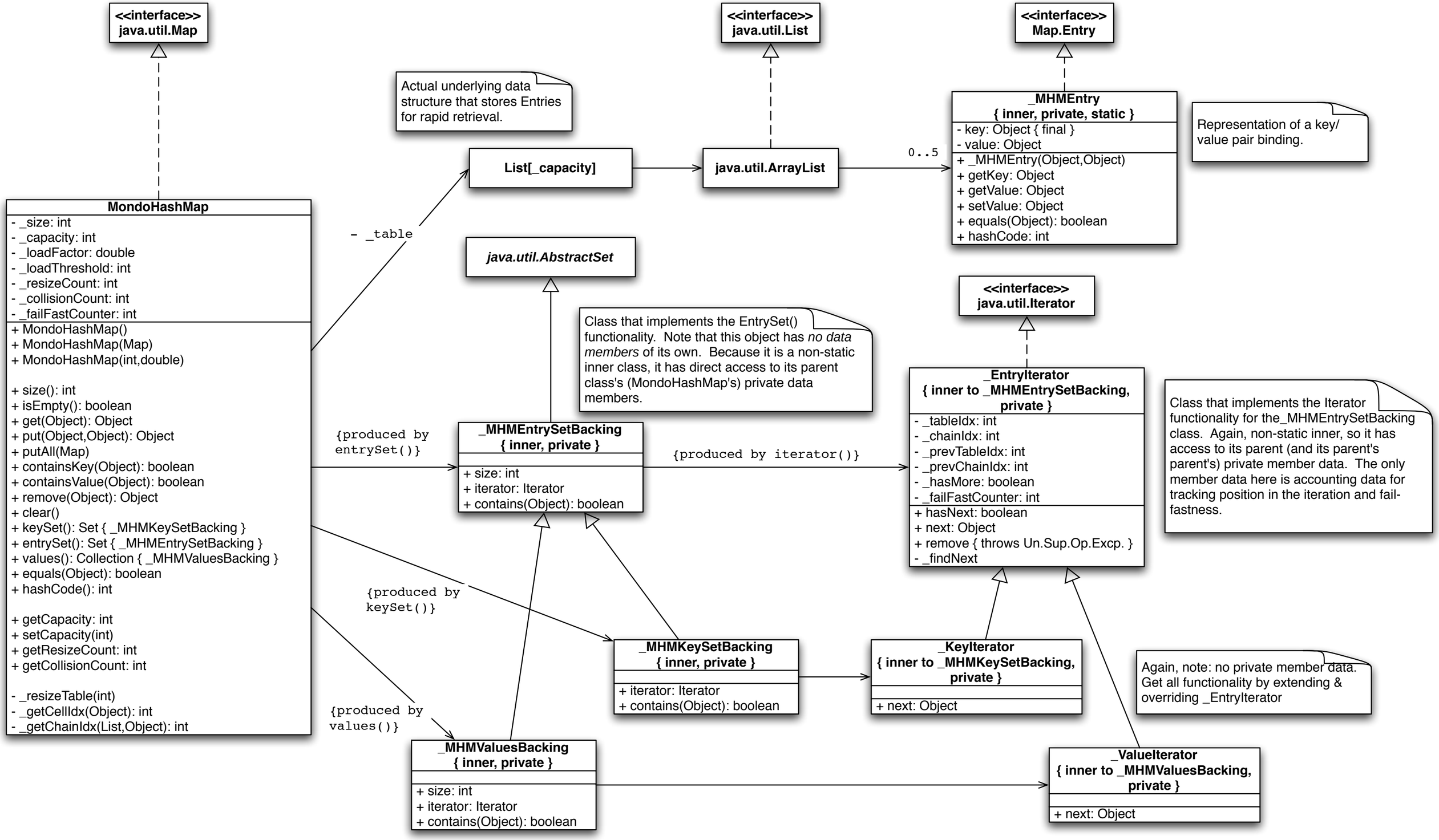
<<interface>>
java.util.Map
<<interface>>
java.util.List
<<interface>>
Map.Entry
Actual underlying data structure that stores Entries for rapid retrieval.
List[_capacity]
java.util.ArrayList
0..5
_MHMEntry
{ inner, private, static }
- key: Object { final }
- value: Object
+ _MHMEntry(Object,Object)
+ getKey: Object
+ getValue: Object
+ setValue: Object
+ equals(Object): boolean
+ hashCode: int
Representation of a key/ value pair binding.
MondoHashMap
- _size: int
- _capacity: int
- _loadFactor: double
- _loadThreshold: int
- _resizeCount: int
- _collisionCount: int
- _failFastCounter: int
+ MondoHashMap()
+ MondoHashMap(Map)
+ MondoHashMap(int,double)
+ size(): int
+ isEmpty(): boolean
+ get(Object): Object
+ put(Object,Object): Object
+ putAll(Map)
+ containsKey(Object): boolean
+ containsValue(Object): boolean
+ remove(Object): Object
+ clear()
+ keySet(): Set { _MHMKeySetBacking }
+ entrySet(): Set { _MHMEntrySetBacking }
+ values(): Collection { _MHMValuesBacking }
+ equals(Object): boolean
+ hashCode(): int
+ getCapacity: int
+ setCapacity(int)
+ getResizeCount: int
+ getCollisionCount: int
- _resizeTable(int)
- _getCellIdx(Object): int
- _getChainIdx(List,Object): int
- _table
java.util.AbstractSet
Class that implements the EntrySet() functionality. Note that this object has *no data members* of its own. Because it is a non-static inner class, it has direct access to its parent class's (MondoHashMap's) private data members.
<<interface>>
java.util.Iterator
_EntryIterator
{ inner to _MHMEntrySetBacking, private }
- _tableIdx: int
- _chainIdx: int
- _prevTableIdx: int
- _prevChainIdx: int
- _hasMore: boolean
- _failFastCounter: int
+ hasNext: boolean
+ next: Object
+ remove { throws Un.Sup.Op.Excp. }
- _findNext
Class that implements the Iterator functionality for the_MHMEntrySetBacking class. Again, non-static inner, so it has access to its parent (and its parent's parent's) private member data. The only member data here is accounting data for tracking position in the iteration and fail-fastness.
{produced by entrySet()}
_MHMEntrySetBacking
{ inner, private }
+ size: int
+ iterator: Iterator
+ contains(Object): boolean
{produced by iterator()}
{produced by keySet()}
_MHMKeySetBacking
{ inner, private }
+ iterator: Iterator
+ contains(Object): boolean
_KeyIterator
{ inner to _MHMKeySetBacking, private }
+ next: Object
Again, note: no private member data. Get all functionality by extending & overriding _EntryIterator
{produced by values()}
_MHMValuesBacking
{ inner, private }
+ size: int
+ iterator: Iterator
+ contains(Object): boolean
_ValueIterator
{ inner to _MHMValuesBacking, private }
+ next: Object