```pascal
  1: unit AppInit;
  2:
  3: {$mode objfpc}{$H+}
  4:
  5: //==============================================================================
  6: //
  7: // Unit : AppInit.pas
  8: //
  9: // Description :
 10: //
 11: // Called By TfrmMain.FormShow:
 12: //
 13: // Calls :  AppSettings : iniFileExists
 14: //                        ReadSettinsINIFile
 15: //                        pApplicationDirectory
 16: //          HUConstants
 17: //          HUMessageBoxes
 18: //          HUNagScreen : dlgHUNagScreen.ShowModal
 19: //          HURegistration : dlgHURegistration.ShowModal
 20: //          Main : TerminateApp
 21: //
 22: // Ver. : 1.0.0
 23: //
 24: // Date : 19 Apr 2019
 25: //
 26: //==============================================================================
 27:
 28: interface
 29:
 30: uses
 31:   Classes, Controls, Dialogs, FileUtil, SysUtils,
 32:   // Application Units
 33:   AppSettings,
 34:   // HULib Units
 35:   HUConstants, HUMessageBoxes, HUNagScreen, HURegistration;
 36:
 37: function Initialize : Boolean;
 38:
 39: implementation
 40:
 41: uses
 42:   Main;
 43:
 44: //==============================================================================
 45: //          PRIVATE CONSTANTS
 46: //==============================================================================
 47:
 48: //==============================================================================
 49: //          PUBLIC CONSTANTS
 50: //==============================================================================
 51:
 52: //==============================================================================
 53: //          PRIVATE VARIABLES
 54: //==============================================================================
 55:
 56: //==============================================================================
 57: //          PUBLIC VARIABLES
 58: //==============================================================================
 59:
 60: //==============================================================================
```

```pascal
 61: //           PRIVATE ROUTINES
 62: //=============================================================================
 63:
 64: //=============================================================================
 65: //           PUBLIC ROUTINES
 66: //=============================================================================
 67: function Initialize : Boolean;
 68: var
 69:   vstrTUserDir : string;
 70: begin
 71:
 72:   // If the UserDirectory does not exist, there are only two possibilities:
 73:   //
 74:   //   1. This is an initial installation and it has not been created yet; or,
 75:   //
 76:   //   2. It has somehow disappeared.
 77:   //
 78:   // We display an Error message and give the user the option of either creating
 79:   // the RVMasterLog user files or terminating appplication.
 80:
 81:   If not frmSettings.UserDataDirectoriesExist then
 82:   begin
 83:     showmessage('Major Error - No Data Directories found.');
 84:     Main.TerminateApp;
 85:   end;// if not frmSettings.UserDataDIrectoriesExist
 86:
 87:   // Generate a default file or load a save one
 88:   frmSettings.ReadSettingsINIFile;
 89:
 90:   dlgHUNagScreen.pDlgTitle := frmSettings.pAppName + '.exe';
 91:
 92:   if dlgHUNagScreen.ShowModal = mrYes then
 93:   begin
 94:       dlgHURegistration.GetREgistrationKey;
 95:       showmessage('RegID = ' + dlgHURegistration.pRegKey);
 96:   end
 97:   else
 98:     showmessage('Register Later');
 99:   // if dlgHUNagScreen.ShowModal = mrYes
100:
101:   Result := True;
102:
103: end;// function Initialize
104:
105: //=============================================================================
106: //           PROPERTY ROUTINES
107: //=============================================================================
108:
109: //=============================================================================
110: //           MENU ROUTINES
111: //=============================================================================
112:
113: //=============================================================================
114: //           FILE ROUTINES
115: //=============================================================================
116:
117: //=============================================================================
118: end.// unit AppInit
119:
```