Version Timeline

1. convertArrayToSTL\_v1
   1. converts string arrays (names and p2names) to unordered\_set containers
2. convertArrayToSTL\_v2a
   1. Converted unordered\_map to map, so I could sort on topPlayer container.
   2. Changed map topPlayer pair to (int, string) , so the container sorted the scores in descending order.
      1. map<int, string> topPlayer(pair(hiScore ,“name”)
   3. Problem: Couldn’t figure out how to find a person’s name when name was the value.
3. convertArrayToSTL\_v2b
   1. Changed map topPlayer pair to (string, int), so I could find a name
      1. map<string, int> topPlayer(pair(“name”, hiScore)
4. battleship\_v1\_BROKEN
   1. Version 1: Is based off my CIS 5 project 2 version 6 code.
   2. Added convertArrayToSTL\_v2b and it broke it.
5. battleship\_v2
   1. Version 2: Is based off my CIS 5 project 2 version 6 code.
   2. Ran the original code to make sure the game worked. Then I commented everything out and added convertArrayToSTL\_v2b. It works.
   3. Converted set2Upper() to use mutating algorithm. Updated getName() with set2Upper().
   4. Converted scores array to a set and then created a list with a couple of values, and then copied the set into the list using copy() and insert\_iterator.
6. convertArrayToSTL\_v3
   1. Converted scores array to a set and then created a list with a couple of values, and then copied the set into the list using copy() and insert\_iterator.
   2. Copied the updated setTopPlyrs() to battleship\_v2.
7. convertArrayToSTL\_v4
8. battleship\_v3
   1. Created shuffleThis(). It works on arrays, but not on a set container
   2. so I created getMin() and used std::min() to find the shortest name between 2 strings and then set player 2’s name in main().
9. To do: Figure out how to implement vector, list or forward\_list into my game.