

QA Challenge

Your task is to write End-to-End tests as well as Integrations Tests for an existing Web App. You will need Git, Github, Node.js and MongoDB on your local machine. The existing application is a simple to-do-list app that is built with the MEAN stack (MongoDB, Express.js, Angular and Node.js).

Setup

- Have MongoDB running on your localhost
- Clone the repo that you find here: <https://github.com/fashioncloud/node-todo>
- run npm install
- run npm start
- You should be able to use the app on your localhost

Tasks

- Use protractor to add End-to-End Tests
 - The app only has one page
 - Make sure that the most important elements are present on the page
 - Test that adding one or more to-do-list-items work
 - Test that removing one or more items work
- Add integration tests to test the API
 - For these test you only need to test the API, not the frontend
 - Make sure that the endpoint for adding to-do-list-items work. Also check that the HTTP status code is the one you expect
 - Test that the endpoint for getting to-do-list-items works and returns the expected data and HTTP status code

Keep this in mind

- Create a public Github repo for the app with your added tests. Commit your progress with good commit message and in sensible chunks
- Use standards and best practices as best as you can
- Create the necessary npm scripts. Make sure that in the end it will at least support the standard commands "install", "start", "test"
- Make sure it works in a Unix environment
- Pretend you are working in a large team and a lot of developers will want to run your tests in an easy and stable way

Happy coding :-D