

Add Bootstrap to your Nodejs Project

The Initial Project

Create a simple Node project like the one below.

```
quotes-app
├── app.js
├── package.json
├── package-lock.json
└── views
    └── index.html
```

Create a folder for your project and initialize it as Node project, `npm init -y`.

Create the server file, `app.js` (`touch server.js`), and other directories (`mkdir views`).

Let's install `express` to configure a lightweight Node server.

```
npm i express // Already done
```

We can now create our basic server.

```
const express = require("express")
const express = require("express")
const path = require('path')

const app = express();

app.get("/", (req, res) => {
  res.sendFile(path.join(__dirname, 'views/index.html'))
});

app.listen(5000, () => {
  console.log('Listening on port ' + 5000);
});
```

Adding Bootstrap CSS

Using a CDN

Now is the time to modify our `index.html` so that we can add Bootstrap CSS.

```
<!doctype html>
```

```

<html lang="en">
  <head>
    <!-- Required meta tags -->
    <meta charset="utf-8">
    <meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no">

    <!-- Bootstrap CSS -->
    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"
integrity="sha384-
9alt2nRpC12Uk9gS9baDI411NQApFmC26EwAOH8WgZl5MYXxHfc+NcPb1dKGj7Sk"
crossorigin="anonymous">

    <title>Hello, the world!</title>
  </head>
  <body>
    <div class="jumbotron">
      <div class="container"><h1>Hello, the world!</h1></div>
    </div>

    <!-- Optional JavaScript -->
    <!-- jQuery first, then Popper.js, then Bootstrap JS -->
    <script src="https://code.jquery.com/jquery-3.5.1.slim.min.js" integrity="sha384-
DfXdz2htPH0lsSSs5nCTpuj/zy4C+OGpamoFVy38MVBnE+IbbVYUew+OrCXaRkfj"
crossorigin="anonymous"></script>
    <script src="https://cdn.jsdelivr.net/npm/popper.js@1.16.0/dist/umd/popper.min.js"
integrity="sha384-
Q6E9RHvblyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtm13UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"
integrity="sha384-OgVRvuATP1z7JjHLkuOU7Xw704+h835Lr+6QL9UvYjZE3Ipu6Tp75j7Bh/
kR0JkI" crossorigin="anonymous"></script>
  </body>
</html>

```

added two Bootstrap classes: container and jumbotron.

Restart your server and go check if Bootstrap is on the page (just see if a fluid jumbotron is there).

Using npm

The first thing you have to do here is to install packages, which are bootstrap and optionally jquery.

```
npm i bootstrap jquery --save
```

To make use of these files we have to modify our app.js so that it will serve them to us.

```
// app.js
const express = require("express")
const path = require('path')

const app = express();

app.use('/css', express.static(path.join(__dirname, 'node_modules/bootstrap/dist/css')))
app.use('/js', express.static(path.join(__dirname, 'node_modules/bootstrap/dist/js')))
app.use('/js', express.static(path.join(__dirname, 'node_modules/jquery/dist')))

app.get("/", (req, res) => {
  res.sendFile(path.join(__dirname, 'views/index.html'))
});

app.listen(5000, () => {
  console.log('Listening on port ' + 5000);
});
```

Thanks to `express.static()` we are able to serve up Bootstrap without any difficulty.

Now we can make use of Bootstrap in our HTML Pages by just linking to it as `<link rel="stylesheet" href="./css/bootstrap.min.css">`.