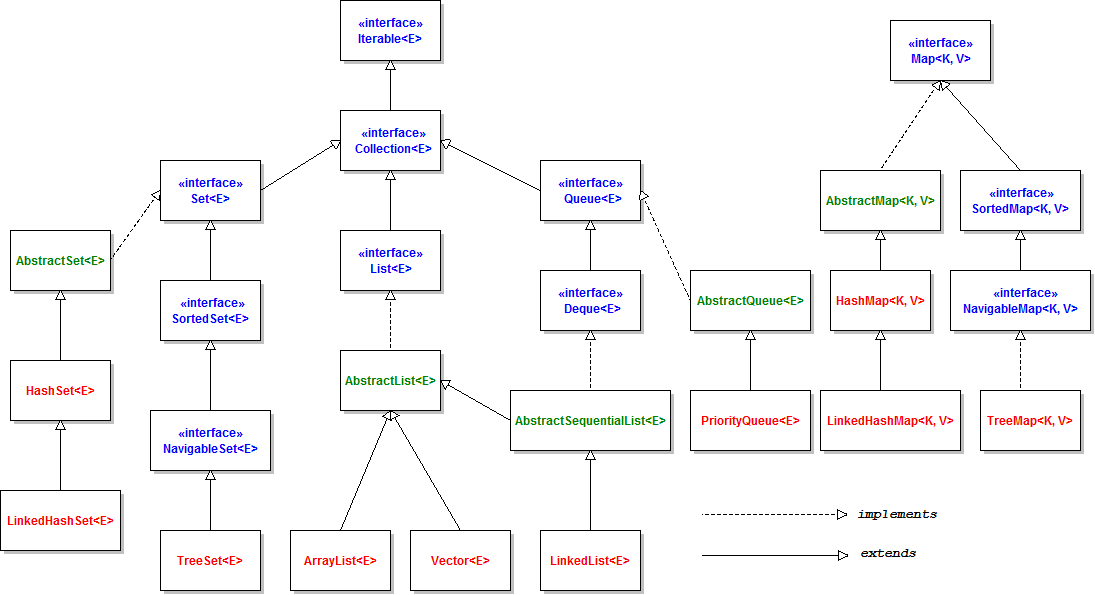
**Collection Framework**:

* Set of reusable data structures (List, Set, Queue, Map, etc) and algorithms (adding elements, sorting etc.), that are to designed to free programmers from implementing data structures themselves and instead focus on business logic.

**Overview:**

****

**Collection:**

**Collections:**

It’s a class.

**Concrete classes:**

There are 7 concrete classes available in collections:

1. ArrayList
2. LinkedList
3. ArrayDeque
4. PriorityQueue
5. TreeSet
6. HashSet
7. LinkedHashSet

Map

**Fail fast and Fail safe:**

* The fail fast iterators immediately throw concurrentModificationException in case of any structural modification (adding, removing, updating element of the data collection while another thread is iterating over that collection).
* The fails safe iterators does not throw any exception in case of any structural modification. This is due to the fact, that fail safe iterator operates on the copy of the original collection object and not the original. Any change in the original does not affect the copy.