**Group Project**

Step 1: Select any three sorting algorithm and two searching algorithms

Step 2: Understand the logic of all the algorithms

Step 3: Create java program and convert your algorithm into the source code

Step 4: Create a random function that generates input number for the same program

Step 5: You need to collect the output

Step 6: Create start transaction and end transaction point in your source code

Step 7: Calculate the time in milliseconds for each java program

Step 8: Compare the performance of each algorithm

**Project Deliverables**

* Create power point presentation for this project
* Mention team member’s name in slide 1
* Slide 2-7 should have pseudo code([Pseudo-Code](http://www.cs.bu.edu/~itkis/330/slides%2Bnotes/sort-algs.html)) for all your algorithms
* Slide 8-13 Insert the source code for all five algorithms or attached it and show the output screenshot
* Show the demo in the class
* Create last slide slide that shows performance comparison for each program
* Conclusion