



EXPRESS

- LEVEL FIVE -

.....



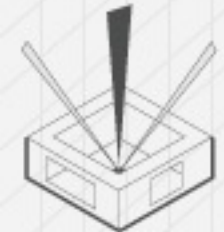


EXPRESS



“Sinatra inspired web development framework for Node.js --
insanely fast, flexible, and simple”

- Easy route URLs to callbacks
- Middleware (from Connect)
- Environment based configuration
- Redirection helpers
- File Uploads



EXPRESS





```
var express = require('express');
```

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

```
var app = express();
```

Installs the module and adds to package.json

```
app.get('/', function(request, response) {  
  response.sendFile(__dirname + "/index.html");  
});
```

root route

current directory

```
app.listen(8080);
```

```
$ curl http://localhost:8080/  
> 200 OK
```

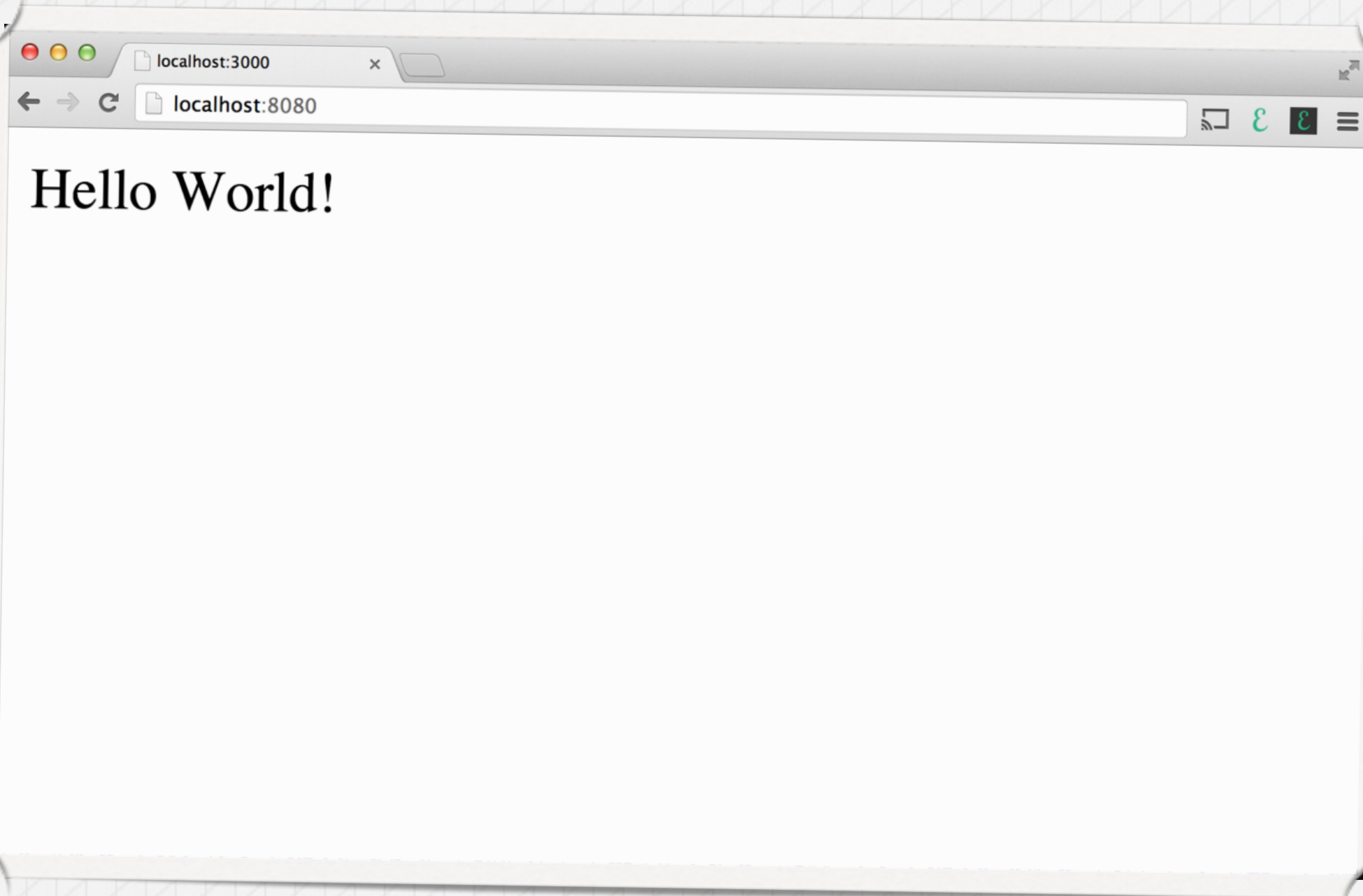


EXPRESS





INTRODUCING EXPRESS



EXPRESS





EXPRESS ROUTES

app.js

```
var request = require('request');
var url = require('url');

app.get('/tweets/:username', function(req, response) {

  var username = req.params.username;

  options = {
    protocol: "http:",
    host: 'api.twitter.com',
    pathname: '/1/statuses/user_timeline.json',
    query: { screen_name: username, count: 10 }
  }

  var twitterUrl = url.format(options);
  request(twitterUrl).pipe(response);
});
```

route definition

get the last 10 tweets for screen_name

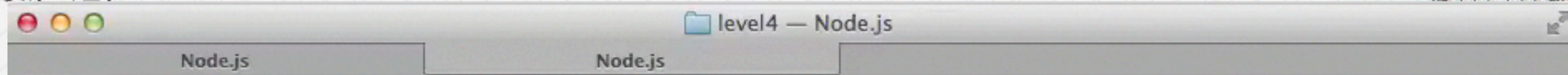
pipe the request to response



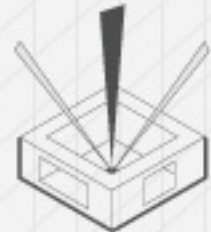
EXPRESS



EXPRESS ROUTES



\$

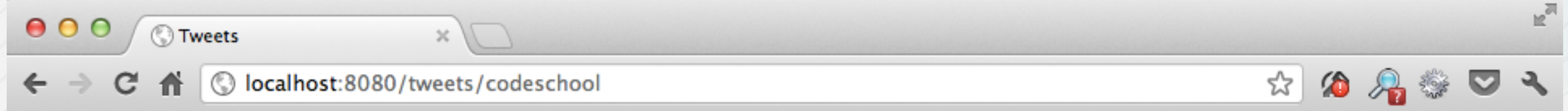


EXPRESS





EXPRESS + HTML



Tweets for @codeschool

- @seandevineinc let us know how it goes, and good luck
- @larzconwell Nope, we didn't give those away. The one David has comes from <http://t.co/XrvybxnS> ^OL
- We just released a new Code TV screencast for enrolled members. Part of 1 of @markkendall's jQuery Mobile series. <http://t.co/FstmuYEM>
- ^vc
- We also have stickers..
- Are you at Railsconf? Come by the beginner track room.. we're giving away free Rails for Zombies T-shirts (while they last) #railsconf
- We themed out our Code School store. Check it out <http://t.co/VOZCgorM> ^vc
- Have you gotten your Code School & Zombies t-shirts yet? Check out our \$19 sale this week... <http://t.co/b7JUMfxy> ^vc



EXPRESS





my_app/package.json

```
"dependencies": {  
  "express": "4.9.6",  
  "ejs": "1.0.0"  
}
```

```
$ npm install --save ejs
```

← Installs the module and adds to package.json

/Home/eric/my_app/views

← default directory



EXPRESS





EXPRESS TEMPLATES



app.js

```
app.get('/tweets/:username', function(req, response) {  
  ...  
  request(url, function(err, res, body) {  
    var tweets = JSON.parse(body);  
    response.locals = {tweets: tweets, name: username};  
    response.render('tweets.ejs');  
  });  
});
```

<h1>Tweets for @<%= name %></h1>

<% tweets.forEach(function(tweet){ %>

<%= tweet.text %>

<% }); %>

views/tweets.ejs



EXPRESS

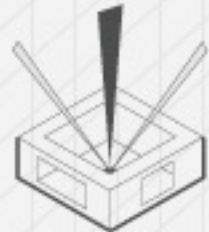
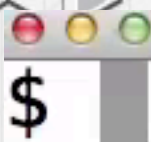




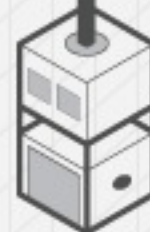
EXPRESS TEMPLATES



level4 — Node.js



EXPRESS





TEMPLATE LAYOUTS



EXPRESS

