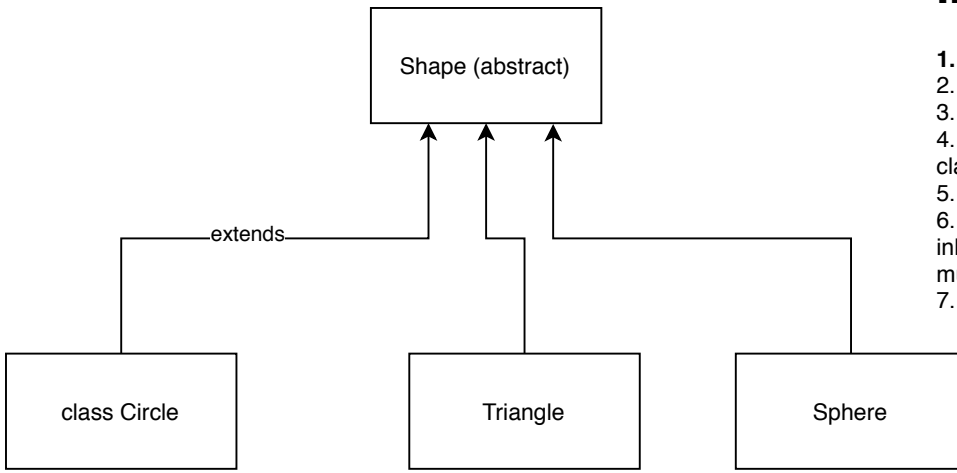


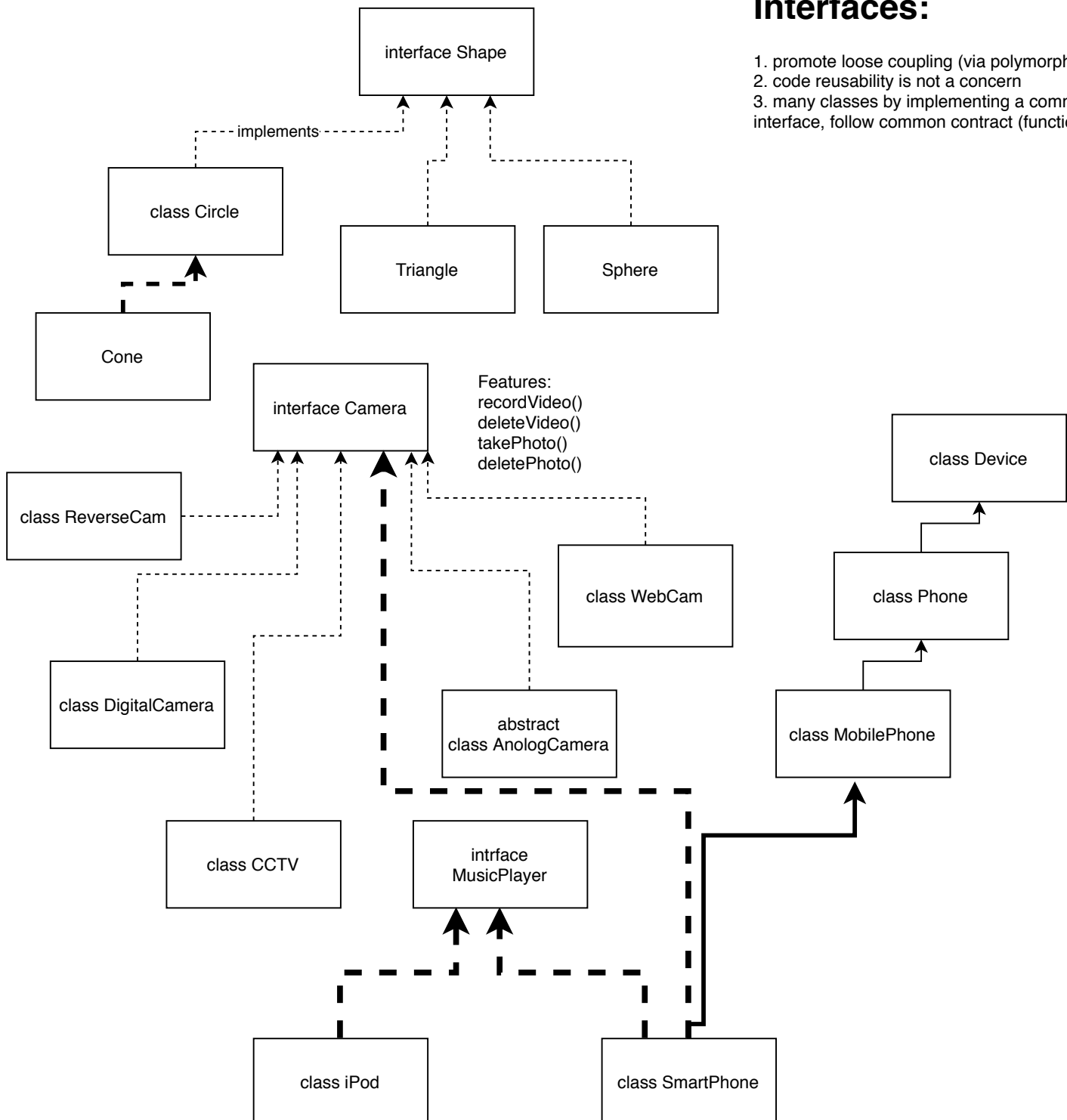
Inheritance:

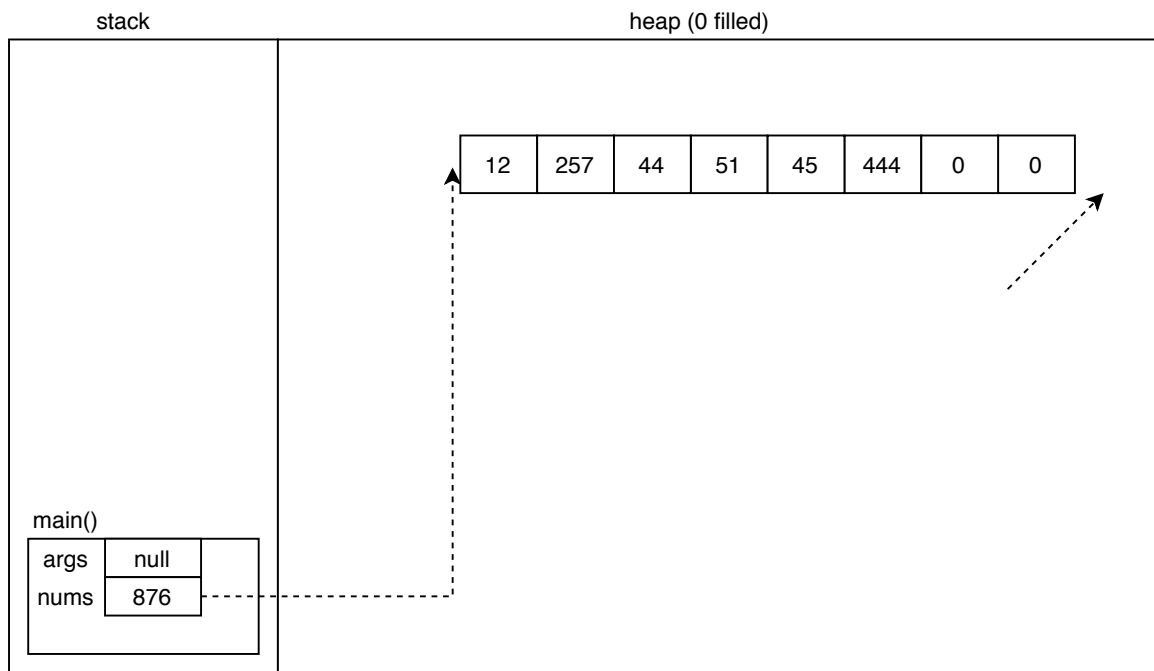
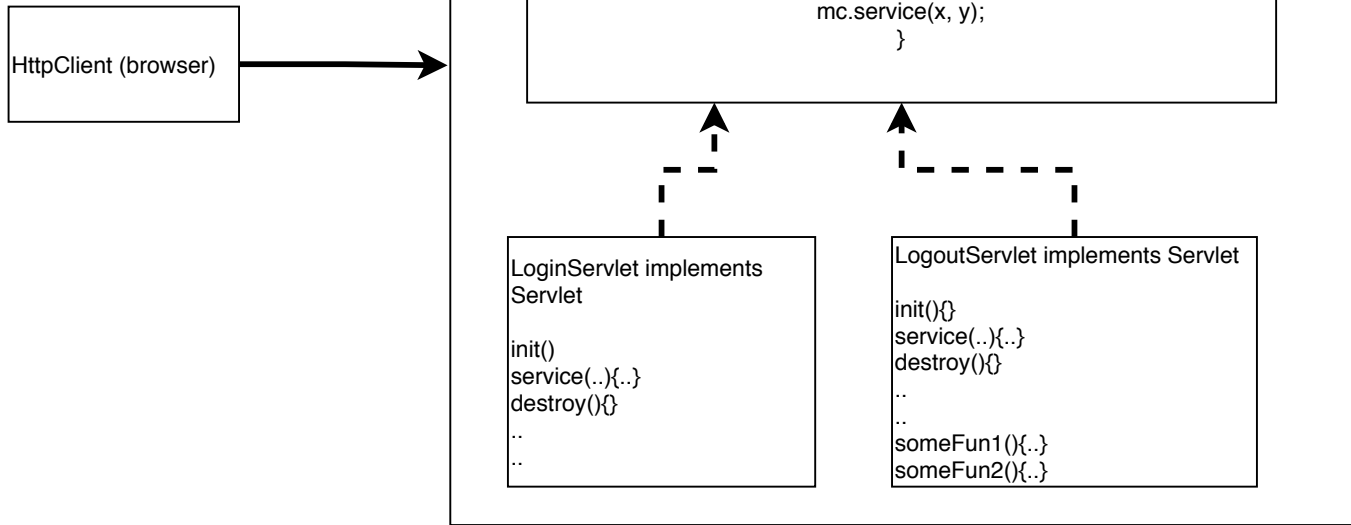


1. promotes code reusability
2. functions may be marked as abstract
3. abstract functions do not have body
4. abstract functions must be overridden in the sub classes
5. abstract function may exist only in abstract class
6. if a sub class does not implement/override inherited abstract method/s then, the subclass must also be marked as abstract.
7. abstract classes cannot be instantiated!!!

Interfaces:

1. promote loose coupling (via polymorphism)
2. code reusability is not a concern
3. many classes by implementing a common interface, follow common contract (functions)

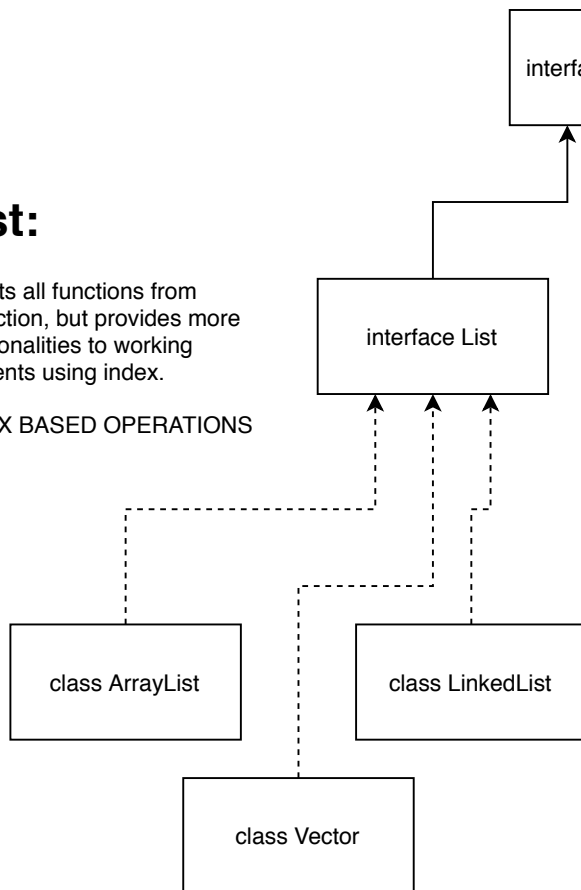




List:

inherits all functions from Collection, but provides more functionalities to working elements using index.

INDEX BASED OPERATIONS



Set:

does not add any additional functionalities!!!

ENSURES THAT ELEMENTS ARE NOT DUPLICATES

NO INDEX BASED OPERATIONS

