

CSC309 - Winter 2017

Lab 5 - Backends and MongoDB



Quick Announcement

For those who were not able to run node on cdf machines in lab4, update your path like this:

```
$ export PATH=/u/csc309h/fall/pub/bin:$PATH
```

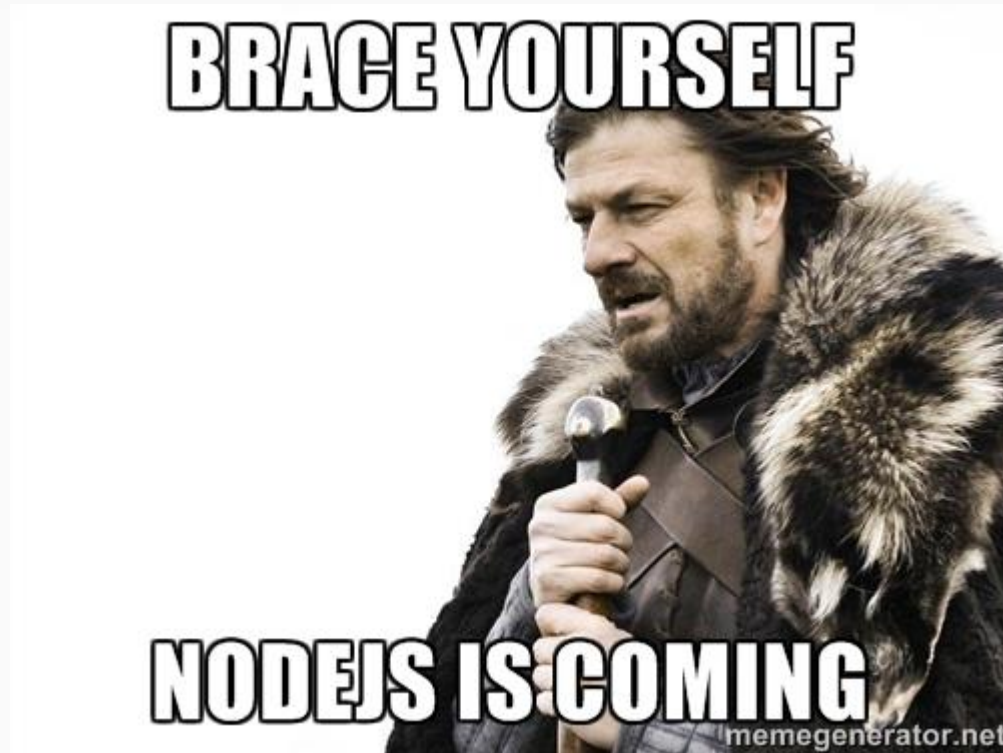
This should get you all the binaries you need.

MongoDB



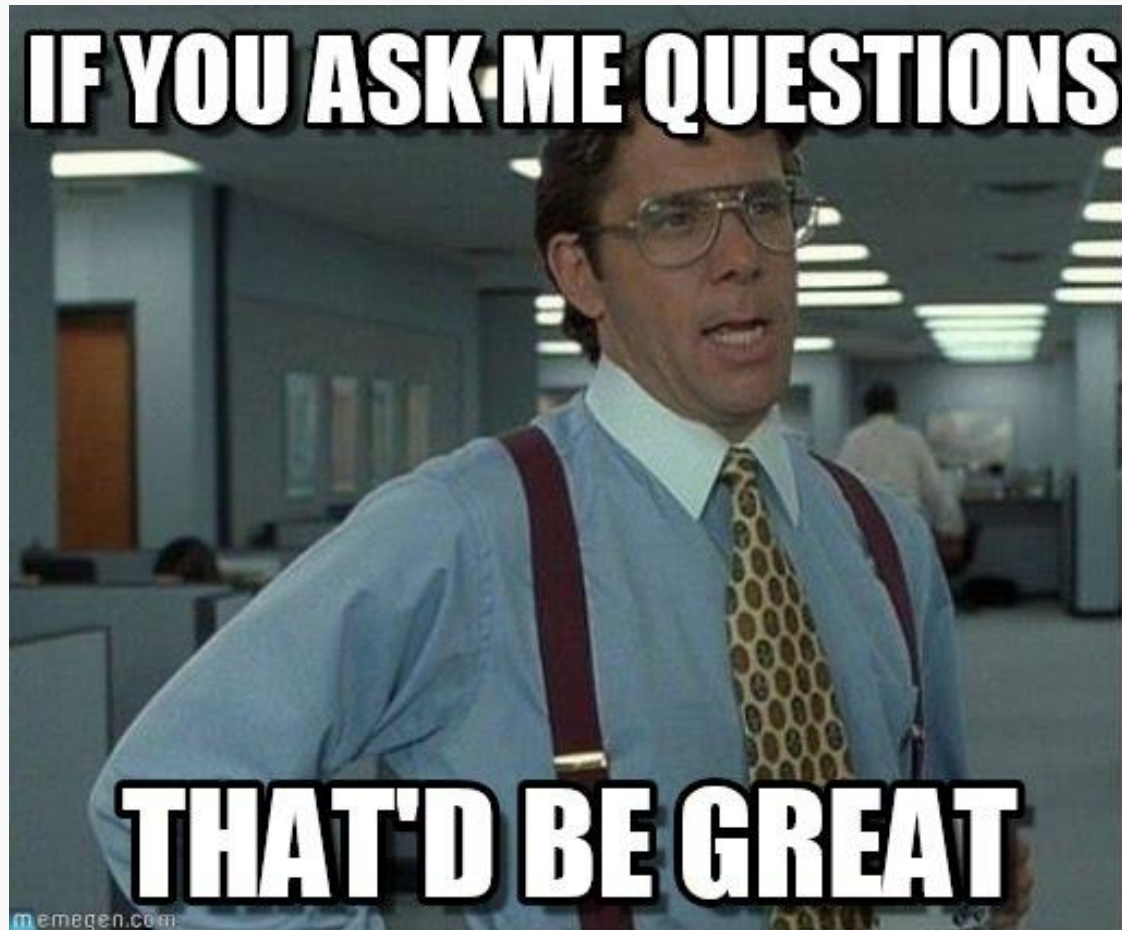
- Access mongo shell:
\$ npm install -g mongo; mongo;
- Run the crash course in the lab code to understand how to save and retrieve data. [Link](#)

Setting Up an Express App



- Assuming node is installed:
\$ npm install express express-validator ejs body-parser
mongoose
- Run the server: \$ node server.js
- TA to explain why we need validation on backend.

Read Carefully Through The Code!




TAs will love to help you go through the code!


Advanced: XML HTTP Request

```
function performXHR(url, callback) {  
    var xhr = new XMLHttpRequest();  
    // Just a state change listener.  
    xhr.onreadystatechange = function () {  
        // This state means we received something.  
        if (xhr.readyState == 4) {  
            // This callback fires on the response.  
            callback(xhr.response);  
        }  
    };  
    xhr.open('GET', url, true); // or POST  
    xhr.send(null);  
}  
performXHR('http://localhost:3000', function(r) {  
    console.log(r); // should log the response.  
});
```

Just a function that
fires when an event
occurs.



Remember, this
happens in the future.



The scope of this
function will change in
the future.

Quiz Time