Deliverable one for CS 1632

**List of Defects**

Requirement 1 - The game is only a 5 by 5 matrix instead of 6 by 6 as stated in the first req.

Requirement 7 - When an input < -2147483648 or > 2147483647 is entered, the program throws an exception and does not run. Instead, it should act as if no value has been entered and should proceed.

Requirement 5 - In the 5th column of the matrix, entering ‘E’ or ‘e’ to move East results in an exception.

**Test Cases (written in order of appearance on project sheet)**

Matrix-Size-Test

* 6 by 6 matrix means that player should be able to move 5 spaces East, South, West, or North from their initial position. However, player is only able to move 4 spaces
* S S S S and you will hit a wall.

Invalid-Movement-Test

* Input “Laboon” and invalid input message will be shown

CaseInsensitive-Input-Test

* Use ‘s’ to symbolize moving South

ExistingRoom-Movement-Test

* At initial position, use ‘S’ to symbolize moving South into an existing room

NonExistentRoom-Movement-Test

* At initial position, use ‘W’ to symbolize moving West into a nonexisting room

Seed-Input-Test

* Use 678908 as seed

Seed-Input2-Test

* Use -53720462 as seed

InvalidSeed-Input-Test

* Use seed 2147483648 to cause exception

InvalidSeed-Input2-Test

* Use seed 263knf2e2 to cause exception (alphanumeric string)

NonExistentRoom-TAMovement-Test

* Use seed 455019788
* E and you will see the message about hearing a thud and TA running hitting a wall

StudentProfessor-HasHomework-Test

* Use seed 455019788
* E E E S S S and you’ll get the assignment and win

StudentProfessor-DoesNotHaveHomework-Test

* Use seed 455019788
* E E E E W and you will encounter Professor Wumpus and lose

StudentProfessor-LocatedDirectly-Test

* Use seed 50000
* E and you will see the message about Professor Wumpus pontificating

StudentTA-LocatedDirectly-Test

* Use seed 69
* S S and you will see message about shuffling of graded papers