```pascal
  1: unit HURegistration;
  2:
  3: {$mode objfpc}{$H+}
  4:
  5: //=============================================================================
  6: //
  7: // Unit : HURegistration.pas
  8: //
  9: // Description :
 10: //
 11: // Called By :
 12: //
 13: // Calls : HUConstants
 14: //        HUValidations : ValidCallsignCharacter
 15: //                         ValidEmailCharacter
 16: //                         ValidNameCharacter
 17: //
 18: // Ver. : 1.0.0
 19: //
 20: // Date : 16 Mar 2019
 21: //
 22: //=============================================================================
 23:
 24: interface
 25:
 26: uses
 27:   Classes, SysUtils, FileUtil, Forms, Controls, Graphics, Dialogs, Buttons,
 28:   StdCtrls,
 29:   // Application units
 30:   // HULib units
 31:   HUConstants, HUValidations;
 32:
 33: type
 34:
 35:   { TdlgHURegistration }
 36:
 37:   TdlgHURegistration = class(TForm)
 38:     bbtRegID: TBitBtn;
 39:     bbtCancel: TBitBtn;
 40:     bbtHelp: TBitBtn;
 41:     edtEmail: TEdit;
 42:     edtStep4: TEdit;
 43:     edtKeyID: TEdit;
 44:     edtLastName: TEdit;
 45:     edtFirstName: TEdit;
 46:     Label1: TLabel;
 47:     Label2: TLabel;
 48:     lblKeyID: TLabel;
 49:     lblStep4: TLabel;
 50:     Label5: TLabel;
 51:     memInstructions: TMemo;
 52:     procedure bbtCancelClick(Sender: TObject);
 53:     procedure bbtRegIDClick(Sender: TObject);
 54:     procedure bbtHelpClick(Sender: TObject);
 55:     procedure edtStep4KeyPress(Sender: TObject; var Key: char);
 56:     procedure edtEmailKeyPress(Sender: TObject; var Key: char);
 57:     procedure edtFirstNameKeyPress(Sender: TObject; var Key: char);
 58:     procedure edtLastNameKeyPress(Sender: TObject; var Key: char);
 59:     procedure FormCreate(Sender: TObject);
 60:     procedure FormShow(Sender: TObject);
```

```pascal
 61:       procedure GetRegistrationKey;
 62:  //    procedure GetUSerID;
 63: //     procedure HideStep4;
 64:   private
 65:      fFirstName : String;
 66:      fLastName : String;
 67:      fEmailAddress : String;
 68:      fCallsign : String;
 69:      fRegKey : String;
 70:      fUserID : String;
 71:      fHideStep4 : Boolean;
 72:      procedure HideStep4Entry;
 73:   public
 74:      function GetFirstName : string;
 75:      procedure SetFirstName(FirstName : string);
 76:      function GetLastName : string;
 77:      procedure SetLastName(LastName : string);
 78:      function GetEmailAddress : string;
 79:      procedure SetEmailAddress(EmailAddress : string);
 80:      function GetCallsign : string;
 81:      procedure SetCallsign(Callsign : string);
 82:      function GetRegKey : string;
 83:      procedure SetRegKey(RegKey : string);
 84:      function GetUserID : string;
 85:      procedure SetUserID(UserID : string);
 86:      function GetHideStep4 : Boolean;
 87:      procedure SetHideStep4(HideStep4 : Boolean);
 88:      property pFirstName: string read GetFirstName write SetFirstName;
 89:      property pLastName: string read GetLastName write SetLastName;
 90:      property pEmailAddress: string read GetEmailAddress write SetEmailAddress;
 91:      property pCallsign: string read GetCallsign write SetCallsign;
 92:      property pRegKey: string read GetRegKey write SetRegKey;
 93:      property pUserID: string read GetUserID write SetUserID;
 94:      property pHideStep4: Boolean read GetHideStep4 write SetHideStep4;
 95:
 96:    end;// TdlgHURegistration
 97:
 98: var
 99:    dlgHURegistration: TdlgHURegistration;
100:
101: implementation
102:
103: {$R *.lfm}
104:
105: //=========================================================================================
106: //          PRIVATE CONSTANTS
107: //=========================================================================================
108: Const
109:    cstrlblRegistrationKey = 'Registration Key : ';
110:    cstrlblUserID = '      User ID : ';
111:
112:    cstrmemRegKeyInstructions1 = 'Request Your Registration Key.' +
113:                                             K_CR +
114:                                             K_CR +
115:                                             'Step 1 : Enter Your First Name.' +
116:                                             K_CR +
117:                                             'Step 2 : Enter Your Last Name.' +
118:                                             K_CR +
119:                                             'Step 3 : Enter Your EMail Address.' +
120:                                             K_CR +
```

```
121:                                                     'Step 4 : Enter Your Callsign.';
122:
123:     cstrmemRegKeyInstructions2 = 'Request Your Registration Key.' +
124:                                         K_CR +
125:                                         K_CR +
126:                                         'Step 1 : Enter Your First Name.' +
127:                                         K_CR +
128:                                         'Step 2 : Enter Your Last Name.' +
129:                                         K_CR +
130:                                         'Step 3 : Enter Your EMail Address.';
131:
132:     cstrmemUserIDInstructions1 = 'Request Your User ID.' +
133:                                         K_CR +
134:                                         K_CR +
135:                                         'Step 1 : Enter Your First Name.' +
136:                                         K_CR +
137:                                         'Step 2 : Enter Your Last Name.' +
138:                                         K_CR +
139:                                         'Step 3 : Enter Your EMail Address.' +
140:                                         K_CR +
141:                                         'Step 4 : Enter Your Callsign.';
142:
143:     cstrmemUserIDInstructions2 = 'Request Your User ID.' +
144:                                         K_CR +
145:                                         K_CR +
146:                                         'Step 1 : Enter Your First Name.' +
147:                                         K_CR +
148:                                         'Step 2 : Enter Your Last Name.' +
149:                                         K_CR +
150:                                         'Step 3 : Enter Your EMail Address.';
151:
152: //==============================================================================
153: //            PUBLIC CONSTANTS
154: //==============================================================================
155:
156: //==============================================================================
157: //            PRIVATE VARIABLES
158: //==============================================================================
159:
160: //==============================================================================
161: //            PUBLIC VARIABLES
162: //==============================================================================
163:
164: //==============================================================================
165: //            PRIVATE ROUTINES
166: //==============================================================================
167: procedure TdlgHURegistration.HideStep4Entry;
168: begin
169:   if pHideStep4 then
170:   begin
171:     lblstep4.Visible := False;
172:     edtStep4.Visible := False;
173:   end
174:   else
175:   begin
176:     lblstep4.Visible := True;
177:     edtStep4.Visible := True;
178:   end;
179: end;// procedure TdlgHURegistration.HideStep4Entry
180:
```

```
181: //----------------------------------------------------------------------------------
182: {procedure TdlgHURegistration.ShowStep4;
183: begin
184:   lblstep4.Visible := True;
185:   edtStep4.Visible := True;
186: end;// procedure TdlgHURegistration.ShowStep4}
187:
188: //==================================================================================
189: //           PUBLIC ROUTINES
190: //==================================================================================
191: //==================================================================================
192: procedure TdlgHURegistration.GetRegistrationKey;
193: begin
194:   lblKeyID.Caption := cstrlblRegistrationKey;
195:   bbtRegID.Caption := 'Registration';;
196:   memInstructions.lines[0] := cstrmemRegKeyInstructions1;
197: //  pHideStep4 := True;
198:   dlgHURegistration.HideStep4Entry;
199:   dlgHURegistration.ShowModal;
200: end;// procedure TdlgHURegistration.GetRegistrationKey
201:
202: //==================================================================================
203: {procedure TdlgHURegistration.GetUSerID;
204: begin
205:   lblKeyID.Caption := cstrlblUserID;
206:   bbtRegID.Caption := 'User ID';
207:   memInstructions.lines[0] := cstrmemUserIDInstructions1;
208:   dlgHURegistration.ShowModal;
209: end;// procedure TdlgHURegistration.GetUSerID }
210:
211: //==================================================================================
212: //          PROPERTY ROUTINES
213: //==================================================================================
214: function TdlgHURegistration.GetFirstName: String;
215: begin
216:   Result := fFirstName;
217: end;// function TdlgHURegistration.GetFirstName
218:
219: //----------------------------------------------------------------------------------
220: procedure TdlgHURegistration.SetFirstName(FirstName: String);
221: begin
222:    fFirstName := FirstName;
223: end;// procedure TdlgHURegistration.SetFirstName
224:
225: //==================================================================================
226: function TdlgHURegistration.GetLastName: String;
227: begin
228:   Result := fLastName;
229: end;// function TdlgHURegistration.GetLastName
230:
231: //----------------------------------------------------------------------------------
232: procedure TdlgHURegistration.SetLastName(LastName: String);
233: begin
234:    fLastName := LastName;
235: end;// procedure TdlgHURegistration.SetLastName
236:
237: //==================================================================================
238: function TdlgHURegistration.GetEmailAddress: String;
239: begin
240:   Result := fEmailAddress;
```

```
241: end;// function TdlgHURegistration.EmailAddress
242:
243: //-------------------------------------------------------------------------------
244: procedure TdlgHURegistration.SetEmailAddress(EmailAddress: String);
245: begin
246:     fEmailAddress := EmailAddress;
247: end;// procedure TdlgHURegistration.SetEmailAddress
248:
249: //===============================================================================
250: function TdlgHURegistration.GetCallsign: String;
251: begin
252:   Result := fCallsign;
253: end;// function TdlgHURegistration.GetCallsign
254:
255: //-------------------------------------------------------------------------------
256: procedure TdlgHURegistration.SetCallsign(Callsign: String);
257: begin
258:     fCallsign := Callsign;
259: end;// procedure TdlgHURegistration.SetCallsign
260:
261: //===============================================================================
262: function TdlgHURegistration.GetRegKey: String;
263: begin
264:   Result := fRegKey;
265: end;// function TdlgHURegistration.RegKey
266:
267: //-------------------------------------------------------------------------------
268: procedure TdlgHURegistration.SetRegKey(RegKey: String);
269: begin
270:     fRegKey := RegKey;
271: end;// procedure TdlgHURegistration.SetRegKeyID
272:
273: //===============================================================================
274: function TdlgHURegistration.GetUserID: String;
275: begin
276:   Result := fUserID;
277: end;// function TdlgHURegistration.UserID
278:
279: //-------------------------------------------------------------------------------
280: procedure TdlgHURegistration.SetUserID(UserID: String);
281: begin
282:     fUserID := UserID;
283: end;// procedure TdlgHURegistration.SetUserID
284:
285: //===============================================================================
286: function TdlgHURegistration.GetHideStep4: Boolean;
287: begin
288:   Result := fHideStep4;
289: end;// function TdlgHURegistration.HideStep4D
290:
291: //-------------------------------------------------------------------------------
292: procedure TdlgHURegistration.SetHideStep4(HideStep4: Boolean);
293: begin
294:     fHideStep4 := HideStep4;
295: end;// procedure TdlgHURegistration.SetHidestep4
296:
297: //===============================================================================
298: //          MENU ROUTINES
299: //===============================================================================
300:
```

```
301: //==============================================================================
302: //              COMMAND BUTTON ROUTINES
303: //==============================================================================
304: procedure TdlgHURegistration.bbtCancelClick(Sender: TObject);
305: begin
306:
307: end;// procedure TdlgHURegistration.bbtCancelClick
308:
309: //==============================================================================
310: procedure TdlgHURegistration.bbtRegIDClick(Sender: TObject);
311: begin
312:
313: end;// procedure TdlgHURegistration.bbtOKClick
314:
315: //==============================================================================
316: procedure TdlgHURegistration.bbtHelpClick(Sender: TObject);
317: begin
318:
319: end;// procedure TdlgHURegistration.BitBtn1Click
320:
321: //==============================================================================
322: //              CONTROL ROUTINES
323: //==============================================================================
324:
325: // KeyPress
326: procedure TdlgHURegistration.edtStep4KeyPress(Sender: TObject; var Key: char);
327: begin
328:     Key := ValidCallsignCharacter(Key);
329: end;// procedure TdlgHURegistration.edtCallsignKeyPress
330:
331: //==============================================================================
332: procedure TdlgHURegistration.edtEmailKeyPress(Sender: TObject; var Key: char);
333: begin
334:    Key := ValidEmailCharacter(Key);
335: end;// procedure TdlgHURegistration.edtEmailKeyPress
336:
337: //==============================================================================
338: procedure TdlgHURegistration.edtFirstNameKeyPress(Sender: TObject; var Key: char);
339: begin
340:    Key := ValidNameCharacter(Key);
341: end;// procedure TdlgHURegistration.edtFirstNameKeyPress
342:
343: //==============================================================================
344: procedure TdlgHURegistration.edtLastNameKeyPress(Sender: TObject; var Key: char);
345: begin
346:    Key := ValidNameCharacter(Key);
347:  end;// procedure TdlgHURegistration.edtLastNameKeyPress
348:
349: //==============================================================================
350: //              FILE ROUTINES
351: //==============================================================================
352:
353: //==============================================================================
354: //              FORM ROUTINES
355: //==============================================================================
356: procedure TdlgHURegistration.FormCreate(Sender: TObject);
357: begin
358:    pHideStep4 := False;
359: end;// procedure TdlgHURegistration.FormCreate
360:
```

```
361: //----------------------------------------------------------------------------
362: procedure TdlgHURegistration.FormShow(Sender: TObject);
363: begin
364:
365: end;// procedure TdlgHURegistration.FormShow
366:
367: //============================================================================
368: end.// unit HURegistration
369:
```