COMP 2406 Assignment 8

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Questions:

Any 5/8 or 6/8 for bonus:

Error 1

The following message was printed at the terminal prompt after running `bin/www`:

```
/home/soma/Documents/Class/WebFund/2015W/ajax-notes-
broken/node_modules/mongodb/lib/mongodb/mongo_client.js:409
        throw err
              ^
Error: failed to connect to [localhost:27017]
    at null.<anonymous> (/home/soma/Documents/Class/WebFund/2015W/ajax-notes-
broken/node_modules/mongodb/lib/mongodb/connection/server.js:555:74)
    at emit (events.js:106:17)
    at null.<anonymous> (/home/soma/Documents/Class/WebFund/2015W/ajax-notes-
broken/node_modules/mongodb/lib/mongodb/connection/connection_pool.js:156:15)
    at emit (events.js:98:17)
    at Socket.<anonymous> (/home/soma/Documents/Class/WebFund/2015W/ajax-notes-
broken/node_modules/mongodb/lib/mongodb/connection/connection.js:534:10)
    at Socket.emit (events.js:95:17)
    at net.js:440:14
    at process._tickCallback (node.js:419:13)
```

Error 2

You are logged in and you try to go to http://localhost:3000/ (the top-level page). Rather than redirecting to /notes the load just hangs.

Error 3

The notes listing screen only says "Loading Notes...". When you look at the network tab in the browser developer tools you notice a GET for /getNotes has returned a 500 status code.

Error 4

In the notes listing you see only one note listed with the title "Not Logged In" and contents of "Nobody seems to be logged in!". The top of the page says the current username and the logout button still works normally.

Error 5

Clicking the "New Note" button seems to do nothing. However, a POST request to /newNote has a response code of 200 and, when refreshed, there is a new, "Untitled" note added to the list.

Error 6

On the /notes page, when logged in as Alice, you only see "Alice account", "Welcome Alice", and the logout button (which works fine). In the JavaScript console in the browser you see a message "ReferenceError: $ is not defined".

Error 7

On the /notes page, when logged in as Alice, you only see "Alice account", "Welcome Alice", and the logout button (which works fine). In the JavaScript console in the browser you see no new error messages. In the network view you see four 200-code GET requests for `notes`, `style.css`, `jquery-1.1.12.js` and `notes.js`.

Error 8

The "Refresh Notes" button doesn't seem to do anything. The rest of the application seems to work fine.

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Answers:

Error 1: Before typing bin/www I stopped the mongodb service/process by typing – *sudo service mongodb stop*. After which when I type bin/www it will give you that particular error. The reason behind this is as mongodb is installed on my laptop but when it is not running/or stoppped I cannot connect to the mongodb port 27017 or access the service.

Error 2: Commenting out the statement - *res.redirect("/notes")* under *router.get('/', function(req, res) {…*in index.js, will cause this particular error. The reason for this is because once you are logged in and try going back to localhost:3000 (/) it checks if the user of the current session is logged in and then directs the session user to his/her notes, commenting out the particular lines will cause the page to hang as the server will not know where to redirect the session user.

Error 3: Commenting out *connectToDBs()* in index.js(*line24*) will cause this error. The reason is the function *connectToDBs* connects to the database collection - notescollection and the user can access their notes in the notesCollection, but instead if it is commented out, the message in noteListing function in notes.js "*Loading Notes*" will be printed, as the notes collection could not be accessed. 500 error says that it's an internal server error and the collections database could not be accessed.

Error 4: The particular strings are present in index.js under ***router.get('/getNotes'…***and it only appears if the username is not logged in and tries accessing his/her notes. To produce this error I commented out the lines "***notesCollection.find({owner: username})…..till the else statement***" forcing the if statement to print the strings if the user for that current session is logged in. Commenting those particular lines will not find that particular user notes, instead it will just send the "***Not logged in..***" strings to show on the screen.

Error 5: In notes.js for the ***newNote*** function where a ***$.post("/newNote", editNewNote)*** is done. Taking off ***editNewNote*** from the function will cause the error to occur. The reason behind this that once the new note button is pressed a post request is sent to ***"/newNote",*** a untitled note is created and sent to ***editNewNote*** which in return sends to ***editNote*** where we edit the untitled note giving it content and title, later to be shown on the screen using ***getAndListNotes***. On the other hand if we don't send the untitled note to be edited by removing ***editNewNote*** from the ***newNote*** function, the untitled note is created but since ***getAndListNotes*** is not called, we do not see the untitled note on the screen, till the refresh button is hit, to call ***getAndListNotes***, showing the untitled note on the screen

Error 8: Commenting out ***$("#refreshNotes").click(getAndListNotes)*** under ***noteListing*** function in notes.js will cause that particular error. The reason is the refresh button functionality will be omitted by commenting that line as the program does not know which function is called when the button is clicked, while the rest of the program will run properly.

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