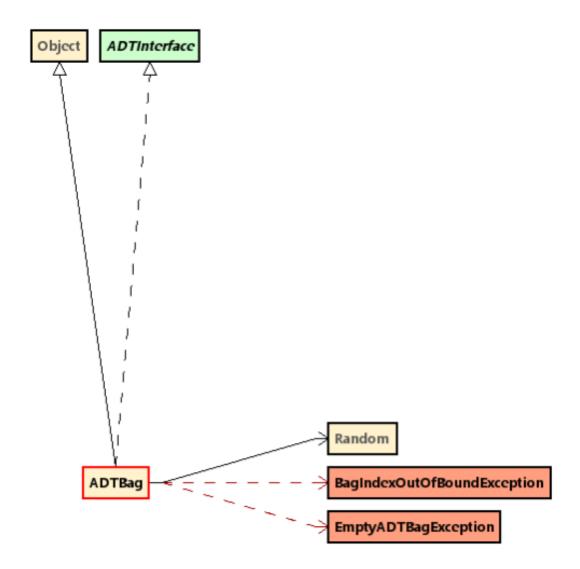
## **UML Class Relationship Diagram:**



### **UML Class Diagram of ADTBag**

### Object **ADTBag Fields** capacity: int - itemCount : int randomizer : Random - storage : Object[] Constructors + ADTBag( int ) : void Methods + get( Object ) : int + get( int ) : Object + insert( Object ) : void + makeEmpty(): void + remove( int ) : Object + removeLast( ) : Object + removeRandom( ) : Object

size():int

# UML Class Diagram of EmptyADTBagException

### RuntimeException

### **EmptyADTBagException**

Constructors
EmptyADTBagException(): void

# UML Class Diagram of FullADTBagException

### RuntimeException

### **FullADTBagException**

Constructors

+ FullADTBagException(): void

# UML Class Diagram of BagIndexOutOfBoundException

#### IndexOutOfBoundsException

### BagIndexOutOfBoundException

Constructors

- + BagIndexOutOfBoundException(): void
- + BagIndexOutOfBoundException( int ) : void