

Assignment 1 (10 points)

Assigned Date: March 2nd, 2015.

Due Date: March 23rd, 2015, 11:59 pm

For this assignment, you will use the Windows Presentation Framework to build a simple **Weather** application. Check out the Windows 8 weather application as an example. The user interface is totally upto you. Use WPF to design the UI---feel free to use data binding for the application. Here are the prerequisites for the application:

- (1) The app should start with a welcome screen where the user inputs the city name (in the US) that he wants to monitor the weather for. Your application needs to support only one city.
- (2) After inserting the city (say Columbia, MD), the app should use a webservice (there are several options and you can choose any one you want) to download information on present day temperature, present wind speed, the mean day temperature for the next five days.
- (3) The next time the app starts up, the application should show the recent weather attributes for the city that the user had input when the app was started the first time around.
- (4) The information should be displayed to the user in an aesthetically pleasing fashion. You can use the Windows 8 weather application or any other weather application as your reference.
- (5) The application should be a WPF application.
- (6) Generate a MSI for the application which somebody can download and install on their Windows machine.
- (7) **Extra Credit:** For extra 5 credits, your application must support an arbitrary number of cities, i.e., it should display weather information (again in an aesthetically pleasing fashion) for all the cities that the user inputs.

What you need to submit: (1) source code for the application (2) screen shots of your application (3) MSI for the application that a user can download and install. Your group must share a google site with me (nilanb@umbc.edu) and the grader

(rginsburg@umbc.edu), create a page called Assignment 1 and share the above three pieces of information on that page.