# Requirements

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| **No** | **Required** | **Status** |
| 1 | To use STL map |  |
| 2 | To use Binary Search Tree. ( For my assignment, I choose to use AVL Tree ). |  |
| 3 | To use Function Pointers in Binary Search Tree ( Traversals ). |  |
| 4 | Load Data from txt for multiple csv file path and load to structure |  |
| 5 | Able to filter dirty data(s) |  |
| 6 | Vector may be used. ( I have chosen to use custom Vector class from assignment 1. ) |  |
| 7 | To reload Menu options with by using Map and Tree |  |
| 8 | Replace Option 3 of assignment One in calculating sPCC combination of two data fields from user’s month input. This applies to all year of the data.   * Average Wind Speed (S) and Ambient Air Temperature (T). This is called S\_T. * Average Wind Speed (S) and Solar Radiation (R). This is called S\_R. * Ambient Air Temperature (T) and Solar Radiation (R). This is called T\_R. |  |
| 9 | Option 5, which when selected, enables reloading from the data/data\_source.txt file. Destroy the data in the map/bst. |  |
| 10 | Option 5, prompt user for input of different data files to be loaded |  |