Notes:

Objectives

» Explain what Mocha, Chai, Supertest do individually

» Write tests for RESTful routes in Express apps using Mocha/ Chai/Supertest

Mocha
- Test framework
- Runs all our tests for us
- "describe, beforeEach, afterEach, context, it" blocks

Chai
- Assertion library
- everything inside "it" blocks
- "expects, should, assert, equal, exist" blocks
- defines expectations

Supertest
 – Let's GOOOOGLE it

Supertest
 – Allows testing of HTTP routes

```
express --git --view=hbs sloths_app
```

knex.js

```javascript
// Choose an enviroment setup from knexfile
// Get env vars
// Then require knex package, passing in the env config we just found


'use strict';


const environment = process.env.NODE_ENV || 'test';
const knexConfig = require('./knexfile')[environment];
const knex = require('knex')(knexConfig);


module.exports = knex;
```

```
npm install --save pg knex
npm install --save-dev chai mocha supertest
npm install
```

Last install for express-gen deps

in package.json add

```
"scripts": {
  "test": "mocha ./test/test-app.js"
}
```

So you can run tests with either

```
mocha test/my-tests.js
npm test
```

```
psql -f myfile.sql

\c postgres;
DROP DATABASE IF EXISTS knex_sloths_test;
CREATE DATABASE knex_sloths_test;
\c knex_sloths_test;


DROP TABLE IF EXISTS sloths;
CREATE TABLE sloths (
  id serial,
  name text,
  age integer,
  image text
)
```

knexfile.js
If too much unknown debug msgs:

debug: false