```
namespace PDF_Binder
{
    using System;
    using System.Collections.Generic;
    using System.IO;
    using System.Linq;
    using System.Runtime.InteropServices.WindowsRuntime;
    using Windows.ApplicationModel;
    using Windows.ApplicationModel.Activation;
    using Windows.Foundation;
    using Windows.Foundation.Collections;
    using Windows.UI.Xaml;
    using Windows.UI.Xaml.Controls;
    using Windows.UI.Xaml.Controls.Primitives;
    using Windows.UI.Xaml.Data;
    using Windows.UI.Xaml.Input;
    using Windows.UI.Xaml.Media;
    using Windows.UI.Xaml.Media.Animation;
    using Windows.UI.Xaml.Navigation;

    // The Blank Application template is documented at http://
      go.microsoft.com/fwlink/?LinkId=234227
    /// <summary>
    /// Provides application-specific behavior to supplement the default
      Application class.
    /// </summary>
    public sealed partial class App : Application
    {
#if WINDOWS_PHONE_APP
        private TransitionCollection transitions;
#endif

        /// <summary>
        /// Initializes the singleton application object.  This is the first
           line of authored code
        /// executed, and as such is the logical equivalent of main() or
          WinMain().
        /// </summary>
        public App()
        {
            this.InitializeComponent();
            this.Suspending += this.OnSuspending;
        }

        /// <summary>
        /// Invoked when the application is launched normally by the end
          user.  Other entry points
        /// will be used when the application is launched to open a specific
           file, to display
        /// search results, and so forth.
        /// </summary>
        /// <param name="e">Details about the launch request and process.</
          param>
```

```
47          protected override void OnLaunched(LaunchActivatedEventArgs e)
48          {
49  #if DEBUG
50              if (System.Diagnostics.Debugger.IsAttached)
51              {
52                  this.DebugSettings.EnableFrameRateCounter = false;
53              }
54  #endif
55
56              Frame rootFrame = Window.Current.Content as Frame;
57
58              // Do not repeat app initialization when the Window already has
                  content,
59              // just ensure that the window is active
60              if (rootFrame == null)
61              {
62                  // Create a Frame to act as the navigation context and
                      navigate to the first page
63                  rootFrame = new Frame();
64
65                  rootFrame.DataContext = new
                      PDF_Binder.ViewModels.ApplicationViewModel();
66
67                  // TODO: change this value to a cache size that is
                      appropriate for your application
68                  rootFrame.CacheSize = 1;
69
70                  if (e.PreviousExecutionState ==
                      ApplicationExecutionState.Terminated)
71                  {
72                      // TODO: Load state from previously suspended
                        application
73                  }
74
75                  // Place the frame in the current Window
76                  Window.Current.Content = rootFrame;
77              }
78
79              if (rootFrame.Content == null)
80              {
81  #if WINDOWS_PHONE_APP
82                  // Removes the turnstile navigation for startup.
83                  if (rootFrame.ContentTransitions != null)
84                  {
85                      this.transitions = new TransitionCollection();
86                      foreach (var c in rootFrame.ContentTransitions)
87                      {
88                          this.transitions.Add(c);
89                      }
90                  }
91
92                  rootFrame.ContentTransitions = null;
93                  rootFrame.Navigated += this.RootFrame_FirstNavigated;
```

```
94  #endif
95
96                  // When the navigation stack isn't restored navigate to the
                      first page,
97                  // configuring the new page by passing required information
                      as a navigation
98                  // parameter
99                  if (!rootFrame.Navigate(typeof(MainPage), e.Arguments))
100                 {
101                     throw new Exception("Failed to create initial page");
102                 }
103             }
104
105             // Ensure the current window is active
106             Window.Current.Activate();
107         }
108
109 #if WINDOWS_PHONE_APP
110         /// <summary>
111         /// Restores the content transitions after the app has launched.
112         /// </summary>
113         /// <param name="sender">The object where the handler is attached.</
              param>
114         /// <param name="e">Details about the navigation event.</param>
115         private void RootFrame_FirstNavigated(object sender,
              NavigationEventArgs e)
116         {
117             var rootFrame = sender as Frame;
118             rootFrame.ContentTransitions = this.transitions ?? new
                  TransitionCollection() { new NavigationThemeTransition() };
119             rootFrame.Navigated -= this.RootFrame_FirstNavigated;
120         }
121 #endif
122
123         /// <summary>
124         /// Invoked when application execution is being suspended.
              Application state is saved
125         /// without knowing whether the application will be terminated or
              resumed with the contents
126         /// of memory still intact.
127         /// </summary>
128         /// <param name="sender">The source of the suspend request.</param>
129         /// <param name="e">Details about the suspend request.</param>
130         private void OnSuspending(object sender, SuspendingEventArgs e)
131         {
132             var deferral = e.SuspendingOperation.GetDeferral();
133
134             // TODO: Save application state and stop any background activity
135             deferral.Complete();
136         }
137     }
138 }
```