

## Library system

### Book

+ isbn: string  
+ library\_member: string  
+ book\_damages: string  
+ title: sting  
+ author: string

+ get\_isbn(): string  
+ set\_isbn(string): void  
+ get\_library\_member(): string  
+ set\_library\_member(library\_member): void  
+ get\_damages(): string  
+ set\_damages(string): void  
+ get\_title(): string  
+ set\_title(string): void  
+ get\_author: string  
+ set\_author(string): void  
+ check\_availability(): boolean  
+ print\_details(): void

### ElectronicResource

+ devices: list

+ get\_devices(): list  
+ set\_devices(list): void  
+ print\_details(): void  
+ add\_device(electronic\_device): void

### ElectronicDevice

+ location: string  
+ available: boolean

+ get\_location(): string  
+ set\_location(string): void  
+ get\_availability(): boolean  
+ set\_availability(boolean): void  
+ print\_device\_details(): void

### LibraryMember

+ name: string  
+ user\_id: string  
+ borrowed: list  
+ messages: string

+ get\_name(): string  
+ set\_name(string): void  
+ get\_user\_id(): string  
+ set\_user\_id(string): void  
+ get\_borrowed(): list  
+ set\_borrowed(list): void  
+ get\_messages(): string  
+ set\_messages(string): void  
+ print\_user\_details(): void  
+ print\_messages(): void  
+ add\_book(book): void  
+ print\_books(): void  
+ get\_number\_borrowed(): int

### LibrarySystem

+ electronic\_reources: list  
+ book: list  
+ location: string  
+ time\_open: string  
+ time\_close: string

+ get\_electronic\_resources(): list  
+ set\_electronic\_resources(list): void  
+ get\_books: list  
+ set\_books: void  
+ print\_details(): void  
+ check(resource): boolean  
+ edit\_title(resource, string): void  
+ search(resource): resource  
+ search\_isbn(isbn): void  
+ search\_author(string): void  
+ remove\_resource(resource):void  
+ remove\_book\_by\_position(int): void  
+ remove\_electronic\_resource\_by\_position(int): void  
+ print\_all\_available(): void  
+ get\_number\_resources(): void  
+ add\_resource(object): void  
+ lend\_book(book, member): void  
+ return\_book(book, boolean, string): void  
+ message(messages): void  
+ print\_all\_book\_details(): void  
+ print\_all\_electronic\_details(): void