

## <<Class>>

## SQLBookShelf

- instanceConnectionName: String [1]

- databaseName: String [1] - IP\_of\_instance: String [1] - username: String [1] - password: String [1] - jdbcUrl: String [1]

+ addBook(book: Book): boolean + addFromCSV(inputFile: File): void

+ removeBook(key: String): Book

+ getBook(key: String): Book

+ searchBook(field: SearchingField, keyword:String, sortBy: SortingCriteria): ArrayList<Book>

+ size(): int

+ addRating(ISBN: String, UID: String, ratingScore: double): boolean

+ removeRating(ISBN: String, UID: String): boolean

+ getRating(ISBN: String, UID: String): double

+ addRating(ISBN: String, UID: String, content: String): boolean

+ removeRating(ISBN: String, UID: String): boolean

+ getRating(ISBN: String, UID: String): double

+ getAllComments(ISBN: String): HashMap<String, String>

- checkUID(UID: String): boolean

