Class AddBookForm

- Attribute:

private String title

private String publisher

private String author

private String isbn

private Copy copies

- Method:

/\*\*

\* Show Form Attribute on UI

\*/

public void showForm()

/\*\*

\* Update Account Reg Form and send

\*

\* @param title is book title

\*

\* @param publisher is publisher

\*

\* @param author is author

\*

\* @param isbn is isbn

\*

\* @param copies is a list of Copies

\*

\* @return boolean true if the form is correct and sent, otherwise false and send back error

\*/

public boolean sendForm(String title, String publisher, String author, String isbn, Copy copies) {

check if every attribute followed predefined rules (Ex:

each copy must have type (referrence or borrow)

..

)

then send form

}

Class AddBookController

- Method:

/\*\*

\* Check form detail

\*

\* @param AddBookForm is a new book with details

\*

\* @return boolean true if the form is correct

\*/

public boolean checkForm(AddBookForm form) {

check if every attribute satisfied conditions (Ex:

if there exist a book with the same details (title, publisher, author, isbn) return false and send back error

)

}

/\*\*

\* Check form detail

\*

\* @return auto generated String bookId

\*/

public String generateBookId()

/\*\*

\* Confirm the form and request to save new account in database

\*

\* @return boolean true if the form is confirmed

\*/

public boolean confirmForm()

/\*\*

\* Confirm the form and request to save new account in database

\*

\* @return boolean true if the form is confirmed

\*/

public boolean confirmForm()

Class BookInfo

- Attribute:

private String bookId

private String title

private String publisher

private String author

private String isbn

private Copy copies

- Method:

/\*\*

\* Query in database by get book by bookId

\*

\* @return BookInfo

\*

\* Throw exception if encounter error when reading from database

\*/

public Account getBookById(private String bookId)

/\*\*

\* Query in database by get book by details

\*

\* @return BookInfo

\*

\* Throw exception if encounter error when reading from database

\*/

public Account getBookByDetails(String title, String publisher, String author, String isbnCopy copies)

/\*\*

\* Add new BookInfo to database

\*

\* @return Account

\*

\* Throw exception if encounter error when writing to database

\*/

public boolean addAccount(String bookId, String title, String publisher, String author, String isbnCopy copies)