

# MEAN Stack - Todo App

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JS Meetup #6 (Saturday, Sep 24, 2016)

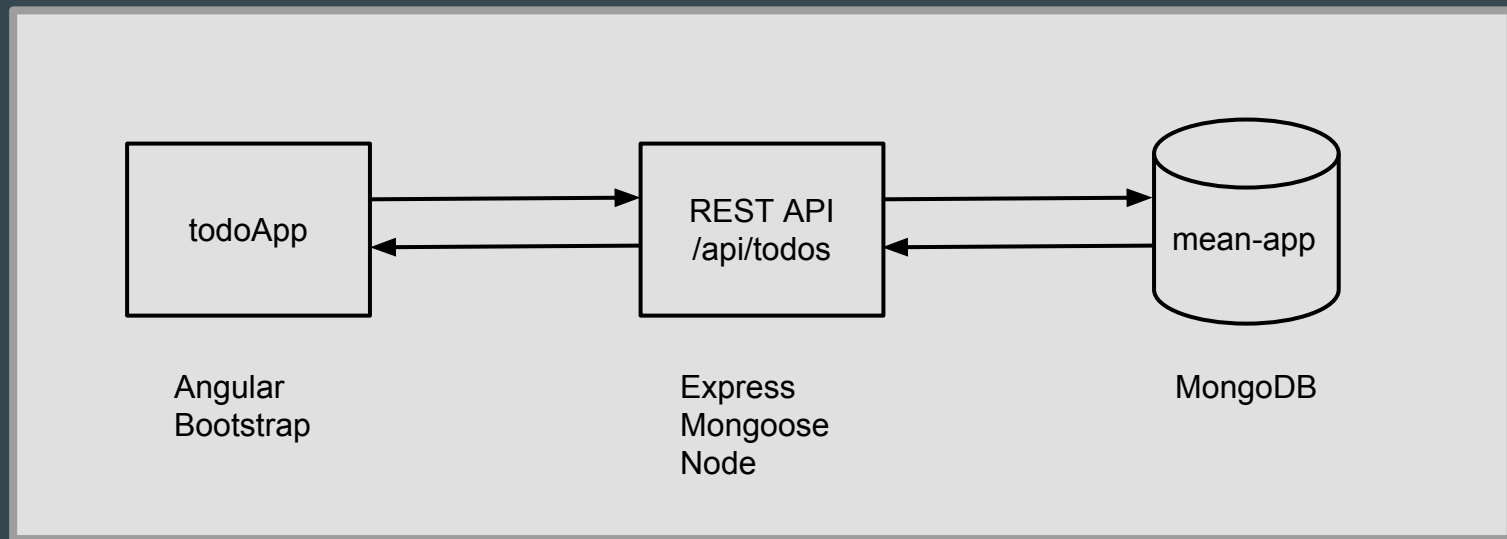
# Agenda

- Todo App - Functionality & Objectives
- Layers
- Server Side Details
- Client Side Details
- Q & A

# Todo App - Functionality & Objectives

- Create and finish a todo
- View list of todos
- Store todos in MongoDB
- Define schema and constraints using Mongoose
- Use middleware in Express for logging and parsing HTTP requests
- Create and expose REST API using Express
- Create SPA in Angular and consume REST API
- Implement simple form validation in Angular
- Organize Angular and Node code into modules (maintain, reuse, test)
- Experience popular software patterns like MVC, DI, etc. in action

# Todo App - Layers



# Todo App - Server Side Details

## MongoDB

- Database Name - mean-app
- Collection - todos

## Node - Server.js

- Node Modules
  - Express - Web application framework
  - Mongoose - MongoDB ODM
  - Morgan - Request logger middleware
  - Body Parser - HTTP Request body parsing middleware

## REST API

HTTP Verb	URL	Action
GET	/api/todos	Get all todos
POST	/api/todos	Create new todo
DELETE	/api/todos/:todoid	Delete a todo

# Todo App - Client Side Details

- Application Shell Page - index.html ('/public' folder)
- Module - todoApp (/public/scripts/app.js)
- Templates (Views)
  - Main.html (/public/views)
  - About.html (/public/views)
- Controllers
  - MainController (/public/scripts/controllers/mainController.js)
  - AboutController (/public/scripts/controllers/aboutController.js)
  - HeaderComponent (/public/scripts/controllers/headerController.js)
- Services
  - todoService (/public/scripts/services/todoService.js)
  - logService (/public/scripts/services/logService.js)
- Styles - todoStyles.css (/public/styles)

**Q & A**

**Thank you!**