## Book - id: Long - isbn: String - title: String - description: String - serialVersionUID: long - firstName: String - lastName: String - publisherCompany: String - publisherAddress: String **Author** - data: Part serialVersionUID: long + setId(i: long) - firstName: String + setIsbn(isbn: String) - lastName: String + setTitle(t: String) - id: Long + setDescription(desc: String) + getId(): long + getId(): Long + getIsbn(): String + setId(id: Long) + getTitle(): String + hashCode(): int 1.. \* + getDescription(): String + equals(object: Object): boolean + getFirstName(): String + toString(): String + getLastName(): String + setFirstName(fn: String) + getPublisherCompany(): String + setLastName(In: String) + getPublisherAddress(): String + getFirstName(): String + getPicture(): Part + getLastName(): String + setFirstName(fn: String) + setLastName(In: String) + setPublisherCompany(pc: String) + setPublisherAddress(pa: String) + setData(d: Part) + toString(): String

CoverImage

- serialVersionUID: long

- imgType: String

- imgData: Part

- id: Long

+ getType(): String

+ getData(): Part

+ getId(): Long

+ setType(t: String)

+ setData(t: Part)

+ setId(id: Long)

+ hashCode(): int

+ equals(object: Object): boolean

## Session

+ toSring(): String

- + getCurrentUser(): String
- + isUserLoggedIn(): boolean
- + login(username: String, password: String): boolean
- + logout()

1.. \*

## **IBookRepository**

- + listAllBooks(): String
- + getBookld(i: int): HashMap
- + getBookInfo(i: String): HashMap
- + addNewBook(bookInfo: Book): int
- + updateBookInfo(i: int, b: Book)
- + setImage(f: Part, i: String)
- + deleteBook(i: int)
- + deleteAllBooks()
- + getBookId(i: String): int
- + autoIncrement(): int
- + setAutoId(i: int)
- + getAutoId(): int

## RepositoryCore - id: int title: String description: String isb: String author: String publisher: String cover: String user: String - pw: String - dbURL: String obj: RepositoryCore + getInstance(): RepositoryCore + listAllBooks(): String + getBookInfo(id: int): HashMap + addNewBook(bookInfo: Book): int + updateBookInfo(id: int, b: Book) + setImage(filePart: Part, id: int) + deleteBook(id: int)

+ deleteAllBooks()

+ generateId() + getLastId(): int