CSCI 301 Survey of Scripting Languages
Fall 2017
Lab 9 - Connecting the ToDo app to an mLab database

Objective: To learn more about MongoDB and hosting databases in the cloud

Instructions:
1. Sign up for a free account on https://mlab.com
2. Create a new MongoDB deployment (database).
3. Add a user to the database and remember the password because you will need it later for your node app to connect to the database.
4. Add a collection to your database and make sure it matches the collection name you are using in your app's code.
5. Make sure you can connect to the remote db by running your local mongodb shell client using the command copied from the website.
6. Test that your app can run locally but connected to the remote db by changing the connection string used in the mongojs constructor to the one copied from mlab.com.
7. Create a config variable on Heroku that contains the db connection string (do not commit the connection string to your git repo!).

   `$ heroku config:set MONGODB_URI=<your_mongo_connection_string_from_mlab>`
8. Change the connection string used in your app to process.env.MONGODB_URI
9. Commit your changes locally.

   `$ git add .`

   `$ git commit -m "lab 9 - project complete"`
10. Push your code changes to GitHub.

    `$ git push origin master`
11. Deploy your app to Heroku.

    `$ git push heroku master`
12. Verify the app works on Heroku.

    `$ heroku open`
13. Email the instructor at wbeckwith@csuniv.edu the url of your deployed app on Heroku.

Due: Monday, November 27, 11:59 PM

Note: If you get stuck, refer to the video from class on 11/13/2017.