

express

MODULE 10

EXPRESS.JS

Express

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

INTRODUCING EXPRESS

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

```
$ npm install express
```

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

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

root route

current directory

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

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

EXPRESS ROUTES

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

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

app.js

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

route definition

```
  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

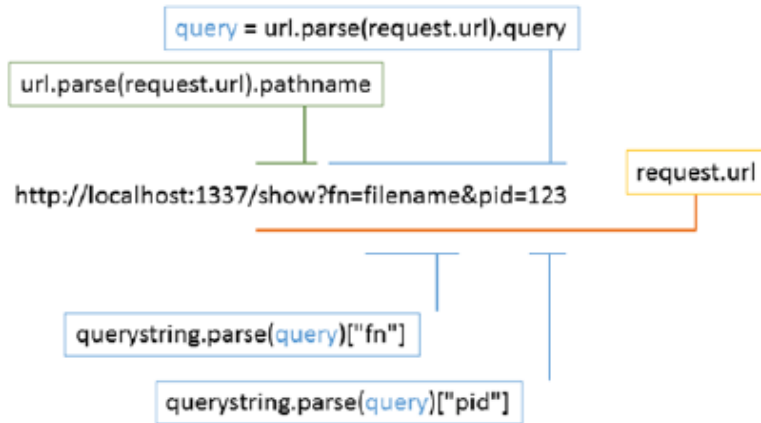
```
  var twitterUrl = url.format(options);
```

```
  request(twitterUrl).pipe(response);
```

```
});
```

pipe the request to response

EXPRESS ROUTES



EXPRESS TEMPLATES

```
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});  
  });  
});
```

app.js

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

tweets.ejs