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with Ada.Exceptions;

with Gnoga.Application.Multi_Connect;

with hello6.Controller;

procedure hello6.Main is
begin
  Gnoga.Application.Title ("hello6");
  Gnoga.Application.HTML_On_Close
    ("Connection to Application has been terminated");

  Gnoga.Application.Multi_Connect.Initialize;

  Gnoga.Application.Multi_Connect.Message_Loop;
exception
  when E : others =>
    Gnoga.Log (Ada.Exceptions.Exception_Name (E) & " - " &
      Ada.Exceptions.Exception_Message (E));
end hello6.Main;

with Gnoga.Gui.Base;
with Gnoga.Gui.View;
with Gnoga.Gui.Element.Common;

package hello6.View is

  type Default_View_Type is new Gnoga.Gui.View.View_Type with
    record
      Label_Text      : Gnoga.Gui.View.View_Type;
      Click_Button    : Gnoga.Gui.Element.Common.Button_Type;
    end record;
  type Default_View_Access is access all Default_View_Type;
  type Pointer_to_Default_View_Class is access all Default_View_Type'Class;

  overriding
  procedure Create
    (View      : in out Default_View_Type;
     Parent    : in out Gnoga.Gui.Base.Base_Type'Class;
     ID        : in      String := "");

end hello6.View;

package body hello6.View is

  -----
  -- Create --
  -----

  overriding
  procedure Create
    (View      : in out Default_View_Type;
     Parent    : in out Gnoga.Gui.Base.Base_Type'Class;
     ID        : in      String := "")
  is
  begin
    Gnoga.Gui.View.View_Type (View).Create (Parent, ID);

    View.Label_Text.Create (View);
    View.Click_Button.Create (View, "Click Me");
  end Create;

end hello6.View;

with Gnoga.Gui.Window;
with Gnoga.Application.Multi_Connect;

package hello6.Controller is
  pragma Elaborate_Body;
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--      procedure Default
--      (Main_Window : in out Gnoga.Gui.Window.Window_Type'Class;
--       Connection   : access
--         Gnoga.Application.Multi_Connect.Connection_Holder_Type);
end hello6.Controller;

with Gnoga.Gui.Base;
with Gnoga.Gui.Element.Common;
with Gnoga.Types;
with Gnoga.Gui.View;

with hello6.View;

package body hello6.Controller is

  type App_Data_Type is new Gnoga.Types.Connection_Data_Type with record
    View : hello6.View.Default_View_Type;
  end record;
  type App_Data_Access is access all App_Data_Type;

  procedure On_Click1 (Object : in out Gnoga.Gui.Base.Base_Type'Class);

  procedure On_Click1 (Object : in out Gnoga.Gui.Base.Base_Type'Class) is
    View : hello6.View.Default_View_Access :=
      hello6.View.Default_View_Access (Object.Parent);
  begin
    View.Label_Text.Put_Line ("Click1");
  end On_Click1;

  procedure On_Click2 (Object : in out Gnoga.Gui.Base.Base_Type'Class);

  procedure On_Click2 (Object : in out Gnoga.Gui.Base.Base_Type'Class) is
  begin
    App_Data_Access(Object.Connection_Data).View.Label_Text.Put_Line ("Click2");
  end On_Click2;

  procedure On_Click3 (Object : in out Gnoga.Gui.Base.Base_Type'Class);

  procedure On_Click3 (Object : in out Gnoga.Gui.Base.Base_Type'Class) is
    Window : Gnoga.Gui.Window.Window_Access :=
      Gnoga.Gui.Window.Window_Access (Object.Parent.Parent);
    View : Gnoga.Gui.View.View_Type;
  begin
    Gnoga.Gui.View.View_Access(Window.Get_View).Remove;
    View.Create (Window.all);
    View.Put_Line ("Application exited.");
    Window.Close_Connection;
  end On_Click3;

  procedure Default1
    (Main_Window : in out Gnoga.Gui.Window.Window_Type'Class;
     Connection   : access
       Gnoga.Application.Multi_Connect.Connection_Holder_Type)
  is
    View : hello6.View.Default_View_Type;
  begin
    View.Create (Main_Window);
    View.Click_Button.On_Click_Handler (On_Click1'Access);
    Connection.Hold;
  end Default1;

  procedure Default2
    (Main_Window : in out Gnoga.Gui.Window.Window_Type'Class;
     Connection   : access
       Gnoga.Application.Multi_Connect.Connection_Holder_Type)
  is
    App_Data : App_Data_Access := new App_Data_Type;
  begin
    Main_Window.Connection_Data (App_Data);
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    App_Data.View.Create (Main_Window);
    App_Data.View.Click_Button.On_Click_Handler (On_Click2'Access);
end Default2;

procedure Default3
(Main_Window : in out Gnoga.Gui.Window.Window_Type'Class;
 Connection   : access
               Gnoga.Application.Multi_Connect.Connection_Holder_Type)
is
View : hello6.View.Default_View_Access :=
    new hello6.View.Default_View_Type;
Close_Button : Gnoga.Gui.Element.Common.Button_Access :=
    new Gnoga.Gui.Element.Common.Button_Type;
begin
View.Dynamic;
View.Create (Main_Window);
View.Click_Button.On_Click_Handler (On_Click1'Access);
Close_Button.Dynamic;
Close_Button.Create (View.all, "Close");
Close_Button.On_Click_Handler (On_Click3'Access);
end Default3;

begin
Gnoga.Application.Multi_Connect.On_Connect_Handler
(Default1'Access, "default1");
Gnoga.Application.Multi_Connect.On_Connect_Handler
(Default2'Access, "default2");
Gnoga.Application.Multi_Connect.On_Connect_Handler
(Default3'Access, "default3");
end hello6.Controller;
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