

Section 3

Creating MVC Apps with Express.js



In this Section, we are going to take a look at...

- Express.js basics
- MVC
- Routing
- Scaffolding an app
- Templating with Handlebars

Web Development with Node.js and MongoDB

Andrew Marcinkevičius

Video 3.1

Express.js Basics



In this Video, we are going to take a look at...

- What is Express.js
- Sample application
- Additional information

Express.js

- Fast, minimalist web framework
- Most popular Node.js MVC framework
- Small and robust tools
- Single page applications, web sites, and public APIs
- Pluggable

Frameworks

- Faster and better development
- Solutions for repeating problems
- Focus on solving your problems

Middleware

- Extends functionality
- Access to request and response
- Executes code to achieve their purpose


```
1 'use strict';  
2  
3 // const express = require('express');  
4 // const app = express();  
5  
6 // app.get('/', function (request, response) {  
7 //     response.send('Hello World');  
8 // });  
9  
10 // app.listen(3000);  
11  
12 // console.log('Open: http://127.0.0.1:3000/');  
13
```


FOLDERS

- code
 - 1
 - 2
 - 3
 - 3.1
 - 01-express-hello-world.js
 - package.json
 - 3.2
 - 3.3
 - 3.4
 - 3.5
 - 4
 - 5
 - 6
 - 7
 - 8
- export-environment-variables.sh
- scripts

01-express-hello-world.js

```
1 'use strict';
2
3 const express = require('express');
4 const app = express();
5
6 app.get('/', function (request, response) {
7     response.send('Hello World');
8 });
9
10 app.listen(3000);
11
12 console.log('Open: http://127.0.0.1:3000/');
13
```

Rewind 15s

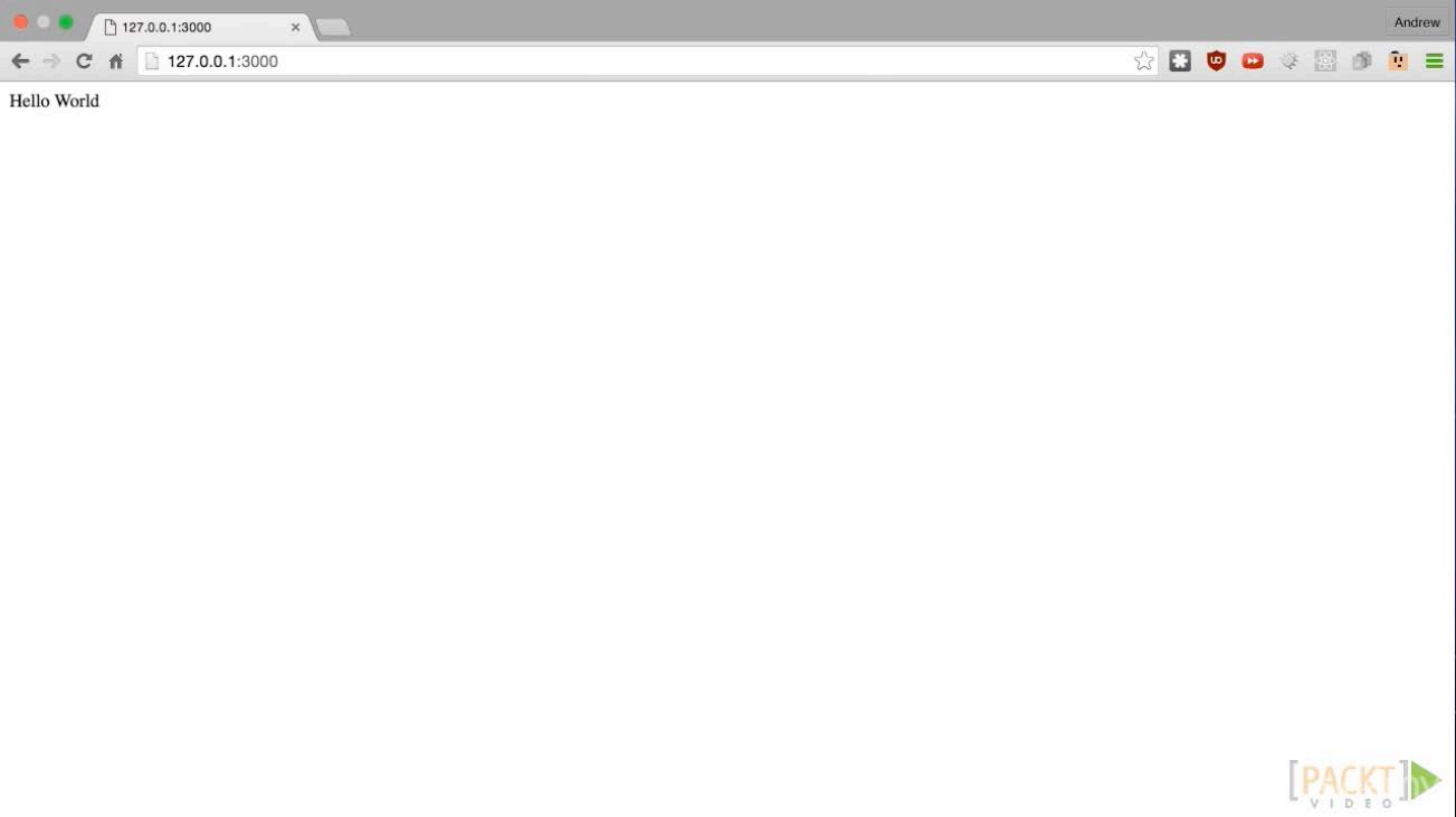
3:28 / 4:39

```
$ echo '{}' > package.json
```

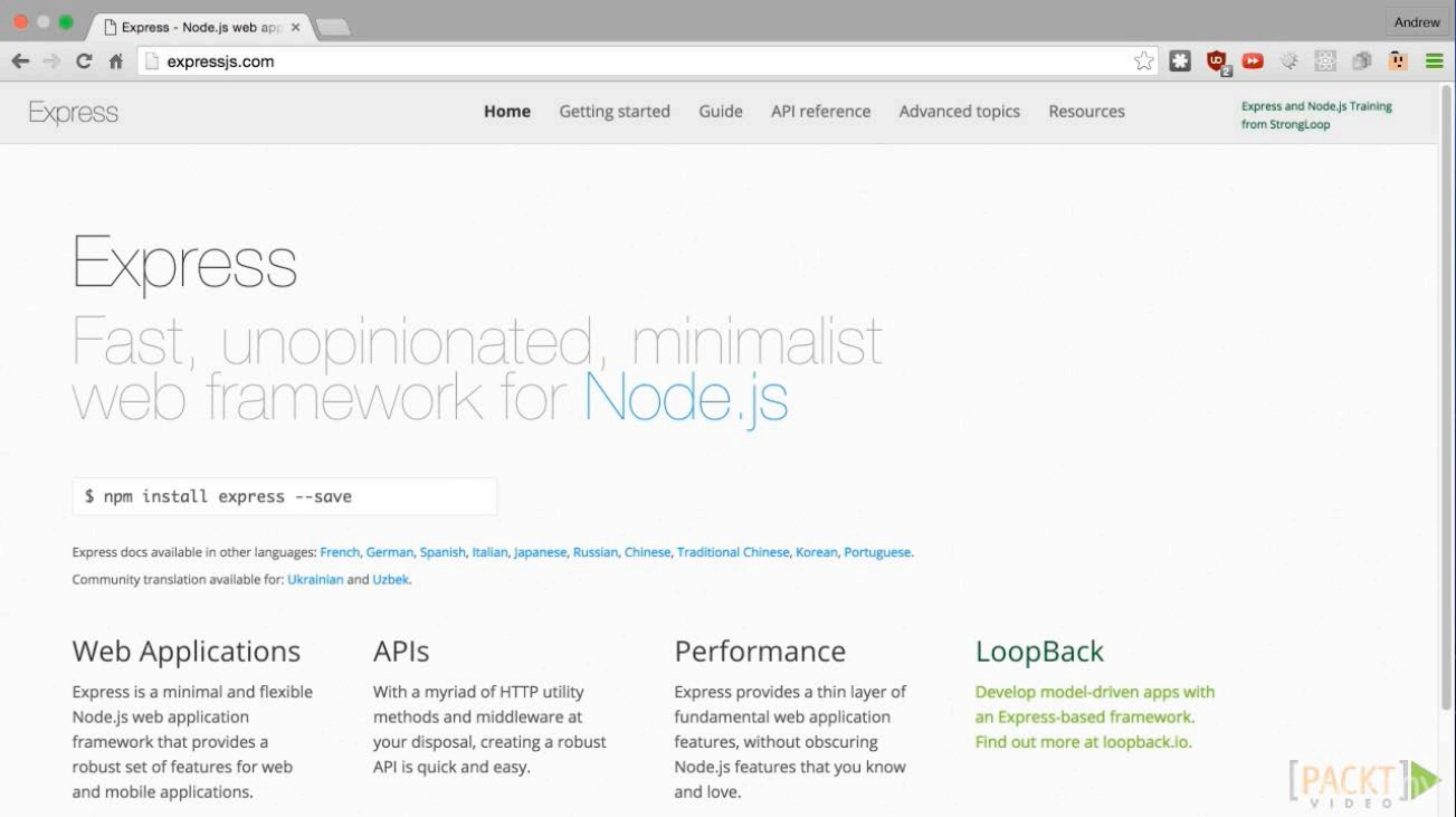
```
$ npm install --save express@4
```

[illegible]

```
ifdattic at ifdattic-mbp13 in ~/projects/nodejs-mongodb-video-course/code/3/3.1 on master [!]  
$ node 01-express-hello-world.js  
Open: http://127.0.0.1:3000/  
█
```



Hello World



Express

Fast, unopinionated, minimalist
web framework for **Node.js**

```
$ npm install express --save
```

Express docs available in other languages: [French](#), [German](#), [Spanish](#), [Italian](#), [Japanese](#), [Russian](#), [Chinese](#), [Traditional Chinese](#), [Korean](#), [Portuguese](#).

Community translation available for: [Ukrainian](#) and [Uzbek](#).

Web Applications

Express is a minimal and flexible Node.js web application framework that provides a robust set of features for web and mobile applications.

APIs

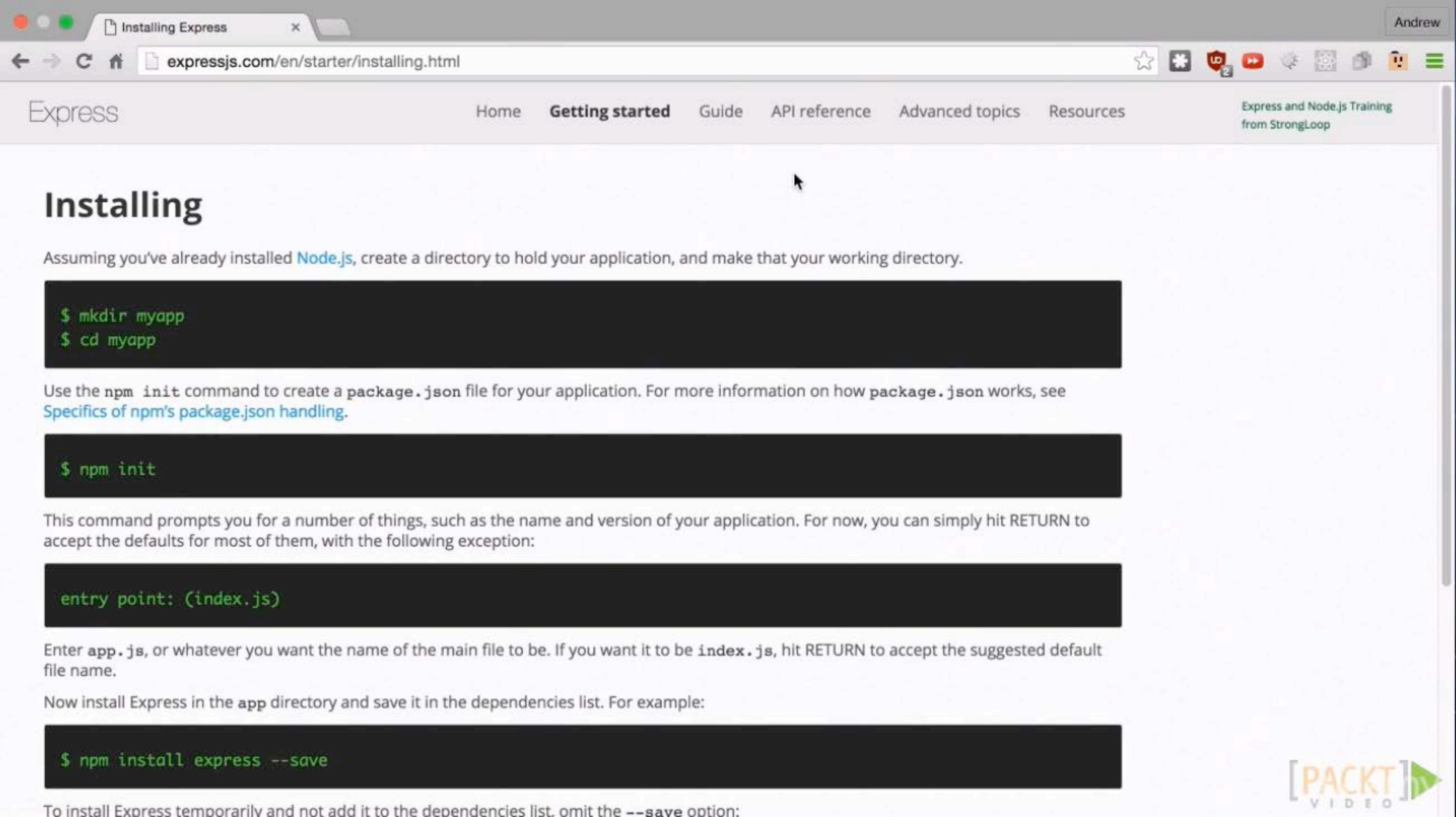
With a myriad of HTTP utility methods and middleware at your disposal, creating a robust API is quick and easy.

Performance

Express provides a thin layer of fundamental web application features, without obscuring Node.js features that you know and love.

LoopBack

Develop model-driven apps with an Express-based framework.
Find out more at loopback.io.



Installing

Assuming you've already installed [Node.js](#), create a directory to hold your application, and make that your working directory.

```
$ mkdir myapp
$ cd myapp
```

Use the `npm init` command to create a `package.json` file for your application. For more information on how `package.json` works, see [Specifics of npm's package.json handling](#).

```
$ npm init
```

This command prompts you for a number of things, such as the name and version of your application. For now, you can simply hit RETURN to accept the defaults for most of them, with the following exception:

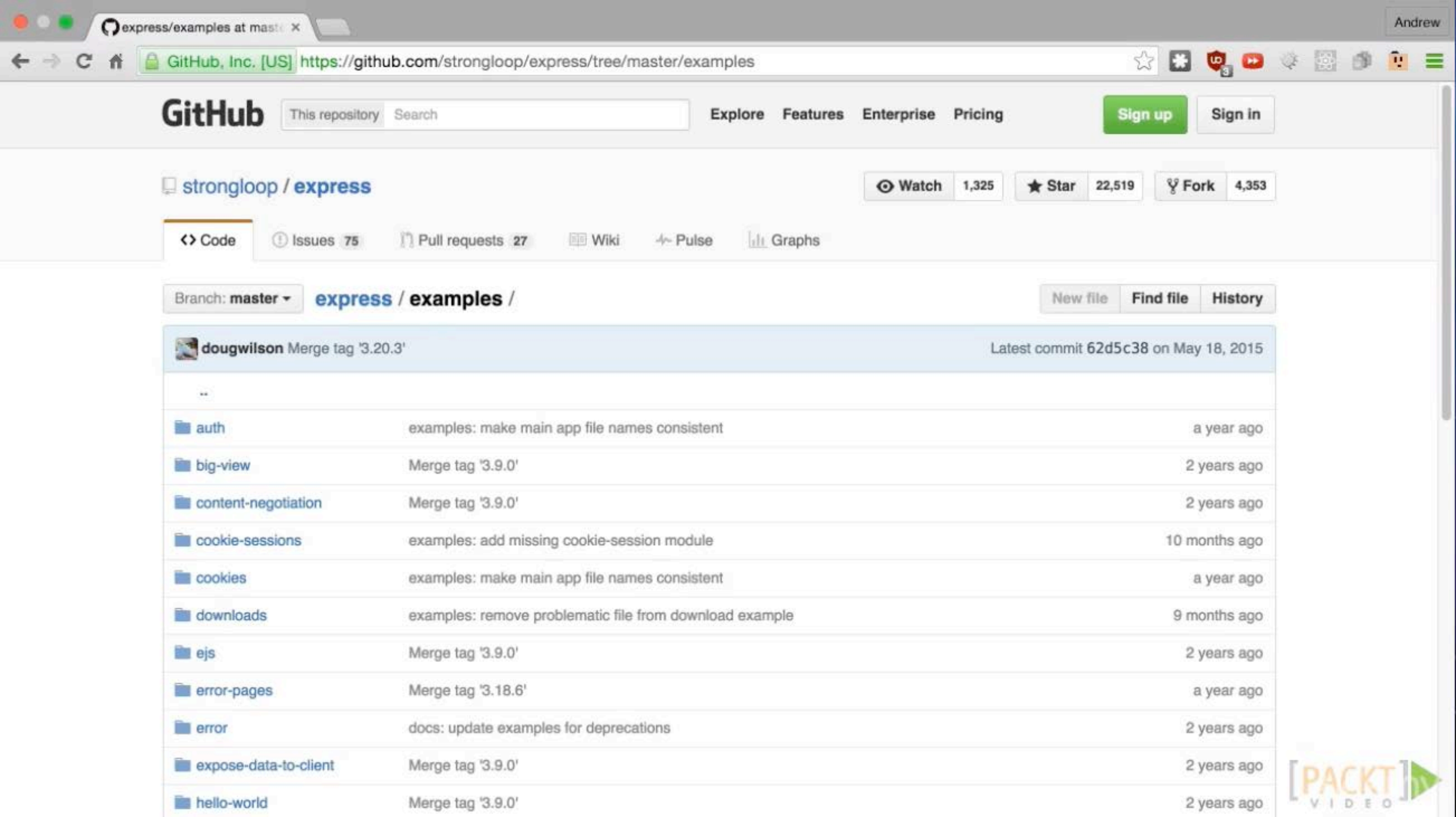
```
entry point: (index.js)
```

Enter `app.js`, or whatever you want the name of the main file to be. If you want it to be `index.js`, hit RETURN to accept the suggested default file name.

Now install Express in the `app` directory and save it in the dependencies list. For example:

```
$ npm install express --save
```

To install Express temporarily and not add it to the dependencies list, omit the `--save` option:



GitHub

This repository

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Pricing

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strongloop / express

Watch

1,325

★ Star

22,519

🍴 Fork

4,353

<> Code

Issues 75

Pull requests 27

Wiki

Pulse

Graphs

Branch: master

express / examples /

New file

Find file

History



dougwilson Merge tag '3.20.3'

Latest commit 62d5c38 on May 18, 2015

..

auth

examples: make main app file names consistent

a year ago

big-view

Merge tag '3.9.0'

2 years ago

content-negotiation

Merge tag '3.9.0'

2 years ago

cookie-sessions

examples: add missing cookie-session module

10 months ago

cookies

examples: make main app file names consistent

a year ago

downloads

examples: remove problematic file from download example

9 months ago

ejs

Merge tag '3.9.0'

2 years ago

error-pages

Merge tag '3.18.6'

a year ago

error

docs: update examples for deprecations

2 years ago

expose-data-to-client

Merge tag '3.9.0'

2 years ago

hello-world

Merge tag '3.9.0'

2 years ago



Next Video

MVC