

Description

GroupShare is a catalog database for a co-operative set of members to share items among each other. Primary goal is to allow users to share their books, dvd, and cd with the group members. Members list items they are willing to share and retain ownership of the item. The item is assigned a estimated replacement value. At any given point in time users can only borrow from the GroupShare up to a maximum of the total value of items that they have put up available for sharing (Total Checked out \leq Total Contribution). Items out on loan can have a queue of requests against them for next in line for loan. Loans can be up to a indefinite period of time unless a loan request is made against the item, at which time the item must be passed onto the next in line within 2 weeks.

Members must provide contact information where they can be reached as well as emails for notification of items available/request queued against on loan items.

Ratings / comments on the item can be made by people who have used the item for other users to browse

Transactions

1. post a new item into loan pool
2. Show all items in share stuff with checked in/out status
3. request a loan item (either add to wait queue or initiate a borrow request)
4. shows total value available for an person - calculate total contribution, total on loan, balance remaining
5. show all items not on loan (currently available)
6. see item transaction history/comment history, current queue
7. cancel loan request
8. remove item from loan pool - only allowed by owner
9. make a comment on item
10. get user score - total contribution value/items, popularity of items offered, qty of items borrowed. eg a goodness rating for the member to encourage contributions by members,

Project will be done on UBC linux servers using apache web server with php and oracle as the backend.