Logo

Description automatically generated

**22/SU-COP-2805C-72035 Java Programming**

**Exercise 13.8**

Document Version: 0.1

Version Date: July 9, 2022

Created By: Johnathan Webster

# Document Version Control

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| --- | --- | --- | --- |
| Version | Date | Author | Rationale |
| 0.1 | 2022 July 9 | Johnathan Webster | First Draft |

# Document Purpose

The purpose of this document is to define the updated ReviseMyStack() class.

# Technical Specifications

## Purpose of Technical Implementation

The purpose of this implementation is to create a deep copy of an array.

## Technical Implementation Components

The class implementation allows the designer to copy an arraylist and maintain the previous list without altering its data anything. This allows the designer to for instance modify the arraylist without altering the original.

This is done by overriding the clone method defined in the Object class.

 @Override /\**\**

*\* Override the protected clone method define in*

*\* the Object class, and strengthen its accessibility*

\*/

*public* Object *clone*() *throws* CloneNotSupportedException {

        // *Perform a shollow copy*

        MyStack myStackClone = (MyStack) super.*clone*();

        // *Deep copy list*

        myStackClone.*list* = *copyList*();

*return* myStackClone;

    }

## ReviseMyStack Class Implementation

The implementation of this class allows the designer the ability to copy the entirety of an arraylist and change its information without altering the original.