

Class CMPS 261
Section 001
Problem Programming Assignment #5
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I. Requirements Documentation

I.1 Description of the Problem

Name: STL-ish Matrix Implementation

Problem Statement: Complete the implementation of a Matrix Container Class following SGI's Standard Template Library conventions.

Problem Specification: The solution must include a driver to test the integrity of the implementation. The Matrix is assumed to be a static structure and any attempts to access cells beyond the bounds of the declaration will produce errors.

I.2 Input Information

I.2.1 Input Streams

Name: N/A

Description: N/A

Format: N/A

Size: N/A

Sample: N/A

I.2.2 Input Items

Description: N/A

Type: N/A

Range of acceptable values: N/A

I.3 Output Information

I.3.1 Output Streams

Name: cout

Description: Used to output various tests of the functions within the Matrix Container Class

Format: Text

Size: Depends on the information currently being tested

Sample: N/A

I.3.2 Output Items

Description: N/A

Type: N/A

Range of acceptable values: N/A

I.4 User Interface Information

I.4.1 Description

The program will not have a menu, nor will it prompt the user for any information. The program's sole responsibility is to test the various member functions found within the Matrix Container Class implementation for their correctness. No other information will be used or displayed.