

Library Management System

Phase 1

Group Member:

(Section info, Name, E-mail address, T-square username)

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List of Constraints

1. Each Student can do the extension only twice for one book.
2. Returned book can be damaged, then we should charge the user for the condition of the damage.
3. The estimated return date of the book updates to 14 days from the date of the extension request if that request is accepted.
4. A student can only keep a book for a maximum of 28 days from the original check-out date whereas a faculty can keep it for up to 56 days.
5. The extension of a book is only allowed if that book has not already been requested for hold by another user.
6. If a book is on already on hold, its expected available date is null.

Assumption.

Every floor should have at least one subject.

one shelf should have at least one book.

one floor should have at least one shelf.

each non-staff can request only one copy.

Every book has at least one copy.

Every book has one subject.