Madeleine Monfort
COP3530
10/12/15

Sparse Matrix

Testing:

STEP 1
newly implemented chain class had to be tested.

Test	Result	Pass/Fail
inserting into empty chain	inserts element	P
inserting at beginning	inserts element at beginning	P
inserting at end	inserts element at end	P
inserting in middle	inserts element in middle	P
inserting too far (needs to be able to-because sparse matrix)	inserts element in correct position, increasing in column number	P
printing	prints correctly the column and element	P
getting size	gets correct size	P

STEP 2
sparse matrix function-read and print need to be tested.

Test	Result	Pass/Fail
takes in matrix in correct format	it prints out prompts the same way as in the example, and reads everything in same order	P
creates sparse matrix	it did, and this was seen when printed out	P
creates sparse matrix with no non-zero values	prints out empty matrix	P
trying to take in element with column too large for indicated sparse matrix	prints out appropriate error messages and allows you to enter again	P
trying to take in too many elements (more than one per column)	prints out appropriate error message and allows you to enter again	P
trying to insert into a negative column	prints out appropriate error message and allows you to enter again	P

STEP 3
sparse matrix function-mask needs to be tested.

Test	Result	Pass/Fail
use test case given	outputs same result as given	P
try all empty sparse matrices	outputs empty c matrix	P