

Trevor Zellmer
Intermediate Java
Week 11 practice problems

I tested the program with both valid and invalid inputs. It handles errors as it should. The program output matches the example output given in the instructions. Everything seems to work as intended.

```
Fish swam: 3.0 feet.  
goldenFish: (3.00, 0.00)  
Frog jumped: 5.0 feet.  
greenFrog: (0.00, 5.00)  
Bird flew: 7.1 feet.  
whiteBird: (5.00, 5.00)  
  
1. Fish with id="coolfish" at position(1.0, 1.0)  
2. Frog with id="smilefrog" at position(-3.5, 2.0)  
3. Bird with id="angrybird" at position(5.0, -5.2)  
4. Quit  
  
Choose an animal from the list to move: 1  
Fish swam: 3.0 feet.  
Fish with id="coolfish" at position(4.0, 1.0)  
  
Choose an animal from the list to move: 2  
Frog jumped: 5.0 feet.  
Frog with id="smilefrog" at position(-3.5, 7.0)  
  
Choose an animal from the list to move: 3  
Bird flew: 7.1 feet.  
Bird with id="angrybird" at position(10.0, -0.2)  
  
Choose an animal from the list to move: 4  
The distance from coolfish to smilefrog is:  
9.60  
The distance from coolfish to angrybird is:  
6.12  
The distance from smilefrog to angrybird is:  
15.30  
[rem11ez@archtop intermediate]$
```

```
Fish swam: 3.0 feet.  
goldenFish: (3.00, 0.00)  
Frog jumped: 5.0 feet.  
greenFrog: (0.00, 5.00)  
Bird flew: 7.1 feet.  
whiteBird: (5.00, 5.00)
```

1. Fish with id="coolfish" at position(1.0, 1.0)
2. Frog with id="smilefrog" at position(-3.5, 2.0)
3. Bird with id="angrybird" at position(5.0, -5.2)
4. Quit

```
Choose an animal from the list to move: a  
Invalid input! Try again!
```

```
Choose an animal from the list to move: -1  
Invalid input! Try again!
```

```
Choose an animal from the list to move: #  
Invalid input! Try again!
```

```
Choose an animal from the list to move: 4  
The distance from coolfish to smilefrog is:  
4.61  
The distance from coolfish to angrybird is:  
7.38  
The distance from smilefrog to angrybird is:  
11.14
```

```
[remillez@archtop intermediate]$
```