

Startup Submission 6: Adding a Database

feature cut/add:

1. Since Kai still not show up, we still cut mailbox feature.
2. New feature:
 1. greeting message
 2. background music
 3. right side bar(contain home, music switch and go top

buttons)

Zhuodong Huang:

functions that replace with mongo function:

1. myfilter(GET /bookscollcetion/:searchTerm): use for search function. Return any object that match the search term
2. gethistorys(GET /user/:userid/historys): get the book object depend on user's watch history list.
3. addhistory(PUT /user/:userid/historys/:bookid): update user's history list. The length will be limit as 3.
4. getbookcollection(GET /bookscollcetion): return the all document in booksitems collection into array.

other contribution:

1. add background music: auto play at the beginning, user can turn it off/on with the button on the right bar.
2. greeting message: show hello message before user go into UBooks website.

Ye Jiang:

functions that replace with mongo function:

1. resolveUserObjects: Input is a array of userId and return a array of user Object corresponding to input userId.
2. sendDatabaseError: Is used by other function to return a database error that may occurred .
3. getFeedItem: return a bookItem for a specfic book Id and resolve its all userId to user Objects.
4. getFeedData: resolve all books in one user's account and make all Id into their corresponding object in uer's feed.
5. GET('/feed/:userId',function(req,res)) : Server function that return all feeddata to a specfic user
6. GET('/user/:userid',function(req,res)): Resolve a specfic user ID into a user Object.
7. GET('/user/:userid/exchangebooks',function(req,res)): Get all exchange book in one user's exchange list. return a array of book objects.

8. GET('/user/:userid/needbooks',function(req,res)): Get all user need book in one user's want list. return a array of book objects.
9. GET('/user/:userid/mailbox',function(req,res)): Get all mail box message in user's maillists. reutrn a array of mail box message.

Oher constribution:

1. ResetDatabase
2. ResetDBbutton
3. Stringfield Components

Zhongce Ji:

functions that replace with mongo function:

- a. get book (GET '/book/:bookid'): This for getting the bookdata from our databse. In the function, we Find the specific book in the book collection
- b. Post Comment(PUT '/bookitem/:bookitemid/commentthread/comment'): This is use for post the comments for the book. In the function, we update the specific book's comments, by pushing the new comment into the comment array.
- c. post book(POST '/bookitem/'): post the book. In the function we use insertOne to insert the book in the collection, then we update the user collection and feed collection

other constribution:

- a. Add the upload image button and also preview the image.

Lingering Bugs / Issues / Dropped Features

> Do not found any obvious bugs in current state of our web-site and no dropped features since last submission.