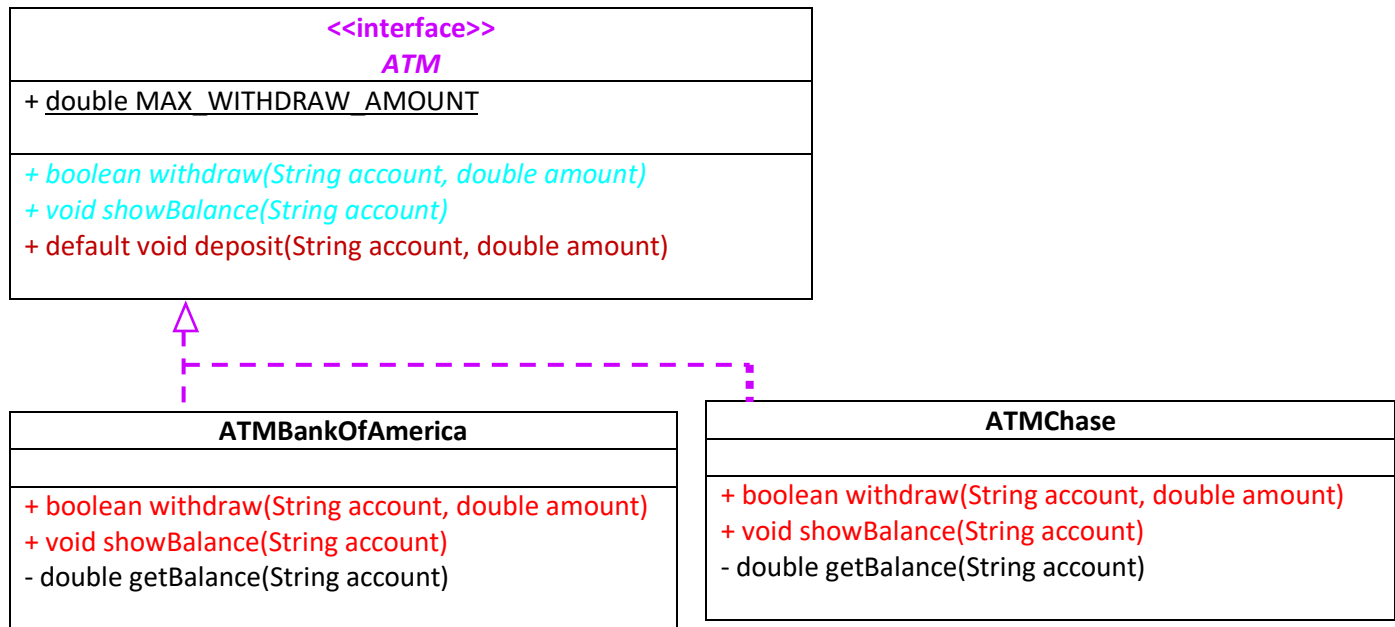


ATM Inheritance Hierarchy



`<<interface>>`: the construct **ATM** is an interface. The interface name is marked in *italic*.

----- dashed line: a class implements an interface

The `withdraw(...)` method in **ATM** interface is *abstract* and marked in *italic*.

The `deposit(...)` method in **ATM** interface is **default method**. There is no special notation in the UML diagram.

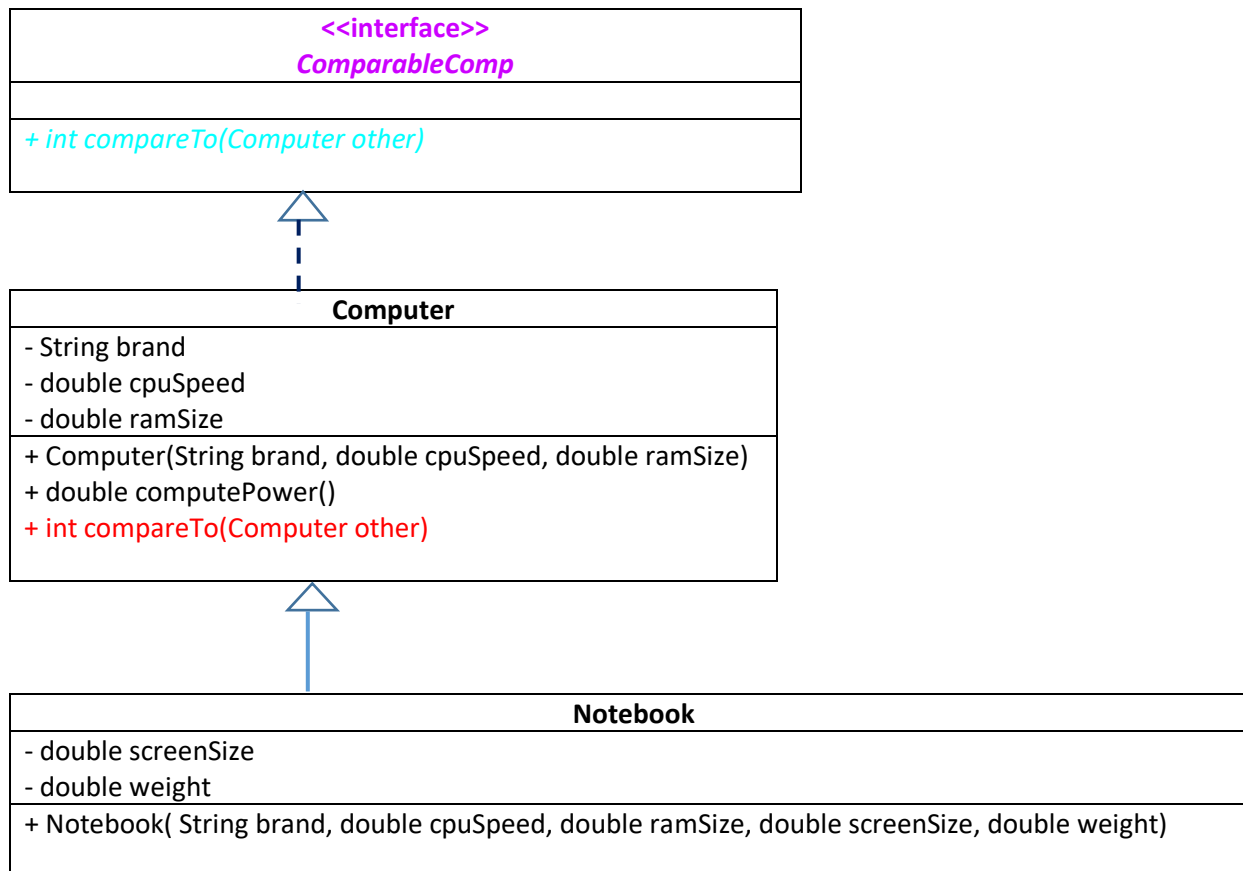
The `withdraw(...)` method shows **method overriding** (concrete method overrides abstract method) in Java.

+ means public; - means private

Underlined means static method or static data field

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Simplified Computer Inheritance Hierarchy with Interface ComparableComp



<<interface>>: the construct **ComparableComp** is an interface. The interface name is marked in *italic*.

----- dashed line: a class implements an interface

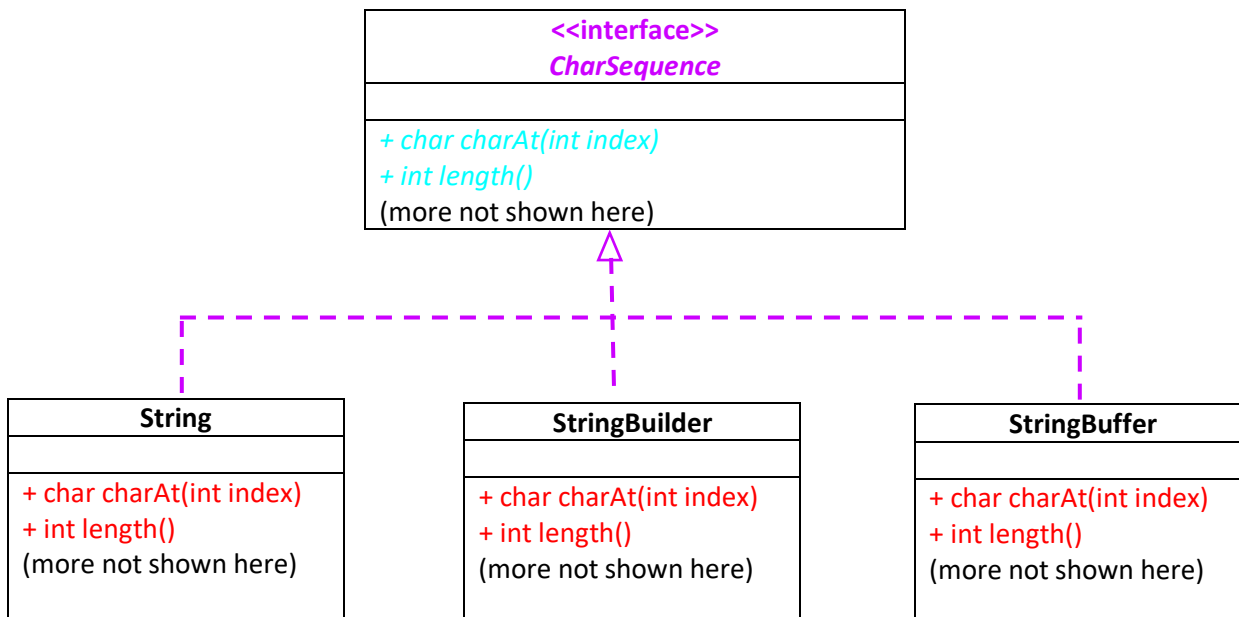
The `compareTo(...)` method in **ComparableComp** interface is *abstract* and marked in *italic*.

The `compareTo(...)` method shows **method overriding** (concrete method overrides abstract method) in Java.

+ means public; - means private

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CharSequence Inheritance Hierarchy in Java API 11



CharSequence interface

- A `CharSequence` is a readable sequence of `char` values.
- This interface provides uniform, read-only access to many different kinds of `char` sequences.

Classes that implement `CharSequence` interface:

- **String** – Immutable a sequence of characters
- **StringBuilder**
 - A mutable sequence of characters.
 - This class provides an API compatible with `StringBuffer`, but with no guarantee of synchronization.
- **StringBuffer**
 - A mutable sequence of characters that supports synchronization for concurrent thread execution

<<interface>>: the construct `CharSequence` is an interface. The interface name is marked in *italic*.

----- dashed line: a class implements an interface

The `charAt(...)`, `length()` methods in **CharSequence** interface are *abstract* and marked in *italic*.

The `charAt(...)`, `length()` methods in classes **String**, **StringBuilder**, **StringBuffer** show **method overriding** (concrete method overrides abstract method) in Java.

+ means public;

- means private