Nicolas Hernandez

Project 4

CMSC 350

Diagram

Description automatically generated

|  |  |  |
| --- | --- | --- |
| Input | Output | Pass / Fail |
| graph with circular dependencies |  | Pass |
| graph with no circular dependencies |  | Pass |
| graph with unreachable classes |  | Pass |
| graph with no unreachable classes | Text  Description automatically generated | Pass |

This week’s project I learned how to write a program that accepts information contained in a file about the class dependencies in a Java program and create a directed graph from that information. This was an interesting project that graphed which classes were dependent on other classes, including classes that were not reachable by the other classes. This is an important representation of the relationships between classes within a data structure. This is essential to have an efficient data structure in regards to organization and storage.