Creative Software Design, Assignment 14-1

Deadline: 2024-11-29 23:59 (No score for late submission)

- Submit your homework by uploading your zip file to the LMS assignment section. Below is an example.

```
13178_Assignment1-1_2024123456.zip
├── 1.cc
├── 2.cc
├── 3.cc
└── ...
```

- Your zip file name should follow this format:
  13178_Assignment[Assignment-number]_[Student-ID].zip

  - Ex. 13178_Assignment1-1_2024123456.zip

- Source files should be named as **<filename>.cc _or_ <filename>.cpp**

- **You must submit your solution in the zip file before the deadline.**

1. **Preventing Memory Leaks in C++ Exception Handling Using unique_ptr**

   A. **Task Overview**

      Recall that C++ exception handling mechanism can make memory leak if cleaning up for memory is not properly implemented. Use unique_ptr to prevent memory leak in the example code at 32nd slide of Week 12 Exception-Handling lecture slides

   B. Submission file: one C++ source file (File name: 1.**cc** <u>or</u> 1.**cpp**)