Exercise - 2

```
The lines in polygon 1 are:
        Line 1:  starts at (20, 30), and ends at (50, 100)
        Line 2:  starts at (50, 100), and ends at (105, 30)
        Line 3:  starts at (105, 30), and ends at (20, 30)
The perimeter of the polygon 1 is 250.18:
The lines in polygon 2 are:
        Line 4:  starts at (120, 130), and ends at (150, 200)
        Line 5:  starts at (150, 200), and ends at (200, 130)
        Line 6:  starts at (200, 130), and ends at (120, 130)
The perimeter of the polygon 2 is 242.18:
The lines in polygon 3 are:
        Line 7:  starts at (320, 330), and ends at (250, 400)
        Line 8:  starts at (250, 400), and ends at (400, 330)
        Line 9:  starts at (400, 330), and ends at (320, 330)
The perimeter of the polygon 3 is 344.52:
```
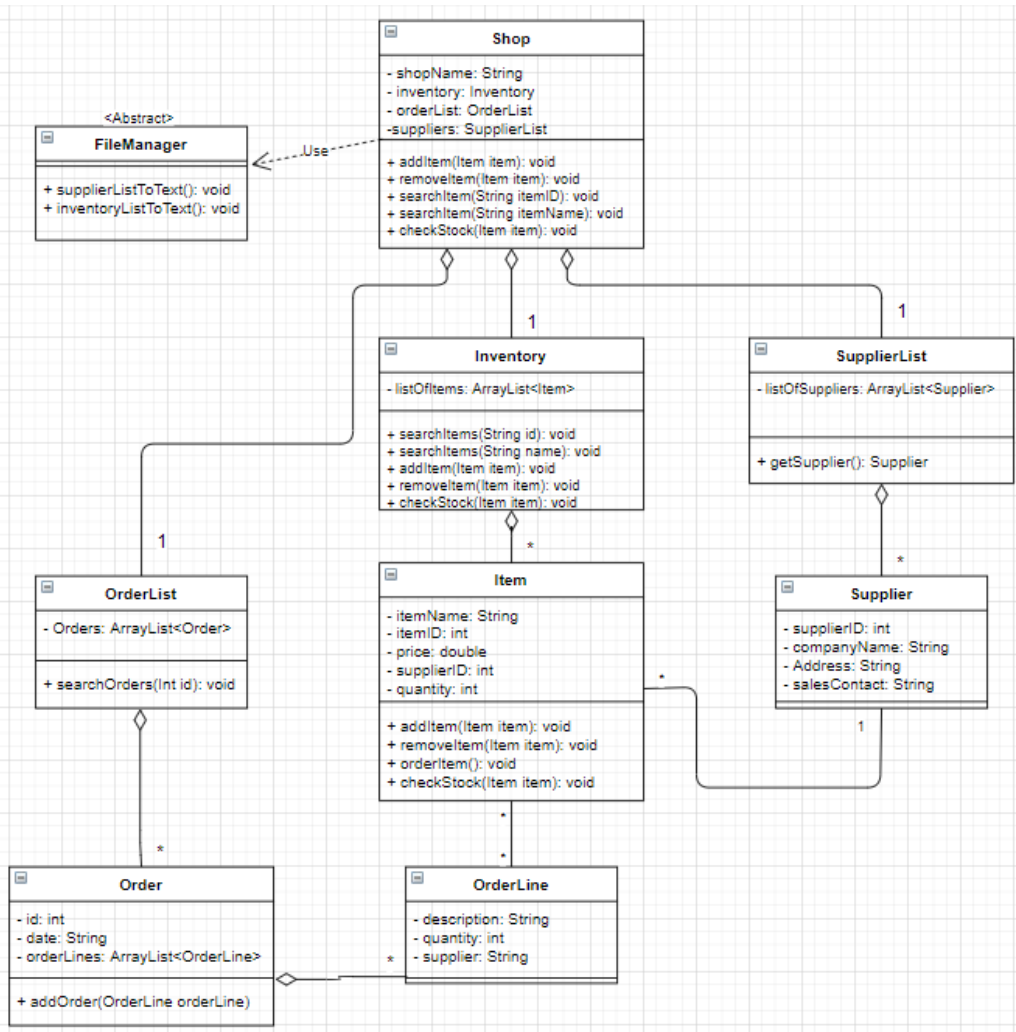
Exercise - 3

Exercise - 4

```
Please enter the name of the 'X' player: Player 1

Please enter the name of the 'O' player: Player 2


Referee has started the game...

         |col 0|col 1|col 2
         +-----+-----+-----+
         |     |     |     |
  row 0  |     |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 1  |     |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 2  |     |     |     |
         |     |     |     |
         +-----+-----+-----+

Please enter the row that your marker should be placed in:0

Please enter the column that your marker should be placed in:0
         |col 0|col 1|col 2
         +-----+-----+-----+
         |     |     |     |
  row 0  |  X  |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 1  |     |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 2  |     |     |     |
         |     |     |     |
         +-----+-----+-----+


Please enter the row that your marker should be placed in:1

Please enter the column that your marker should be placed in:0
         |col 0|col 1|col 2
         +-----+-----+-----+
         |     |     |     |
  row 0  |  X  |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 1  |  O  |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 2  |     |     |     |
         |     |     |     |
         +-----+-----+-----+

Please enter the row that your marker should be placed in:1

Please enter the column that your marker should be placed in:1
         |col 0|col 1|col 2
         +-----+-----+-----+
         |     |     |     |
  row 0  |  X  |     |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 1  |  O  |  X  |     |
         |     |     |     |
         +-----+-----+-----+
         |     |     |     |
  row 2  |     |     |     |
         |     |     |     |
         +-----+-----+-----+
```

```
Please enter the row that your marker should be placed in:2

Please enter the column that your marker should be placed in:2
        |col 0|col 1|col 2
        +-----+-----+-----+
        |     |     |     |
  row 0 |  X  |     |     |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 1 |  O  |  X  |     |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 2 |     |     |  O  |
        |     |     |     |
        +-----+-----+-----+

Please enter the row that your marker should be placed in:0

Please enter the column that your marker should be placed in:2
        |col 0|col 1|col 2
        +-----+-----+-----+
        |     |     |     |
  row 0 |  X  |     |  X  |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 1 |  O  |  X  |     |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 2 |     |     |  O  |
        |     |     |     |
        +-----+-----+-----+


Please enter the row that your marker should be placed in:2

Please enter the column that your marker should be placed in:0
        |col 0|col 1|col 2
        +-----+-----+-----+
        |     |     |     |
  row 0 |  X  |     |  X  |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 1 |  O  |  X  |     |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 2 |  O  |     |  O  |
        |     |     |     |
        +-----+-----+-----+

Please enter the row that your marker should be placed in:0

Please enter the column that your marker should be placed in:1
|       |col 0|col 1|col 2
        +-----+-----+-----+
        |     |     |     |
  row 0 |  X  |  X  |  X  |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 1 |  O  |  X  |     |
        |     |     |     |
        +-----+-----+-----+
        |     |     |     |
  row 2 |  O  |     |  O  |
        |     |     |     |
        +-----+-----+-----+

THE GAME IS OVER: The winner is Player 1!

Game Ended...
```