ClientPackage

Client

- clientID: String
- name: String
- phoneNum: long
- email: String
- clientCount: static int
- leasedItems: Item[]

+Client(): Client
+Client(String name, long phoneNum, String email): Client
+Client (Client otherClient): Client
+getClientID(): String
+getName(): String
+getEmail(): String
+getPhoneNum(): long
+getLeasedItems(): Item[]
+setEmail(String email): void
+setPhoneNum(long phoneNum): void
+setName(String name): void
+setClientID(String clientID): void
+getClientCount(): static int
+setClientCount(int count): void
+toString(): String
+equals(Object otherObject): boolean
+ lease(Item item): boolean
+returns(Item item): boolean
+printLeasedItems(): void

Journal

-volumeNum: int
-totalJournlas: static int

+Journal(): Journal
+Jounral(String name, String author, int yearOfPub, int volumeNum): Journal
+Journal(Journal otherJournal): Journal
+equals(Object otherObject): Boolean
+toString(): String
+getVolumeNum():int
+setVolumeNum(int volumeNum): void

LibraryPackage

Item

- id: String
- name: String
- author: String
- yearOfPub: int

+Item(): Item
+Item(String name, String author, int yearOfPub): Item
+Item(Item otherItem): Item
+equals(Object otherObject): Boolean
+toString(): String
+getID(): String
+getName(): String
+getAuthor(): String
+getYearOfPub(): int
+setName(String name): void
+setAuthor(String author): void
+setYearOfPub(int yearOfPub): void
+setID(String id): void

Library

-allItems: Item[]
-itemCount: static int
-clients: Client[]

+addItem(Item item): void
+deleteItem(String id): void
+changeItemInfo(String id, String newName, String newAuthor, int newYear): void
+listItemsByCategory(String category): void
+printAllItems(): void
+add(Client client): void
+deleteClient(String id): void
+editClient(String id, String newname, long phone, String email): void
+allLeasedItems(): void
+getBiggestBook(Book[]bookArr): Book

Book

-numPages: int
-totalBooks: static int

+Book(): Book
+Book(String name, String author, int yearOfPub, int numPages): Book
+Book(Book otherBook): Book
+equals(Object otherObject): Boolean
+toString(): String
+getNumpages(): int
+setNumPages(int numPages): void

Media

-type: String
-totalMedia: static int

+Media(): Media
+Media(String name, String author, int yearOfPub, String type): Media
+Media(Media otherMedia): Media
+equals(Media otherObject): boolean
+toString(): String
+getType(): String
+setType(String type): void

DriverPackage

Driver

+copyBooks(Item[] arr): static Item[]
+printMenu(): void