```java
package proj5;

/**
 * A bag of synonym objects that holds synonyms of a word
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 * version: 6/3/2020
 */
public class SynonymsList implements Comparable<SynonymsList> {

    // instance variables
    private String keyword;
    private GenericContainableBag<Synonym> synonyms;

    /**
     * Contain a keyword following by its synonyms
     * @param keyword the keyword
     * @param synonyms list of synonyms
     */
    public SynonymsList(String keyword, String[] synonyms) {
        this.keyword = keyword;
        this.synonyms = new GenericContainableBag<Synonym>(synonyms.length);
        for (int i = 0; i < synonyms.length; i++) {
            Synonym toAdd = new Synonym(synonyms[i]);
            this.synonyms.add(toAdd);
        }
    }

    /**
     * @return the keyword of the synonyms list
     */
    public String getKeyword() {
        return this.keyword;
    }

    /**
     * @return a random synonym
     */
    public Synonym getSynonym() {
        return this.synonyms.grabRandom();
    }
```

```
41
42      /**
43       * add new synonym to this synonyms list
44       * @param synonym a new synonym
45       */
46      public void add(String synonym) {
47          Synonym toAdd = new Synonym(synonym);
48          synonyms.add(toAdd);
49      }
50
51      /**
52       * compare two lists of synonyms by theirs
   keywords
53       * @param other another list of synonyms
54       * @return compareTo of theirs keywords
55       */
56      public int compareTo(SynonymsList other) {
57          return keyword.compareTo(other.keyword);
58      }
59
60      /**
61       * @return string representation of a list of
   synonyms of a word
62       */
63      public String toString() {
64          String toReturn =  keyword + " - " + synonyms
    + "\n";
65          return toReturn;
66      }
67  }
68
```