Quiz 3 will cover the following topics:

- Web application (Node.js + Express)
- Database (MongoDB)
- Basic web security
- Assignment 3
- Lab 8

You will not be tested on Heroku or on jQuery.

Practice Question

Below is a table / spreadsheet of actors and actresses in movies. Consider the name of this table / spreadsheet as "movies":

name	m_f	title	year
Carrie Fisher	f	Star Wars: A New Hope	1977
Carrie Fisher	f	The Empire Strikes Back	1980
Carrie Fisher	f	Return of the Jedi	1983
Mark Hamill	m	Star Wars: A New Hope	1977
Mark Hamill	m	The Empire Strikes Back	1980
Mark Hamill	m	Return of the Jedi	1983
Harrison Ford	m	Star Wars: A New Hope	1977
Harrison Ford	m	The Empire Strikes Back	1980
Harrison Ford	m	Return of the Jedi	1983
Harrison Ford	m	Indiana Jones	1981

1. Write the *MongoDB commands* to insert each row in the table as a document into a MongoDB.
2. Write the *MongoDB command* to find all the movies that Harrison Ford have been in.

For questions 3 to 5, consider the following working code and assume that it is up-and-running on your workstation:

```
var express = require('express');
var bodyParser = require('body-parser');
var app = express();
app.use(bodyParser.json());
app.use(bodyParser.urlencoded({ extended: true }));
app.get('/status.json', function(foo, bar) {
    bar.set('Content-Type', 'text/json');
    bar.send('{"status":"good"}');
});
app.post('/sendMessage', function(foo, bar) {
    msg = foo.body.msg;
    // store msg into a database
    bar.send("You sent me the message: " + msg + "\n");
});
app.get('/messages', function(foo, bar) {
    msg = foo.query.msg;
    bar.set('Content-Type', 'text/html');
    bar.send("You sent me the message: " + msg + "\n");
});
app.listen(process.env.PORT || 3000);
```

3 (2 points). Will accessing `http://localhost:3000/messages` on a modern web browser function properly? YES | NO (CIRCLE ONE)

4 (2 points). Will accessing `http://localhost:3000/sendMessage` on a modern web browser function properly? YES | NO (CIRCLE ONE)

5 (2 points). Will accessing `http://localhost:3000/status.json` on a modern web browser function properly? YES | NO (CIRCLE ONE)

Answers
1. db.movies.insert({"name":"Carrie Fisher", "m_f":"f", "title":"Star Wars: A New Hope", "year":1977}); you get the idea...
2. db.movies.find({"name":"Harrison Ford"});
3. Yes
4. No
5. Yes