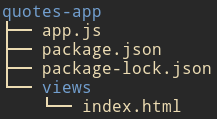
# How to Add Bootstrap to your Nodejs Project

## The Initial Project

Create a simple Node project like the one below.

[](https://res.cloudinary.com/practicaldev/image/fetch/s--5ijh9TWu--/c_limit%2Cf_auto%2Cfl_progressive%2Cq_auto%2Cw_880/https://dev-to-uploads.s3.amazonaws.com/i/otw8lr14bhjgnumwlrgp.png)

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="sha384-9aIt2nRpC12Uk9gS9baDl411NQApFmC26EwAOH8WgZl5MYYxFfc+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-Q6E9RHvbIyZFJoft+2mJbHaEWldlvI9IOYy5n3zV9zzTtmI3UksdQRVvoxMfooAo" 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">.