



MEAN Stack

Developing "evil" JavaScript applications



Telerik School Academy

Learning & Development http://academy.telerik.com



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MongoDB



MongoDB

- MongoDB:
 - NoSQL Database



- Document based
- Can be easily used with Node
- Get it from http://www.mongodb.org/
- Mongoose http://mongoosejs.com/ or NPM

NodeJS

nodeJS

NodeJS

- NodeJS
 - JavaScript based server
 - Asynchronous and event driven
 - Easy to learn and write
 - Comes with package manager (NPM)
 - Get it from http://nodejs.org/



ExpressJS

express



- ExpressJS
 - MV* Framework for NodeJS
 - Easy routing of requests
 - Modularity for the server
 - Get it from http://expressjs.com/ or NPM



AngularJS



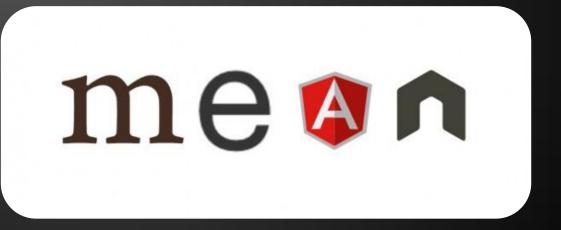
AngularJS

- AngularJS
 - MV* Framework for the client



- Contains everything but the kitchen sink
- Modularity, templates, routing, SPA, etc.
- Get it from http://angularjs.org/ or NPM

Templates & Tutorials



Templates & Tutorials

- Templates
 - http://www.mean.io/
 - http://meanjs.org/
- Tutorials
 - http://scotch.io/
 - http://www.thinkster.io/angularjs/GUIDJbplie/a ngularjs-tutorial-learn-to-build-modern-webapps
 - http://www.ibm.com/developerworks/library/w a-nodejs-polling-app/

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NodeJS Web Server





- Create a web site using MEAN. You can use one of the templates or create your own:
 - Try to use good project architecture
 - Use at least 5 routes
 - Have authentication and authorization
 - Have details page for an entity
 - Have create, update pages
 - Have admin panel with full CRUD