Full Stack Web Development: Additional Resources

Useful Links

* [What is a Full Stack developer?](http://www.laurencegellert.com/2012/08/what-is-a-full-stack-developer/)
* [Wait, Wait… What is a Full-stack Web Developer After All?](http://edward-designer.com/web/full-stack-web-developer/)
* [The Myth of the Full-stack Developer](http://andyshora.com/full-stack-developers.html)
* [Multi-tier Architecture](https://en.wikipedia.org/wiki/Multitier_architecture)
* [What is the 3-Tier Architecture?](http://www.tonymarston.net/php-mysql/3-tier-architecture.html)

Introduction to Node.js and NPM: Additional Resources

Node and NPM

* [Nodejs.org](https://nodejs.org/)
* [Npmjs.com](https://www.npmjs.com/)
* [Node API Documentation](https://nodejs.org/api/)
* [NPM Documentation](https://docs.npmjs.com/)

Node Modules: Additional Resources

Node Resources

* [Node Modules](https://nodejs.org/dist/latest-v4.x/docs/api/modules.html)
* [yargs](https://github.com/yargs/yargs)

Other Resources

* [CommonJS](http://www.commonjs.org/)
* [CommonJS Module Format](http://wiki.commonjs.org/wiki/Modules/1.1.1)
* [RequireJS](http://requirejs.org/)

Node and HTTP: Additional Resources

Node Resources

* [Node HTTP](https://nodejs.org/api/http.html)
* [Anatomy of an HTTP Transaction](https://nodejs.org/en/docs/guides/anatomy-of-an-http-transaction/)
* [fs Module](https://nodejs.org/dist/latest-v4.x/docs/api/fs.html)
* [path Module](https://nodejs.org/dist/latest-v4.x/docs/api/path.html)

HTTP Resources

* [Hypertext Transfer Protocol](https://en.wikipedia.org/wiki/Hypertext_Transfer_Protocol)
* [List of HTTP Status Codes](https://en.wikipedia.org/wiki/List_of_HTTP_status_codes)

# Introduction to Express: Additional Resources

### Express Resources

* [ExpressJS](http://expressjs.com/)
* [Connect](https://github.com/senchalabs/connect)
* [Express Wiki](https://github.com/expressjs/express/wiki)
* [morgan](https://github.com/expressjs/morgan)
* [body-parser](https://github.com/expressjs/body-parser)

### Other Resources

* [Understanding Express.js](http://evanhahn.com/understanding-express/)
* [A short guide to Connect Middleware](https://stephensugden.com/middleware_guide/)

# Assignment 1: Additional Resources

### Node Resources

* [Node Modules](https://nodejs.org/dist/latest-v4.x/docs/api/modules.html)

### Express Resources

* [ExpressJS](http://expressjs.com/)

# Express Generator: Additional Resources

### Express Generator Resources

* [Express](http://expressjs.com/)
* [Express Generator](http://expressjs.com/en/starter/generator.html)

# Introduction to MongoDB: Additional Resources

### MongoDB Resources

* [MongoDB](http://www.mongodb.org/)
* [MongoDB documentation](http://docs.mongodb.org/manual/)
* [MongoDB Installation](http://docs.mongodb.org/manual/installation/)
* [The mongo Shell](http://docs.mongodb.org/manual/mongo/)

# Node and MongoDB: Additional Resources

### MongoDB Resources

* [MongoDB Native Driver](https://github.com/mongodb/node-mongodb-native)
* [MongoDB NodeJS Native Driver Documentation](http://mongodb.github.io/node-mongodb-native/)

# Mongoose ODM: Additional Resources

### Mongoose Resources

* [Mongoose](http://mongoosejs.com/)
* [Mongoose Documentation](http://mongoosejs.com/docs/guide.html)
* [Mongoose Schemas](http://mongoosejs.com/docs/guide.html)
* [Mongoose Models](http://mongoosejs.com/docs/models.html)
* [Mongoose Sub-documents](http://mongoosejs.com/docs/subdocs.html)
* [Mongoose-currency](https://www.npmjs.com/package/mongoose-currency)

### Other Resources

* [Multiple collections vs Embedded documents](http://openmymind.net/Multiple-Collections-Versus-Embedded-Documents/#1)

# Assignment 2: Additional Resources

### Mongoose Resources

* [Mongoose](http://mongoosejs.com/)
* [Mongoose Documentation](http://mongoosejs.com/docs/guide.html)
* [Mongoose Schemas](http://mongoosejs.com/docs/guide.html)
* [Mongoose Models](http://mongoosejs.com/docs/models.html)
* [Mongoose Sub-documents](http://mongoosejs.com/docs/subdocs.html)
* [Mongoose-currency](https://www.npmjs.com/package/mongoose-currency)

# REST API with Express, MongoDB and Mongoose: Additional Resources

### Other Resources

* [Build a RESTful API Using Node and Express 4](https://scotch.io/tutorials/build-a-restful-api-using-node-and-express-4)
* [Creating RESTful APIs With NodeJS and MongoDB Tutorial (Part II)](http://adrianmejia.com/blog/2014/10/01/creating-a-restful-api-tutorial-with-nodejs-and-mongodb/)
* [CREATING A SIMPLE RESTFUL WEB APP WITH NODE.JS, EXPRESS, AND MONGODB](http://cwbuecheler.com/web/tutorials/2014/restful-web-app-node-express-mongodb/)

# Basic Authentication: Additional Resources

### Other Resources

* [Basic acccess authentication](https://en.wikipedia.org/wiki/Basic_access_authentication) (Wikipedia)
* [Basic Access Authentication](https://developer.mozilla.org/en-US/docs/Web/HTTP/Basic_access_authentication)

# Cookies, Tea and err . . . Express Sessions: Additional Resources

### Express Resources

* [cookie-parser](https://github.com/expressjs/cookie-parser)
* [express-session](https://github.com/expressjs/session)
* [session-file-store](https://www.npmjs.com/package/session-file-store)

### Other Resources

* [HTTP Cookies](https://en.wikipedia.org/wiki/HTTP_cookie)
* [Sessions in Express.js](http://expressjs-book.com/index.html%3Fp=128.html)
* [Express Session Management](http://www.javabeat.net/expressjs-session-management/)

# User Authentication with Passport: Additional Resources

### Passport Resources

* [Passport](http://passportjs.org/)
* [Passport Documentation](http://passportjs.org/docs)
* [Passport-local](https://github.com/jaredhanson/passport-local)
* [Passport-local-mongoose](https://github.com/saintedlama/passport-local-mongoose)

### JSON Web Tokens Resources

* [JSON Web Tokens](https://jwt.io/)
* [RFC 7519 (JSON Web Tokens)](https://tools.ietf.org/html/rfc7519)
* [jsonwebtoken (Node Module)](https://github.com/auth0/node-jsonwebtoken)

### Other Resources

* [User Authentication With Passport and Express 4](http://mherman.org/blog/2015/01/31/local-authentication-with-passport-and-express-4/#.VteGlYx96Aw)
* [Authenticate a Node.js API with JSON Web Tokens](https://scotch.io/tutorials/authenticate-a-node-js-api-with-json-web-tokens)
* [Using JSON Web Tokens with Node.js](http://www.sitepoint.com/using-json-web-tokens-node-js/)
* [Token Based Authentication for Single Page Apps (SPAs)](https://stormpath.com/blog/token-auth-spa/)
* [The Ins and Outs of Token Based Authentication](https://scotch.io/tutorials/the-ins-and-outs-of-token-based-authentication)
* [The Anatomy of a JSON Web Token](https://scotch.io/tutorials/the-anatomy-of-a-json-web-token)

# Assignment 3: Additional Resources

### Passport Resources

* [Passport](http://passportjs.org/)
* [Passport Documentation](http://passportjs.org/docs)
* [Passport-local](https://github.com/jaredhanson/passport-local)
* [Passport-local-mongoose](https://github.com/saintedlama/passport-local-mongoose)

### JSON Web Tokens Resources

* [JSON Web Tokens](https://jwt.io/)
* [RFC 7519 (JSON Web Tokens)](https://tools.ietf.org/html/rfc7519)
* [jsonwebtoken (Node Module)](https://github.com/auth0/node-jsonwebtoken)

### Other Resources

* [User Authentication With Passport and Express 4](http://mherman.org/blog/2015/01/31/local-authentication-with-passport-and-express-4/#.VteGlYx96Aw)
* [Authenticate a Node.js API with JSON Web Tokens](https://scotch.io/tutorials/authenticate-a-node-js-api-with-json-web-tokens)
* [Using JSON Web Tokens with Node.js](http://www.sitepoint.com/using-json-web-tokens-node-js/)

# Mongoose Population: Additional Resources

### Mongoose Resources

* [Mongoose Population](http://mongoosejs.com/docs/populate.html)

### Other Resources

* [Mongoose: Referencing schema in properties or arrays](https://alexanderzeitler.com/articles/mongoose-referencing-schema-in-properties-and-arrays/)

# HTTPS and Secure Communication: Additional Resources

### HTTPS

* [HTTPS (Wikipedia)](https://en.wikipedia.org/wiki/HTTPS)
* [Public Key Cryptography](https://en.wikipedia.org/wiki/Public-key_cryptography)
* [Transport Layer Security](https://en.wikipedia.org/wiki/Transport_Layer_Security)

### Node's HTTPS Server

* [Node HTTPS Server](https://nodejs.org/api/https.html)

### Book

* [Kurose, James F., and Keith W. Ross. Computer networking: a top-down approach. Pearson, 2017, ISBN-10: 0134522206 • ISBN-13: 9780134522203.](http://www.pearsonhighered.com/educator/product/Computer-Networking-A-Top-Down-Approach-Plus-Modified-MasteringEngineering-with-Pearson-eText-Access-Card-Package-7E/9780134522203.page)

### Other Resources

* [Howto: Make Your Own Cert With OpenSSL on Windows](http://blog.didierstevens.com/2015/03/30/howto-make-your-own-cert-with-openssl-on-windows/)
* [OpenSSL for Windows](https://wiki.openssl.org/index.php/Binaries)
* [How to Use SSL/TLS with Node.js](http://www.sitepoint.com/how-to-use-ssltls-with-node-js/)
* [Adding HTTPS (SSL) to Express 4.X Applications](http://blog.ayanray.com/2015/06/adding-https-ssl-to-express-4-x-applications/)
* [How does HTTPS actually work?](http://robertheaton.com/2014/03/27/how-does-https-actually-work/)

# OAuth and User Authentication: Additional Resources

### OAuth Resources

* [OAuth 2.0](http://oauth.net/2/)
* [OAuth](http://oauth.net/)
* [OAuth (Wikipedia)](https://en.wikipedia.org/wiki/OAuth)

### Facebook Resources

* <https://developers.facebook.com/apps/>

### Passport Resources

* [passport-facebook](https://github.com/jaredhanson/passport-facebook)
* [passport-google-oauth](https://github.com/jaredhanson/passport-google-oauth)
* [passport-twitter](https://github.com/jaredhanson/passport-twitter)

### Other Resources

* [Social Authentication With Passport.js](http://mherman.org/blog/2013/11/10/social-authentication-with-passport-dot-js/#.Vua24dV94UE)
* [Easy Node Authentication: Facebook](https://scotch.io/tutorials/easy-node-authentication-facebook)
* [An Introduction to OAuth 2](https://www.digitalocean.com/community/tutorials/an-introduction-to-oauth-2)
* [Understanding OAuth2](http://www.bubblecode.net/en/2016/01/22/understanding-oauth2/)
* [The OAuth Bible](http://oauthbible.com/)

# Backend as a Service: Additional Resources

### Loopback Resources

* [Loopback.io](http://loopback.io/)
* [Loopback Documentation](http://docs.strongloop.com/)

### Other Resources

* [Mobile Backend as a Service (Wikipedia)](https://en.wikipedia.org/wiki/Mobile_backend_as_a_service)
* [Backend as a Service](http://baas.apievangelist.com/)
* [Mobile Backend-as-a-Service (MBaaS) - Options and Alternatives](http://www.thbs.com/blog/mobile-backend-as-a-service-mbaas-options-and-alternatives)
* [MBaaS shoot-out: 5 clouds for building mobile apps](http://www.infoworld.com/article/2842791/application-development/mbaas-shoot-out-5-cloud-platforms-for-building-mobile-apps.html)
* [HOW TO CHOOSE THE RIGHT BACKEND AS A SERVICE (BAAS) PLATFORM](http://waracle.net/how-to-choose-the-right-backend-as-a-service-baas-platform/)
* [Let LoopBack Do It: A Walkthrough of the Node API Framework You've Been Dreaming Of](https://www.toptal.com/nodejs/let-loopback-do-it-a-walkthrough-of-the-node-api-framework-you-ve-been-dreaming-of)

# Loopback, StrongLoop ARC and IBM Bluemix: Additional Resources

### IBM Bluemix Resources

* [IBM Bluemix](https://console.ng.bluemix.net/)
* [IBM Bluemix website](http://www.ibm.com/cloud-computing/bluemix/)
* [Explore IBM Bluemix](http://www.ibm.com/developerworks/cloud/library/cl-bluemix-dbarnes/)
* [Bluemix Quick Start Demos](http://www.ibm.com/developerworks/cloud/bluemix/quick-start-bluemix.html)
* [IBM Bluemix videos](https://www.youtube.com/results?search_query=ibm+bluemix)
* [Getting Started with Bluemix and StrongLoop](https://developer.ibm.com/bluemix/2015/09/10/getting-started-bluemix-strongloop/)
* [Getting Started with Node.js LoopBack Framework and IBM Cloudant](https://developer.ibm.com/bluemix/2015/09/10/getting-started-node-js-loopback-framework-ibm-cloudant/)
* [Using StrongLoop to create a Node.js MySQL application](https://developer.ibm.com/bluemix/2015/09/14/strongloop-to-mysql-app/)

### Raymond Camden's Blog

* [Hosting Node.js Apps on Bluemix](http://www.raymondcamden.com/2015/03/02/hosting-node-js-apps-on-bluemix/)
* [Working with StrongLoop (Part One)](http://www.raymondcamden.com/2015/10/12/working-with-strongloop-part-one/)
* [Starting a new role at IBM - StrongLoop Evangelist](http://www.raymondcamden.com/2016/03/03/starting-a-new-role-at-ibm-strongloop-evangelist/)

# Assignment 4: Additional Resources

### Mongoose Resources

* [Mongoose Population](http://mongoosejs.com/docs/populate.html)

### Other Resources

* [Mongoose: Referencing schema in properties or arrays](https://alexanderzeitler.com/articles/mongoose-referencing-schema-in-properties-and-arrays/)Assignment 4

# ConFusion: Integrating the Client and Server: Additional Resources

### Github Repositories

* Angular Client: <https://github.com/jmuppala/conFusion-Angular.git>
* Ionic Client: <https://github.com/jmuppala/conFusion-Ionic.git>
* Loopback Angular Client: <https://github.com/jmuppala/conFusion-loopback.git>
* Loopback Ionic Client: <https://github.com/jmuppala/conFusion-Ionic-loopback.git>
* Loopback Server: <https://github.com/jmuppala/Loopback-Server-Bluemix.git>

Angular Modules

* [ngDialog](https://github.com/likeastore/ngDialog)