Multimap Exercise

A multimap is a data structure that allows us to map more than one value to a key. For example, given the key value 10, if you insert into the multimap the values {10, a} and {10, b}, the key value 10 will be associated with a collection containing the values {a, b}. Write an implementation for a Multimap class. Some of the methods you can have are described below.

1. put(K key, V value) \rightarrow adds the pair to the map
2. Collection<V> get(K key) \rightarrow returns a collection with the values associated with the key
3. size() \rightarrow number of key-value pairs
4. remove(Object key, Object value)
5. How would you implement an iterator for the multimap?