Production Deploy

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Here's the Plan

Separating the UI from the API

Hosting providers

Automated deployment

Handling starter kit updates

Inspiration

Challenge

Separating the UI from the API

Why Separate the UI and API?

UI

API

1. **Simple, low-risk, UI only deploys**

2. **Separates concerns**
   - Separate teams
   - Less to understand
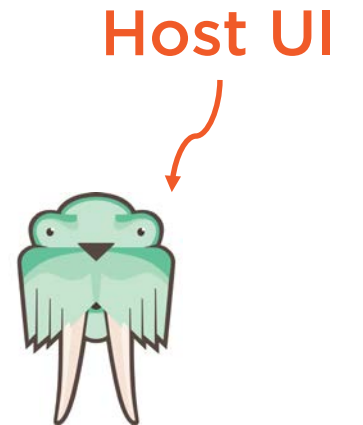   - Scale back-end separately

3. **Cheap UI hosting**

4. **Serve UI via a content delivery network**

5. **Use the API tech you like**

Automated Deployment

Cloud Hosting

Host API

Host UI

Static files only

Demo

Automated API deploy to Heroku

Demo

Automated UI deploy

Update Approaches

Update Approaches

Q1 - Project A launches

How do we easily update these projects?

Q2 - Project B launches
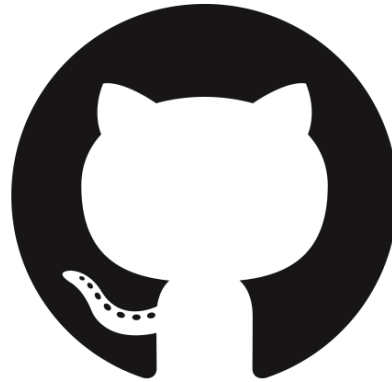
Q3 - Add enhancements and bug fixes to your starter kit

Update Approaches

Yeoman   **GitHub**   **npm**

THE WEB'S SCAFFOLDING TOOL FOR MODERN WEBAPPS

[Get started](#) and then [find a generator](#) for your webapp.
Generators are available for [Angular](#), [Backbone](#), [React](#), [Polymer](#)
and over [3900+ other projects](#).

```
npm install -g yo
```

One-line install using npm:

Updating Existing Projects with Yeoman

1. **Commit**

2. **Scaffold over the existing project**

3. **Resolve conflicts manually**

What do you want to learn?

Yeoman Fundamentals

by Steve Michelotti

Yeoman has established itself as the preeminent code generation framework for web developers. This code-focused course shows how to get started with Yeoman with a focus on building your own custom Yeoman generator.

▶ Start Course

Course author

Steve Michelotti

Steve Michelotti is a Microsoft ASP.NET MVP and an Architect/Developer for Applied Information Sciences (AIS). He has consulted at Advertising.com/AOL where he was the Tech Lead for one of the high...

Course info

Level	Beginner
Rating	★★★★½ (84)
My rating	★★★★★
Duration	2h 32m
Released	17 Dec 2015

Request live mentoring

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Table of contents Description   Exercise files   Discussion   Learning Check   Recommended

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▶ Introduction		🔖	10m 25s ⌄
▶ Using Yeoman Generators		🔖	18m 37s ⌄
▶ Creating a Yeoman Generator		🔖	22m 49s ⌄

Updating Existing Projects with GitHub

1. **Host on GitHub**

2. **Fork starter kit for new project**

3. **Pull changes from master**

Updating Existing Projects with npm

1. **Encapsulate kit in npm package**

2. **Update npm package to receive latest**

What Can We Centralize via npm?

Item	Approach
buildScripts	npm package
npm scripts in package.json	Call scripts in npm package
webpack.config files	npm package
.eslintrc	Create preset

What Did We Centralize?

Centralized

buildScripts

Scripts in package.json

webpack.config

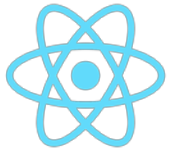.eslintrc

Decentralized

.editorconfig

.babelrc

CI config (.travis.yml Appveyor.yml)

Package references in package.json

Inspiration

Find a React Starter Project...

with: `things you want`

without: `things you don't want`

Separate search terms with commas.

Examples: Try redux and HMR, no gulp or minimal react native or vanilla JavaScript.

---

107 matches   Most stars ⇕

---

facebookincubator/create-react-app `linter` `minimal`   ☆ 13112   ◈ 8

Create React apps with no build configuration.

---

kriasoft/react-starter-kit `Babel 6` `ES6` `HMR` `linter` `live reload` `tests` `universal`   ☆ 11070   ◈ 99

React Starter Kit — isomorphic web app boilerplate (Node.js, Express, GraphQL, React.js, Babel 6, PostCSS, Webpack, Browsersync)

---

mxstbr/react-boilerplate `CSS Modules` `ES6` `HMR` `linter` `live reload` `react-router` `Redux` `tests`   ☆ 9868   ◈ 97

:fire: A highly scalable, offline-first foundation with the best developer experience and a focus on performance and best practices.

---

erikras/react-redux-universal-hot-example   ☆ 7664   ◈ 95

`Babel 6` `ES6` `HMR` `inline style` `linter` `live reload` `react-router` `Redux` `tests` `universal`
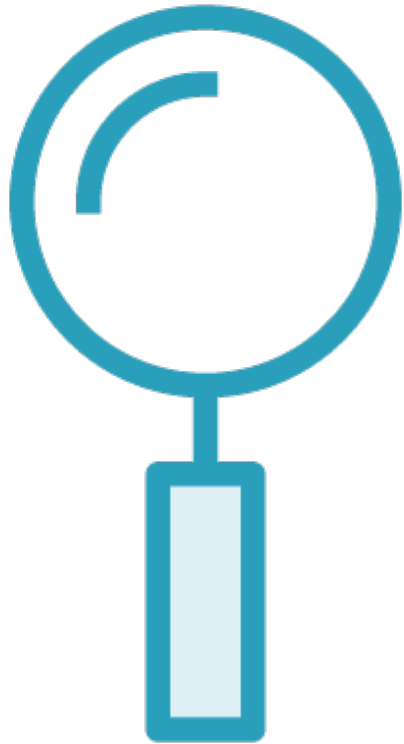
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andrewhfarmer.com/starter-project/

Seed Projects

- AngularClass/NG6-starter - An AngularJS Starter repo for Angular + ES6 + (Webpack or JSPM) by @AngularClass.
- tomastrajan/angular-js-es6-testing-example - Angular JS seed repository with focus on unit & integration testing (ES6, webpack, karma, mocha), suitable for serious / enterprise projects.
- flatlogic/angular-material-dashboard - Angular admin dashboard with material design
- ngbp/ngbp - A sophisticated build management system for web apps
- vesparny/angular-kickstart - Speed up your AngularJS development and testing with a complete and scalable build system that scaffolds the project for you.
- okigan/angular-sensible-seed - Opinionated AngularJS starter project with per feature directory structure, static content, gulp build system, integrated logo/search/ui-router/ui-bootstrap/less.
- angular/angular-seed - Seed project for AngularJS apps.
- vesparny/angularjs-playground - A starting point that follows best-practices, for being up and running in minutes with AngularJS.
- kmaida/reStart-angular - Responsive AngularJS seed project following styleguide best practices.
- StarterSquad/ngSeed - AngularJS/RequireJS seed project.
- tnajdek/angular-requirejs-seed - This is a fork of Angular Seed but with changes needed for requireJS support.
- btford/angular-express-blog - Example AngularJS app using an Express + Node.js backend.
- btford/angular-socket-io-seed - A great starting point for writing AngularJS apps backed by a Socket.io-powered node.js server.

github.com/gianarb/awesome-angularjs

Want Inspiration? Search!

Development environment

Boilerplate

Starter kit

Starter project

Seed

Challenge

Send a meeting invite to your team.

- Would we benefit from a starter kit?
- What are our JS pain points?
- Would we benefit from a demo app?

That's a Wrap!

Why separate the UI and API?

- UI-only deploys, separated concerns, cheap UI hosting, tech flexibility

Hosting providers

Automated deployment

- Heroku and Surge

Handling starter kit updates

- Yeoman, Github, npm

Inspiration - Start googling!

Challenge: Schedule a meeting

Courses by Cory

Building Applications with React and Redux in ES6 CC
by **Cory House**   Intermediate   6h 13m   20 May 2016   ★★★★★

Building Applications with React and Flux CC
by **Cory House**   Intermediate   5h 8m   12 Aug 2015   ★★★★★

HTML5 Web Component Fundamentals CC
by **Cory House**   Beginner   5h 3m   09 Jan 2015   ★★★★⯪

Becoming an Outlier: Reprogramming the Developer Mind CC
by **Cory House**   Intermediate   2h 33m   23 Apr 2014   ★★★★⯪

Architecting Applications for the Real World in .NET CC
by **Cory House**   Intermediate   2h 52m   07 Jan 2014   ★★★★⯪

Clean Code: Writing Code for Humans CC
by **Cory House**   Intermediate   3h 10m   07 Oct 2013   ★★★★⯪