# LET'S SCAFFOLD A WEB APP WITH YEOMAN

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Allo! Allo! In this 1-hour codelab, you build a fully functional web application from scratch with the help of Yeoman. You'll also use features from Grunt and Bower. The sample app will be written in AngularJS.
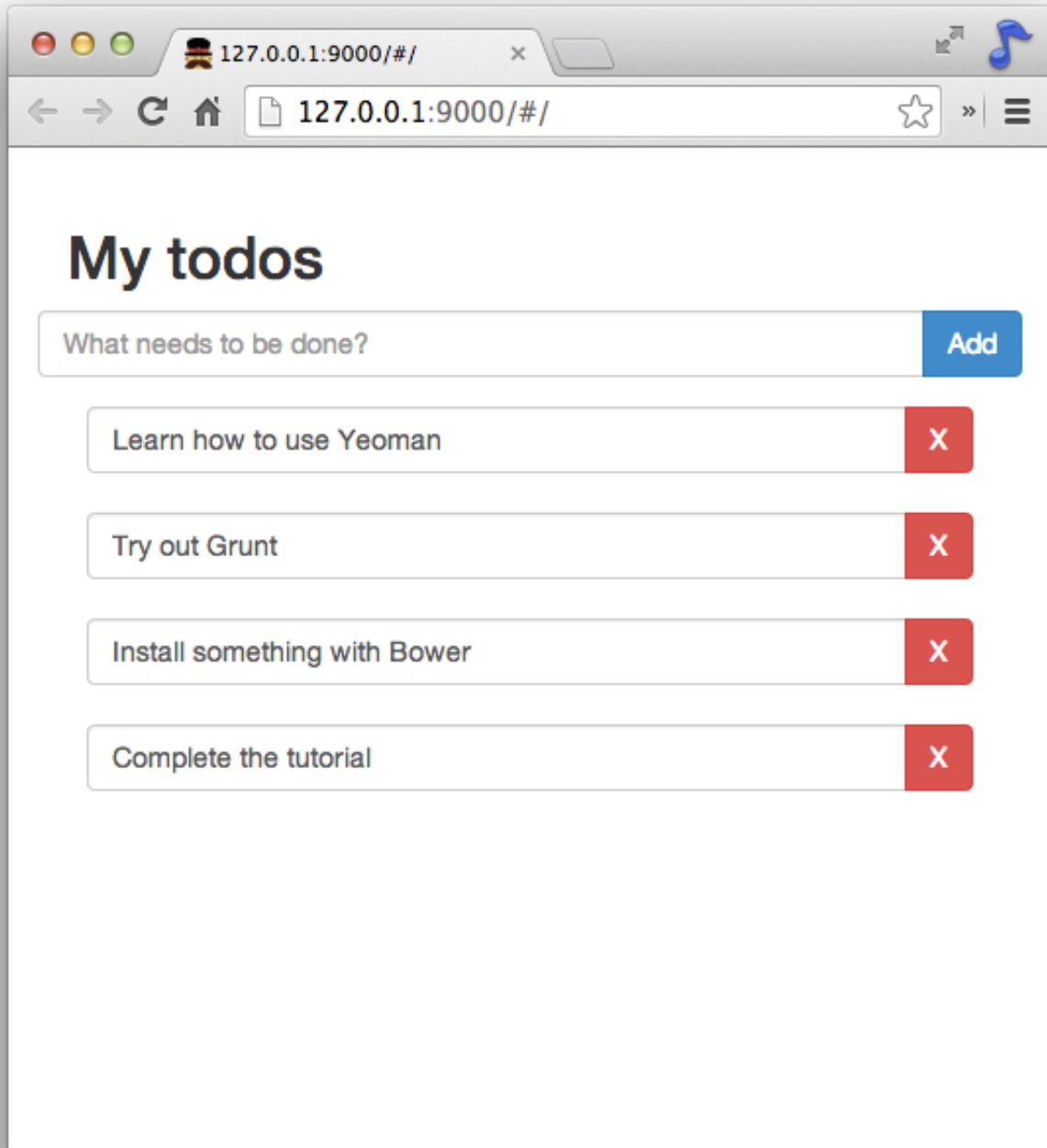
Haven't met Yeoman yet? Start here with an introduction »

Don't know any AngularJS? That's okay, we'll walk you through it. However we do assume that you have some previous JavaScript experience.

## BUILD THIS SAMPLE APP WITH YEOMAN

The sample web app you'll build today will be a Todo app. You will be able to add todos, delete todos, organize

your todos using drag and drop, and save todos offline.



## WHAT'S IN THIS CODELAB?

We will build the above Todo app from scratch. Each step builds on the previous so go through each step one by one.

- **Step 1:** Set up your dev environment »
- **Step 2:** Install a Yeoman generator »
- **Step 3:** Use a generator to scaffold out your app »
- **Step 4:** Review the Yeoman-generated app directory structure »

- **Step 5:** Preview your app in the browser »
- **Step 6:** Start writing our AngularJS application »
- **Step 7:** Use Bower to install packages »
- **Step 8:** Test with Karma and Jasmine »
- **Step 9:** Make todos persistent with local storage »
- **Step 10:** Get ready for production »
- Like what you see? Yeoman can do more »

It will take approximately 60 minutes to complete this codelab. By the end, you'll have a snazzy Todo app and your computer will be set up to build even more awesome web apps in the future.

**VIEW THE FINAL SOURCE CODE**

The finished app can be found at bit.ly/yoangular. In case you get stuck, these are the specific files that we will be editing in the **angular-localStorage-todos > app** folder:

- index.html
- views > main.html
- scripts > app.js
- scripts > controllers > main.js

Note: To run the app after downloading the source code, run `npm install` followed by `bower install` in the **angular-localStorage-todos** directory. Then you can run `grunt serve`.

Enjoy coding in the cloud? Don't have administrative access to your computer? Try this codelab in the Codio Web IDE.

To keep your Yeoman environment set up on your local computer for future development, continue to Step 1.

Let's get started with **Step 1 »**