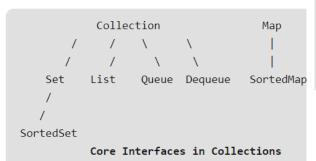
Types in Java: Primitives = Built in types & Reference types (Strings)

- -A Class in OOP = most fundamental mechanism to build (ADTs) Abstract Data Types.
- -ADTs are used to somehow physically construct a concept.
- -A Class type creates a single entity Values (Properties) & Functions (Methods)
- -Properties = Attributes & States. Methods = Actions

Hierarchy of Collection Framework



Set	Doesn't allow duplicates.
	Set interface = HashSet (Hashing based) & TreeSet (balanced BST based).
	TreeSet implements SortedSet .
List	Contain duplicates & elements are ordered.
	<pre>= LinkedList (linked list based) and ArrayList (dynamic array based)</pre>
Queue	Typically FIFO elements except exceptions like PriorityQueue.
Deque	Elements are inserted & removed at both ends. Allows both LIFO and FIFO.
Мар	Contains Key value pairs. No duplicates.
	= <u>HashMap</u> and TreeMap. <u>TreeMap</u> implements SortedMap .

Sets = Keys & No Duplicates

List = Duplicates & Ordered -> LinkedList & ArrayList

Queue= FIFO Elements || PriorityQueue

Dequeue= LIFO & FIFO with Insertion/Removal

Map= Key Value Pairs (Key/Lock) & No Duplicates