# Class Diagrams:

## Seller Tool

| **Class:** Seller | **Class:** LoadFile | **Class:** Bones | **Class:** Coordinate |
|---|---|---|---|
| **Attributes:** **Scanner** input **ArrayList** coordList,boneList **String** shopName **LoadFile** file | **Attributes:** **Scanner** fileContents **Formatter** formatter | **Attributes:** **boolean** isAvailable **int** age, mapX, mapY, id **float** price, length, width, height, weight, latitude, longitude **String** condition, origin, prospector,name **Scanner** input | **Attributes:** **int** longitudeMap,latitudeMap, landOrWaterMap, available **double** longitudeGlobe, latitudeGlobe |
| **Methods:** menu() loadMap() handleBone() displayMap() integrateBonesWithMap() saveFile() | **Methods:** loadBones() | **Methods:** create() newLat(), newLong(), newPrice() setLatitude(), setLongitude() getID(), getMapX(), getMapY toString() | **Methods:** loadMap() getVals() longToX() latToY() |

# Buyer Tool

| Class:<br>Buyer | Class:<br>LoadFile | Class:<br>Bones | Class:<br>Coordinate |
|---|---|---|---|
| **Attributes:**<br>**Scanner** input<br>**ArrayList** coordList,boneList<br>**LoadFile** file | **Attributes:**<br>**Scanner** fileContents<br>**Formatter** formatter | **Attributes:**<br>**boolean** isAvailable<br>**int** age, mapX, mapY, id<br>**float** price, length, width, height, weight,<br>latitude, longitude<br>**String** condition, origin, prospector,name<br>**Scanner** input | **Attributes:**<br>**int** longitudeMap,latitudeMap,<br>landOrWaterMap, available<br>**double** longitudeGlobe,<br>latitudeGlobe |
| **Methods:**<br>menu()<br>loadMap()<br>displayMap()<br>buyBone()<br>integrateBonesWithMap()<br>saveFile() | **Methods:**<br>loadBones() | **Methods:**<br>getID(), getMapX(), getMapY<br>toString() | **Methods:**<br>loadMap()<br>getVals()<br>longToX()<br>latToY() |