# 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 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-</pre>
fit=no">
    <!-- Bootstrap CSS -->
    <link rel="stylesheet"</pre>
href="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/css/bootstrap.min.css"
integrity="sha384-
9alt2nRpC12Uk9qS9baDl411NQApFmC26EwAOH8WqZl5MYYxFfc+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-</pre>
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"</pre>
integrity="sha384-
Q6E9RHvblyZFJoft+2mJbHaEWldlvl9IOYy5n3zV9zzTtml3UksdQRVvoxMfooAo"
crossorigin="anonymous"></script>
    <script src="https://stackpath.bootstrapcdn.com/bootstrap/4.5.0/js/bootstrap.min.js"</pre>
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.

```
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 linking to it