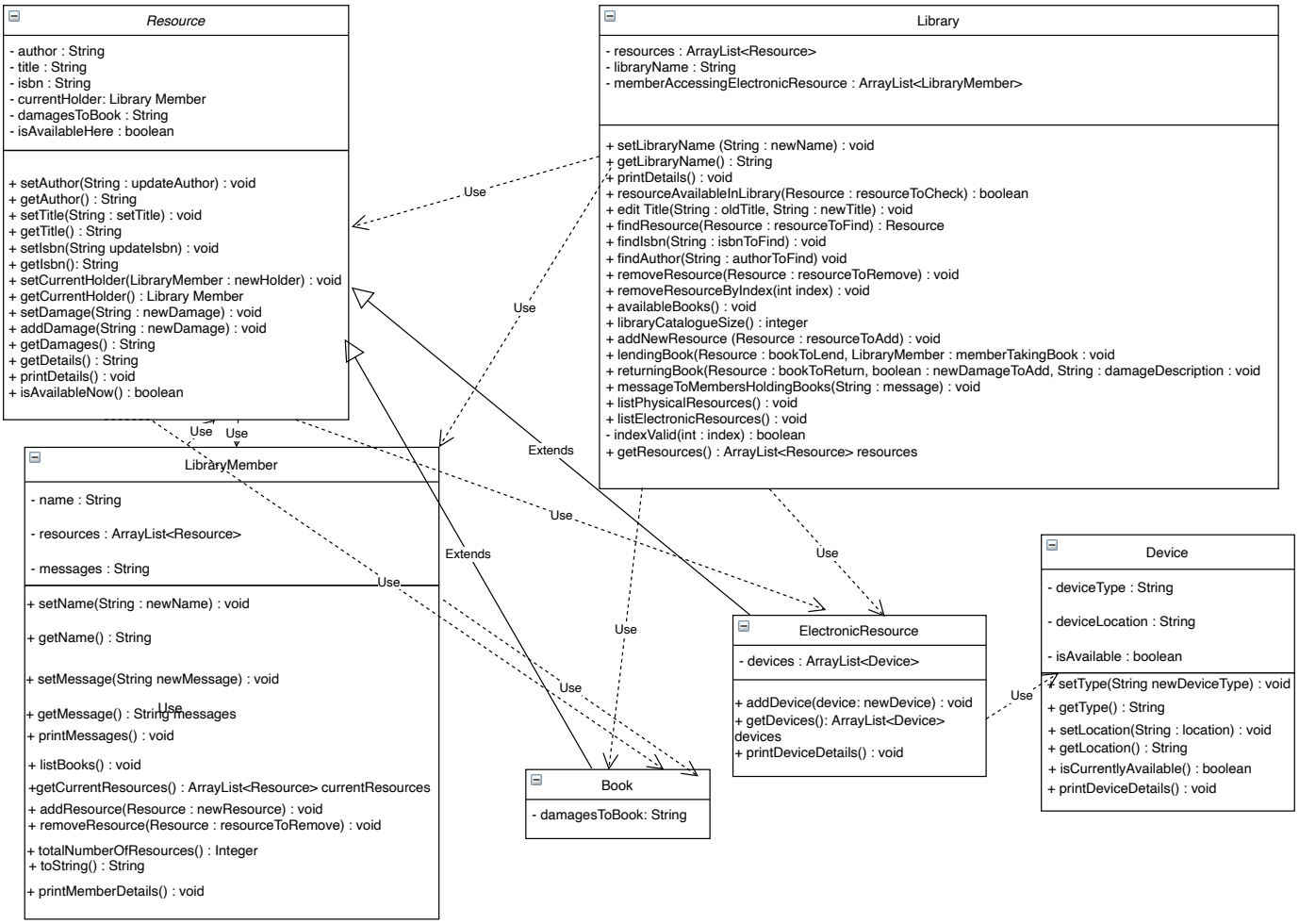
Resource
- author : String
- title : String
- isbn : String
- currentHolder: Library Member
- damagesToBook : String
- isAvailableHere : boolean
+ setAuthor(String : updateAuthor) : void
+ getAuthor() : String
+ setTitle(String : setTitle) : void
+ getTitle() : String
+ setIsbn(String updateIsbn) : void
+ getIsbn(): String
+ setCurrentHolder(LibraryMember : newHolder) : void
+ getCurrentHolder() : Library Member
+ setDamage(String : newDamage) : void
+ addDamage(String : newDamage) : void
+ getDamages() : String
+ getDetails() : String
+ printDetails() : void
+ isAvailableNow() : boolean
Library
- resources : ArrayList<Resource>
- libraryName : String
- memberAccessingElectronicResource : ArrayList<LibraryMember>
+ setLibraryName (String : newName) : void
+ getLibraryName() : String
+ printDetails() : void
+ resourceAvailableInLibrary(Resource : resourceToCheck) : boolean
+ edit Title(String : oldTitle, String : newTitle) : void
+ findResource(Resource : resourceToFind) : Resource
+ findIsbn(String : isbnToFind) : void
+ findAuthor(String : authorToFind) void
+ removeResource(Resource : resourceToRemove) : void
+ removeResourceByIndex(int index) : void
+ availableBooks() : void
+ libraryCatalogueSize() : integer
+ addNewResource (Resource : resourceToAdd) : void
+ lendingBook(Resource : bookToLend, LibraryMember : memberTakingBook : void
+ returningBook(Resource : bookToReturn, boolean : newDamageToAdd, String : damageDescription : void
+ messageToMembersHoldingBooks(String : message) : void
+ listPhysicalResources() : void
+ listElectronicResources() : void
- indexValid(int : index) : boolean
+ getResources() : ArrayList<Resource> resources
LibraryMember
- name : String
- resources : ArrayList<Resource>
- messages : String
+ setName(String : newName) : void
+ getName() : String
+ setMessage(String newMessage) : void
+ getMessage() : String messages
+ printMessages() : void
+ listBooks() : void
+getCurrentResources() : ArrayList<Resource> currentResources
+ addResource(Resource : newResource) : void
+ removeResource(Resource : resourceToRemove) : void
+ totalNumberOfResources() : Integer
+ toString() : String
+ printMemberDetails() : void
Book
- damagesToBook: String
ElectronicResource
- devices : ArrayList<Device>
+ addDevice(device: newDevice) : void
+ getDevices(): ArrayList<Device> devices
+ printDeviceDetails() : void
Device
- deviceType : String
- deviceLocation : String
- isAvailable : boolean
+ setType(String newDeviceType) : void
+ getType() : String
+ setLocation(String : location) : void
+ getLocation() : String
+ isCurrentlyAvailable() : boolean
+ printDeviceDetails() : void
Use
Extends
Use
Use
Use
Use
Use
Use
Use
Use
Use
Use
Extends
Use
Use
Use