

## CS 173 ADT Assignment

Make an object oriented design for a program that allows users to declare variables of type “Matrix.” You can design the program to accommodate 3 X 3 matrices. Users should be able to add and multiply matrices, and to find the transpose of a matrix and the determinant.

Implement your design using three files: a header file for the matrix class, a source file for the matrix class, and a user program that declares some matrices and tries out all of the operations provided by the matrix class.

Design a set of tests to perform on the program to build confidence that the program is correct. You should plan to test each individual function, as well as the program as a whole.

Your design is due on October 10 and the implementation on October 13.