HTP W nodejs & mongodb

tweet tweet @donnfelker

github.com/donnfelker/workout-tracker

agenda

nodejs express mongoose mongodb beginner | intermediate

what is no contact the contact is not contact the cont

Node.js is a platform built on Chrome's JavaScript runtime for easily building fast, scalable network applications.

Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.

standing on the shoulders of giants





















how do I build a web api with nodejs?

basic tools



blank slate

express

web application framework for node

express()

```
Create an express application.
var express = require('express');
var app = express();
app.get('/', function(req, res){
  res.send('hello world');
});
app.listen(3000);
```

express()

```
Create an express application.
var express = require('express');
var app = express();
app.get('/', function(req, res){
  res.json(200, { message : "Hi!" });
});
app.listen(3000);
```

persistence



what is mongoDB?

MongoDB (from "humongous") is a scalable, highperformance, open source NoSQL database.

- mongodb.org

records are stored known as 'documents' and resemble json

```
{
  "_id": "4ff09aabf2c99f6cac000006",
  "description": "21-15-9 of Thrusters and Pull Ups",
  "name": "Fran",
  "date_created": "2012-07-01T18:44:59.580Z"
}
```

express nodejs

mongoose mongodb

mongoose

```
var mongoose = require('mongoose');
var db = mongoose.createConnection('localhost', 'workout_tracker');
var schema = mongoose.Schema({ name: 'string' });
var Workout = db.model('workout', schema);

var w = new Workout({ name: 'Fran' });
w.save(function (err) {
  if (err) // ...
  res.end('meow');
});
```

building the web api

new express project

create a folder for the app

mkdir workout-tracker

create a package.json file with these contents

```
"name": "workout-tracker",
  "description": "workout tracker app",
  "version": "0.0.1",
  "private": true,
  "dependencies": {
      "express": "3.x"
  }
}
```

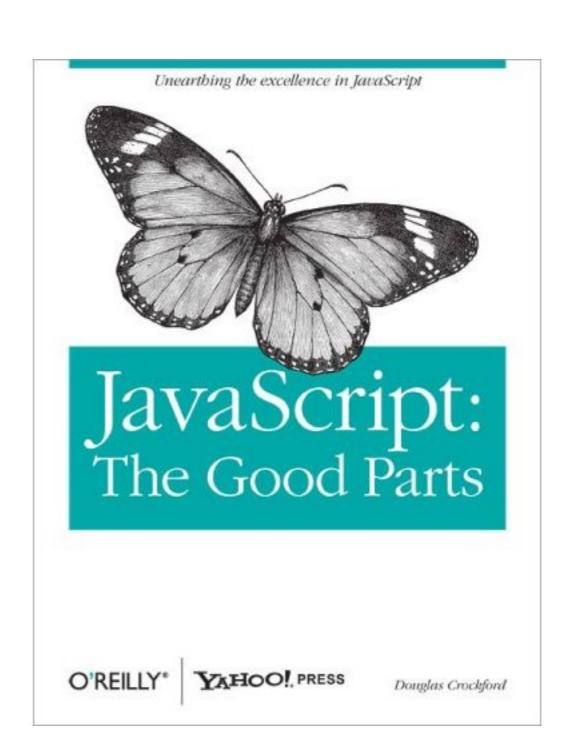
install dependencies and install express

\$ npm install

```
$ npm ls
workout-tracker@0.0.1 /private/tmp
express@3.0.0beta7
 ├─ commander@0.6.1
 \vdash connect@2.3.9
 | ├── crc@0.2.0
 | \( \sigma \qs@0.4.2 \)
 ├─ cookie@0.0.3
 ├─ debug@0.7.0
 ├─ fresh@0.1.0
 ├─ methods@0.0.1
 ├─ mkdirp@0.3.3
 ├─ range-parser@0.0.4
 ├── response-send@0.0.1
 \vdash send@0.0.3
   — mime@1.2.6
```

ok stop - code time

learn js the right way



code

github.com/donnfelker/workout-tracker

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MongoHub