**CS311 Yoshii HW1P3- Matrix (based on Notes-3A)**

**DUE: Week 4 Wednesday (this one is due early)**

**You shall not email me to submit HW**

**TOTAL: 7 pts Your score is:**

**Your name: Carter Rath**

**Date turned in: 09/22/2021**

**PROGRAM: Matrix and File I/O [7]**

**=============================================================**

**Correctness:**

**Test results (always required):**

**Total 5 points:**

**State of your program: [2]**

**Does it compile? If not explain: Yes, it compiles.**

**Does it run without errors? If not explain: Yes, no errors.**

**This program will help you learn to read from an input file into a matrix of vectors**

**and outputs the content to a file.**

**By doing this assignment, you will learn not just matrices but also how to input from and output to a file, and how to pass a stream to a function.**

**This is useful for storing grammar rules in classes such as CS421.**

**For example, a grammar rule might be**

**a -> b e d**

**Look at the file mat.cpp I have provided. Study it carefully. Be sure to read @@read-me.**

Run **my mat.out** with **lines.txt** as the input file to see how your program should work.

Record test results into **Test.txt.**

**SUBMIT THESE 4 FILES: DO NOT SUBMIT UNLESS IT WORKS PERFECTLY**

1. **This assignment sheet**
2. **mat.cpp**
3. **Test.txt script of compilation and test results (one run)**
4. **Table.txt**