**WPF**

ns is short for namespace.

1. x:Class – specifies which .cs file to use as a start up file.
2. xmlns – defines namespace in which to resolve xml element names.
3. xmlns:x defines a qualified namespace for XAML specific elements. So if you want your element to be resolved within this namespace qualify it with x for example: <Label x:Name=”MyName”/>. Here the Label is an unqualified name so it will be recolved in the default namespace which is WPF. x:Name is a qualified name so it will be resolved within the XAML namespace.
4. xmlns:d – it is the WPF designer. It provides VS the right tools to display our xml code without having to build and run the application. So we can see the result of the XAML file live on our screen.