CRLF;

Main\_Window.Buffer.Insert\_At\_Cursor(To\_String(str));

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

File\_Dir\_Dialog.Hide;

end On\_FC\_Save\_OK;

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

str : Unbounded\_String;

begin

case File is

when Open => On\_FC\_Open\_OK(null);

when Save => On\_FC\_Save\_OK(null);

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

end case;

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 CR\_Project\_FC\_CB;

### CR\_Project\_FC\_Init

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

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pragma License(Unrestricted);

with Gtk.Handlers; use Gtk.Handlers;

with CR\_Project\_FC\_CB; use CR\_Project\_FC\_CB;

with Program\_Init; use Program\_Init;

with CR\_Project\_Names\_Init;

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Languages; use CR\_Project\_Languages;

package body CR\_Project\_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, CR\_Project\_Names\_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, CR\_Project\_Names\_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, CR\_Project\_Names\_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 CR\_Project\_FC\_Init;

### CR\_Project\_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 CR\_Project\_Main\_Init; use CR\_Project\_Main\_Init;

with CR\_Project\_Names\_Init;

with CR\_Project\_FC\_Init; use CR\_Project\_FC\_Init;

with CR\_Project\_Languages\_Dialog\_Init; use CR\_Project\_Languages\_Dialog\_Init;

with CR\_Project\_Languages\_Dialog\_CB; use CR\_Project\_Languages\_Dialog\_CB;

package body CR\_Project\_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;

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

CR\_Project\_Names\_Init.Main\_Dialog.Set\_Title (To\_String(Lan\_Dialog\_Title(Lan)));

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

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

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

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

-- 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)));

-- CR\_Project\_Main Dialog

CR\_Project\_Names\_Init.Main\_Dialog.OK.Set\_Label(To\_String(Lan\_OK(Lan)));

CR\_Project\_Names\_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 CR\_Project\_Languages;

### CR\_Project\_Languages\_Dialog\_CB

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

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pragma License(Unrestricted);

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

with Program\_Init; use Program\_Init;

with CR\_Project\_Languages; use CR\_Project\_Languages;

with CR\_Project\_Languages\_Dialog\_Init; use CR\_Project\_Languages\_Dialog\_Init;

with CR\_Project\_General; use CR\_Project\_General;

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

-- Change "CR\_Project\_Languages\_DialogCB" in the name of the package --

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

package body CR\_Project\_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\_DialogDelete\_Event used in the Delete\_Event

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

function On\_DialogDelete\_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\_DialogDelete\_Event;

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

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

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

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

-- Change "CR\_Project\_DialogCB" in the name of the package --

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

end CR\_Project\_Languages\_Dialog\_CB;

### CR\_Project\_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 CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Languages; use CR\_Project\_Languages;

with CR\_Project\_Languages\_Dialog\_CB; use CR\_Project\_Languages\_Dialog\_CB;

package body CR\_Project\_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;

CR\_Project\_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);

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

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);

Gtk\_New (LanDialog.Combo\_Inp);

Pack\_Start

(LanDialog.Combo\_Box,

LanDialog.Combo\_Inp,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(LanDialog.Input\_Box,

LanDialog.Combo\_Box,

Expand => True,

Fill => True,

Padding => 5);

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 the Buttons --

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

Pack\_Start

(LanDialog.Button\_Box,

LanDialog.Cancel,

Expand => True,

Fill => True,

Padding => 2);

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

Pack\_Start

(LanDialog.Button\_Box,

LanDialog.OK,

Expand => True,

Fill => True,

Padding => 2);

Pack\_Start

(LanDialog.Dialog\_Box,

LanDialog.Button\_Box,

Expand => True,

Fill => True,

Padding => 0);

-- Set a Size

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

-- Set the Signal events

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

Dialog\_CBR.To\_Marshaller(On\_DialogDelete\_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 CR\_Project\_Languages\_Dialog\_Init;

### CR\_Project\_Names\_CB

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

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pragma License(Unrestricted);

with Glib; use Glib;

with Gtk.GEntry; use Gtk.GEntry;

with CR\_Project\_Names\_Init;

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

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Convert; use CR\_Project\_Convert;

package body CR\_Project\_Names\_CB is

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

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

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

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

pragma Unreferenced (Object);

begin

if CR\_Project\_Names\_Init.Dialog\_Open then

CR\_Project\_Names\_Init.Main\_Dialog.Hide;

CR\_Project\_Names\_Init.Dialog\_Open := false;

end if;

end On\_Names\_End;

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

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

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

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

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

pragma Unreferenced (Object);

begin

On\_Names\_End(null);

return true;

end On\_Names\_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 --

-- --

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

last\_template := To\_Unbounded\_String(Get\_Text(CR\_Project\_Names\_Init.Main\_Dialog.Template\_Entry));

last\_dialog := To\_Unbounded\_String(Get\_Text(CR\_Project\_Names\_Init.Main\_Dialog.Dialog\_Entry));

Type\_conv := Full;

On\_Names\_End(null);

Conversion;

end On\_OK;

end CR\_Project\_Names\_CB;

### CR\_Project\_Names\_Init

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

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pragma License(Unrestricted);

with Gtk.Enums; use Gtk.Enums;

with Gtk.Handlers; use Gtk.Handlers;

with CR\_Project\_Names\_CB; use CR\_Project\_Names\_CB;

with CR\_Project\_General; use CR\_Project\_General;

with CR\_Project\_Main\_Init; use CR\_Project\_Main\_Init;

with CR\_Project\_Languages; use CR\_Project\_Languages;

package body CR\_Project\_Names\_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 Names\_Access) is

begin

MainDialog := new Names\_Record;

CR\_Project\_Names\_Init.Init (MainDialog);

end Gtk\_New;

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

pragma Suppress (All\_Checks);

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

begin

-- Creation of the Dialog Window

Gtk.Dialog.Initialize (MainDialog);

MainDialog.Set\_Title (To\_String(Lan\_Full\_Title(Lan)));

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

Set\_Modal (MainDialog, true);

Set\_Resizable (MainDialog, false);

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

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

On\_Names\_End(null);

end if;

-- Creation of the Basic Box

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

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

-- Creation of the Box for the normal Input met Label

Gtk\_New (MainDialog.InputT\_Entry, Orientation\_Horizontal, 0);

Gtk\_New (MainDialog.InputD\_Entry, Orientation\_Horizontal, 0);

-- Creation of the Template name and Dialog

Gtk\_New\_with\_Mnemonic (MainDialog.LabelT\_Entry, "Template --> ");

Set\_Justify(MainDialog.LabelT\_Entry, Gtk.Enums.Justify\_Right);

Gtk\_New\_with\_Mnemonic (MainDialog.LabelD\_Entry, "Template\_Dialog --> ");

Set\_Justify(MainDialog.LabelD\_Entry, Gtk.Enums.Justify\_Right);

Pack\_Start

(MainDialog.InputT\_Entry,

MainDialog.LabelT\_Entry,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.InputD\_Entry,

MainDialog.LabelD\_Entry,

Expand => True,

Fill => True,

Padding => 0);

Gtk\_New (MainDialog.Template\_Entry);

Gtk\_New (MainDialog.Dialog\_Entry);

Pack\_Start

(MainDialog.InputT\_Entry,

MainDialog.Template\_Entry,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.InputD\_Entry,

MainDialog.Dialog\_Entry,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Box,

MainDialog.InputT\_Entry,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Input\_Box,

MainDialog.InputD\_Entry,

Expand => True,

Fill => True,

Padding => 0);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Input\_Box,

Expand => True,

Fill => True,

Padding => 0);

-- Buttons --

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

-- Cancel Button

Gtk\_New\_with\_Mnemonic (MainDialog.LabelB\_But, "");

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

Pack\_Start

(MainDialog.Button\_Box,

MainDialog.LabelB\_But,

Expand => True,

Fill => True,

Padding => 2);

Pack\_Start

(MainDialog.Button\_Box,

MainDialog.Cancel,

Expand => True,

Fill => True,

Padding => 2);

-- OK Button

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

Pack\_Start

(MainDialog.Button\_Box,

MainDialog.OK,

Expand => True,

Fill => True,

Padding => 2);

Pack\_Start

(MainDialog.Dialog\_Box,

MainDialog.Button\_Box,

Expand => True,

Fill => True,

Padding => 0);

-- Set a Size Request

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

-- Signal events

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

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

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

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

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

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

end Init;

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

-- Change "CR\_Project\_Dialog\_Init" in the name of the package --

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

end CR\_Project\_Names\_Init;