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 constribution:
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 occured .
3. getFeedItem: return a bookItem for a specifc 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 specifc user
6. GET('/user/:userid',function(req,res)): Resolve a specifc user ID into a user Object.
7. GET('/user/:userid/exchangebooks',function(req,res)): Get all exhange 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.