EXPRESS

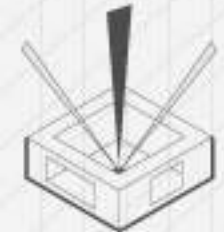*"Sinatra inspired web development framework for Node.js -- insanely fast, flexible, and simple"*

- **Easy route URLs to callbacks**

- **Middleware (from Connect)**

- **Environment based configuration**

- **Redirection helpers**

- **File Uploads**

EXPRESS

INTRODUCING EXPRESS

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

```
$ npm install express
```
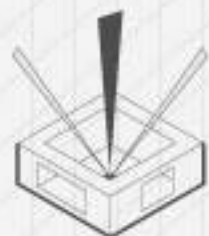
```
var app = express();
```

root route

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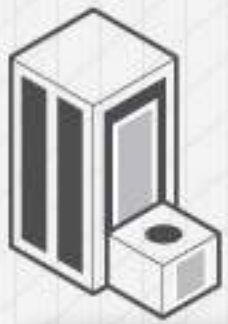
current directory

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

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

EXPRESS

EXPRESS ROUTES

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

route definition

```
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}
  }
```

get the last 10 tweets for screen_name

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

pipe the request to response

EXPRESS

EXPRESS + HTML

localhost:8080/tweets/codeschool
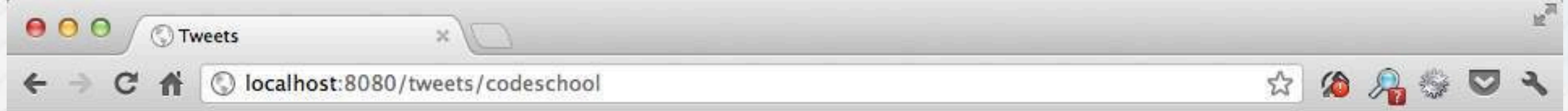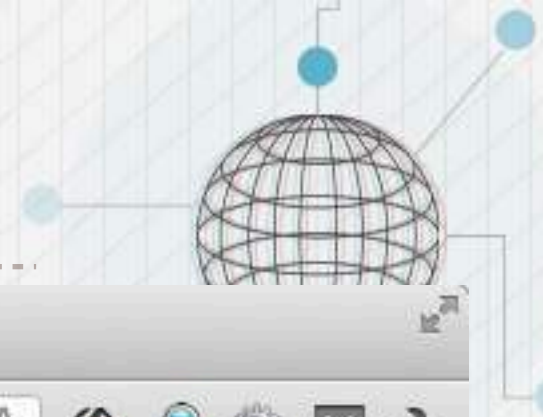
Tweets for @codeschool

- @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
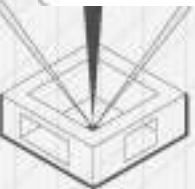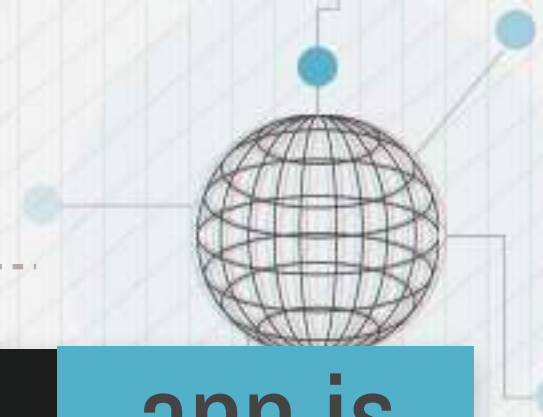
EXPRESS
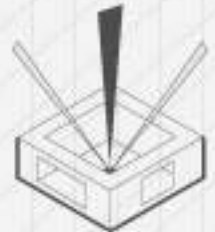
EXPRESS TEMPLATES

app.js

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

tweets.ejs

```html
<h1>Tweets for @<%= name %></h1>
<ul>
  <% tweets.forEach(function(tweet){ %>
    <li><%= tweet.text %></li>
  <% }); %>
</ul>
```

EXPRESS

TEMPLATE LAYOUTS

```
<h1>Tweets for @<%= name %></h1>
<ul>
  <% tweets.forEach(function(tweet){ %>
    <li><%= tweet.text %></li>
  <% }); %>
</ul>
```
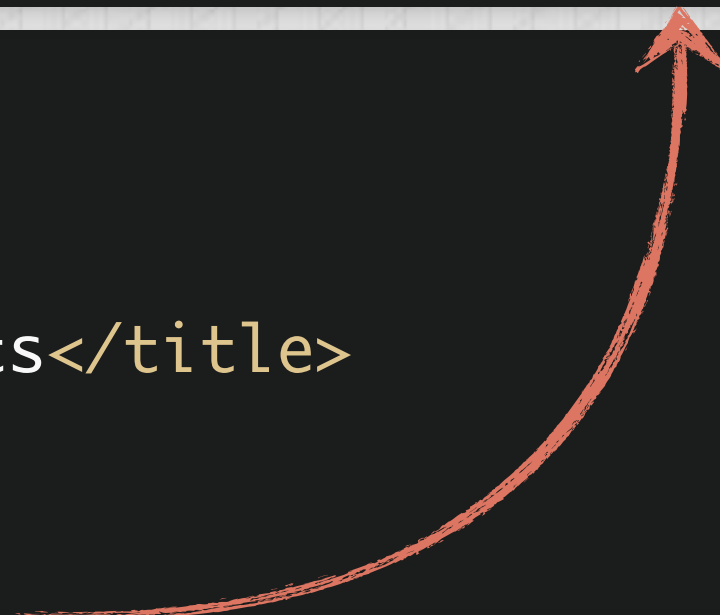
```
<!DOCTYPE html>
<html>
  <head>
    <title>Tweets</title>
  </head>
  <body>
    <%- body %>
  </body>
</html>
```

EXPRESS