Node.js SQLite Angular.js

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Node.js

- Installed Raspbian on 8GB memory card
- Installed Node.js using
  - http://blog.rueedlinger.ch/2013/03/raspberry-pi-and-nodejs-basic-setup/
- Followed Node.js tutorial
  - http://www.nodebeginner.org/

MongoDB

- Built and installed MongoDB
  - http://mongopi.wordpress.com/2012/11/25/installation/

- Created a test database. Seemed to work.
  - If not using desktop, run mongod in background

MongoDB and Mongoose

- Installed Mongoose node module.
  - http://mongoosejs.com/docs/index.html
  - http://mongoosejs.com/docs/guide.html
  - http://mongoosejs.com/docs/models.html
  - http://theholmesoffice.com/mongoose-and-node-js-tutorial/

- Program couldn't find the Mongoose module.
  - Couldn't resolve.

NEW Database: SQLite

- Installed SQLite3

- Installed DBLite node module in the project directory.
    - https://github.com/WebReflection/dblite/

SQLite

- Created table and populated it with .csv data
  - http://zetcode.com/db/sqlite/
  - Delete title line.

- Was able to display data in a table on website.

HighCharts

- Installed HighCharts node module
  - https://npmjs.org/package/node-highcharts

- Need to figure out how to display live graph.
  - http://www.highcharts.com/docs/working-with-data/preprocessing-live-data

Code

- Start server using command 'node index.js'
- index.js sets up handles and starts the server located in server.js.
- server.js receives the router module and the handle array as parameters and uses them to parse the URL and use the correct function in requestHandler.js.

Code

- The printDB function in requestHandler.js creates a table, deletes anything in it, enters the .csv's data into it and then prints the contents of the database out in a table.
- Currently working towards a live graph.