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with Ada.Exceptions;
with Ada.Strings.Unbounded;

with Gnoga.Gui.Window;
with Gnoga.Gui.View.Console;
with Gnoga.Gui.Element.Form;
with Gnoga.Types;
with Gnoga.Application.Multi_Connect;
with Gnoga.Server.Connection;

procedure hello3post is

  Last_Parameters : Gnoga.Types.Data_Map_Type;

  procedure Formulaires
    (Main_Window : in out Gnoga.Gui.Window.Window_Type'Class;
     Connection   :      access Gnoga.Application.Multi_Connect.Connection_Holder_Type)
  is
    pragma Unreferenced (Connection);
    Main_View      : Gnoga.Gui.View.Console.Console_View_Type;
    Mon_Formulaire : Gnoga.Gui.Element.Form.Form_Type;
    Mon_Texte_Multi : Gnoga.Gui.Element.Form.Text_Area_Type;
    Mon_Champ_Cache : Gnoga.Gui.Element.Form.Hidden_Type;
    Mon_Bouton      : Gnoga.Gui.Element.Form.Input_Button_Type;
    Mon_Bouton_Envoi : Gnoga.Gui.Element.Form.Submit_Button_Type;
    Mon_Bouton_RAZ  : Gnoga.Gui.Element.Form.Reset_Button_Type;
    Ma_Case_A_Cocher : Gnoga.Gui.Element.Form.Check_Box_Type;
    Mon_Bouton_Radiol : Gnoga.Gui.Element.Form.Radio_Button_Type;
    Mon_Bouton_Radio2 : Gnoga.Gui.Element.Form.Radio_Button_Type;
    Mon_Image       : Gnoga.Gui.Element.Form.Input_Image_Type;
    Mon_Texte       : Gnoga.Gui.Element.Form.Text_Type;
    Mon_Mel         : Gnoga.Gui.Element.Form.Email_Type;
    Mon_Mot_Passe   : Gnoga.Gui.Element.Form.Password_Type;
    Mon_URL         : Gnoga.Gui.Element.Form.URL_Type;
    Ma_Recherche    : Gnoga.Gui.Element.Form.Search_Type;
    Ma_Couleur      : Gnoga.Gui.Element.Form.Color_Picker_Type;
    Ma_Date         : Gnoga.Gui.Element.Form.Date_Type;
    Mon_Heure       : Gnoga.Gui.Element.Form.Time_Type;
    Mon_Mois        : Gnoga.Gui.Element.Form.Month_Type;
    Ma_Semaine      : Gnoga.Gui.Element.Form.Week_Type;
    Ma_Date_Heure_Locale : Gnoga.Gui.Element.Form.Date_Time_Local_Type;
    Mon_Nombre      : Gnoga.Gui.Element.Form.Number_Type;
    Mon_Glisser     : Gnoga.Gui.Element.Form.Range_Type;
    Mon_Etiquette   : Gnoga.Gui.Element.Form.Label_Type;
    Ma_Selection    : Gnoga.Gui.Element.Form.Selection_Type;
    Mon_Option1     : Gnoga.Gui.Element.Form.Option_Type;
    Mon_Option2     : Gnoga.Gui.Element.Form.Option_Type;
    Mon_Option_Groupe : Gnoga.Gui.Element.Form.Option_Group_Type;
  begin
    Main_View.Create (Main_Window);
    Mon_Formulaire.Create (Main_View, "/resultats", Gnoga.Gui.Element.Form.Post);
    Mon_Texte_Multi.Create
      (Mon_Formulaire, Value => "Texte multi-ligne...", Name => "Texte multi-ligne");
    Mon_Formulaire.New_Line;
    Mon_Champ_Cache.Create (Mon_Formulaire, Value => "Valeur0", Name => "Champ Cache");
    Mon_Formulaire.Put ("<- Champ caché.");
    Mon_Formulaire.New_Line;
    Mon_Bouton.Create (Mon_Formulaire, "Annuler");
    Mon_Bouton_Envoi.Create (Mon_Formulaire, "Envoyer");
    Mon_Bouton_RAZ.Create (Mon_Formulaire, "RAZ");
    Mon_Formulaire.New_Line;
    Ma_Case_A_Cocher.Create (Mon_Formulaire, Value => "Cochée", Name => "Case a Cocher");
    Gnoga.Gui.Element.Form.Label_Access'(new Gnoga.Gui.Element.Form.Label_Type).Create
      (Mon_Formulaire, Ma_Case_A_Cocher, "Case à cocher");
    Mon_Formulaire.New_Line;
    Mon_Bouton_Radiol.Create (Mon_Formulaire, Value => "Choix1", Name => "Boutons radio");
    Gnoga.Gui.Element.Form.Label_Access'(new Gnoga.Gui.Element.Form.Label_Type).Create
      (Mon_Formulaire, Mon_Bouton_Radiol, "Choix 1");
    Mon_Bouton_Radio2.Create (Mon_Formulaire, True, Value => "Choix2", Name => "Boutons radio")
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Gnoga.Gui.Element.Form.Label_Access'(new Gnoga.Gui.Element.Form.Label_Type).Create
(Mon_Formulaire, Mon_Bouton_Radio2, "Choix 2");
Mon_Formulaire.New_Line;
Mon_Image.Create (Mon_Formulaire, "favicon.ico", Value => "favicon.ico", Name => "Image");
Mon_Formulaire.Put ("<- image.");
Mon_Formulaire.New_Line;
Mon_Texte.Create (Mon_Formulaire, Name => "Texte");
Mon_Formulaire.Put ("<- texte sur une ligne.");
Mon_Formulaire.New_Line;
Mon_Mel.Create (Mon_Formulaire, Value => "mel@moi.org", Name => "Mel");
Mon_Formulaire.New_Line;
Mon_Mot_Passe.Create (Mon_Formulaire, Value => "mdp", Name => "MDP");
Mon_Formulaire.Put ("<- mot de passe.");
Mon_Formulaire.New_Line;
Mon_URL.Create (Mon_Formulaire, Value => "http://gnoga.com", Name => "URL");
Mon_Formulaire.New_Line;
Ma_Recherche.Create (Mon_Formulaire, Value => "gnoga", Name => "Recherche");
Mon_Formulaire.Put ("<- recherche.");
Mon_Formulaire.New_Line;
Ma_Couleur.Create (Mon_Formulaire, Name => "Couleur");
Mon_Formulaire.Put ("<- couleur.");
Mon_Formulaire.New_Line;
Ma_Date.Create (Mon_Formulaire, Name => "Date");
Mon_Formulaire.Put ("<- date yyyy-mm-dd.");
Mon_Formulaire.New_Line;
Mon_Heure.Create (Mon_Formulaire, Name => "Heure");
Mon_Formulaire.Put ("<- heure HH:MM.");
Mon_Formulaire.New_Line;
Mon_Mois.Create (Mon_Formulaire, Name => "Mois");
Mon_Formulaire.Put ("<- mois yyyy-mm.");
Mon_Formulaire.New_Line;
Ma_Semaine.Create (Mon_Formulaire, Name => "Semaine");
Mon_Formulaire.Put ("<- semaine yyyy-Www.");
Mon_Formulaire.New_Line;
Ma_Date_Heure_Locale.Create (Mon_Formulaire, Name => "Date heure locale");
Mon_Formulaire.Put ("<- date et heure locale yyyy-mm-ddTHH:MMZ.");
Mon_Formulaire.New_Line;
Mon_Nombre.Create (Mon_Formulaire, Value => "99", Name => "Nombre");
Mon_Formulaire.Put ("<- nombre.");
Mon_Formulaire.New_Line;
Mon_Glisser.Create (Mon_Formulaire, Name => "Glisseur");
Mon_Etiquette.Create (Mon_Formulaire, Mon_Glisser, "Glisseur");
Mon_Formulaire.New_Line;
Ma_Selection.Create (Mon_Formulaire, Name => "Selection");
Ma_Selection.Add_Option ("Valeur1", "Champ 1");
Mon_Option1.Create (Mon_Formulaire, Ma_Selection, "Valeur2", "Champ 2");
Mon_Option_Groupe.Create (Mon_Formulaire, Ma_Selection, "Groupe 1");
Mon_Option2.Create (Mon_Formulaire, Mon_Option_Groupe, "Valeur3", "Champ 3");
end Formulaires;

procedure On_Post_Request
  (URI          : in      String;
   Accepted_Parameters : out Ada.Strings.Unbounded.Unbounded_String)
is
  pragma Unreferenced (URI);
begin
  Accepted_Parameters :=
    Ada.Strings.Unbounded.To_Unbounded_String ("Texte multi-ligne,Champ Cache,Case a Cocher,
end On_Post_Request;

procedure On_Post (URI : String; Parameters : in out Gnoga.Types.Data_Map_Type) is
  pragma Unreferenced (URI);
begin
  Last_Parameters := Parameters;
end On_Post;

procedure Resultats
  (Main_Window : in out Gnoga.Gui.Window.Window_Type'Class;
   Connection   :      access Gnoga.Application.Multi_Connect.Connection_Holder_Type)

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is
  pragma Unreferenced (Connection);
  Main_View : Gnoga.Gui.View.Console.Console_View_Type;
begin
  Main_View.Create (Main_Window);
  for C in Last_Parameters.Iterate loop
    begin
      Main_View.Put_Line
        ("POST parameter: " &
         Gnoga.Types.Data_Maps.Key (C) &
         " = " &
         Gnoga.Types.Data_Maps.Element (C));
    end;
  end loop;
  Last_Parameters.Clear;
end Resultats;

begin
  Gnoga.Application.Title ("hello3 POST");
  Gnoga.Application.HTML_On_Close ("Connection to Application has been terminated</b>");

  -- Gnoga.Application.Open_URL ("http://127.0.0.1:8080");
  Gnoga.Application.Multi_Connect.Initialize;
  Gnoga.Application.Multi_Connect.On_Connect_Handler (Formulaires'Unrestricted_Access);
  Gnoga.Application.Multi_Connect.On_Connect_Handler
    (Resultats'Unrestricted_Access,
     "/resultats");

  Gnoga.Server.Connection.On_Post_Handler (On_Post'Unrestricted_Access);
  Gnoga.Server.Connection.On_Post_Request_Handler (On_Post_Request'Unrestricted_Access);

  Gnoga.Application.Multi_Connect.Message_Loop;
exception
  when E : others =>
    Gnoga.Log (Ada.Exceptions.Exception_Name (E) & " - " & Ada.Exceptions.Exception_Message (E))
end hello3post;
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