COMP710: Studio Session 03 – Exercise:

EXERCISE NAME: *C++ – Using STL Containers and Iterators*

Add a new C++ Project named "Using STL Containers and Iterators" to your "SS03" Visual Studio Solution for this exercise.

Complete the following steps:

1) Add a `main.cpp` to the project.

2) Create a `std::vector` of `int`s. Push a variety of integer values into the container.

3) Next, iterate through the container and print out the contents of each element in the container.

4) Then write code to do the same operations with the `std::stack`, and `std::queue`. Experiment with each type of container.

Finally, `#include` the `<algorithm>` header file, and try experimenting with the `std::sort` and `std::random_shuffle` functions on the `std::vector` container created in step 2.

Once complete, commit your program's source code to your individual SVN folder – include the `.sln`, `.vcxproj`, `.cpp` and `.h` files, and ensure you do not commit any build output files.