

```

1  package hyperDap.base.types.dataSet;
2
3  import java.util.ArrayList;
4  import hyperDap.base.types.value.ValuePair;
5
6  /**
7   * An implementation of {@link ValueDataSet} that holds a {@link ValuePair} as the
8   * dependentValue.
9   * <p>
10  * It should be used when independent values must be recorded exactly and are evenly
11  * distributed,
12  * but are not consistently equidistant.
13  * <p>
14  * If values are equidistant consider using {@link ValueDataSet}. If they are not
15  * evenly distributed
16  * attempt to find a HashMap implementation of {@link DataSet}.
17  *
18  * @author soenk
19  *
20  * @param <T> The type of {@link ValuePair} which must extend {@link Number}
21  */
22 public class PairDataSet<T extends Number> extends ValueDataSet<T> {
23
24     protected ArrayList<ValuePair<T>> values;
25
26     public PairDataSet(Number base, Number step, Number yPrecision) {
27         super(base, step, yPrecision);
28         this.values = new ArrayList<ValuePair<T>>();
29     }
30 }

```