**Projet E-Commerce MERN Stack**

**npm init –yes** // initialiser le projet et créer **package.json**

**npm install express dotenv // nodemon**

**npm install mongoose**

**npm i uuid**

**npm i express-validator@5 //**

**JSON Web Token Introduction - jwt.io**

npm i jsonwebtoken // générer les tokens

npm i cookie-parser // pour gérer les cookies

npm i express-jwt // pour lire les tokens JWT create with jsonwentoken :   
 // lire le token envoyé de la partie client

**token : eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI1ZjdjN2RkYzliMmY0NTA5ZjQwNTMwYTIiLCJpYXQiOjE2MDIwMTc5NDN9.N\_4oriwBYsHN2d0CdBLDJ4DfUSwMIZtXtAT7LMRHN-0**

**PREFIX : Bearer**

**Upload image in node JS**

**multer** ou **formidable**

npm install formidable

npm view formidable version

#### npm i joi

#### ----

#### // The most powerful schema description language and data validator for JavaScript.

#### Lodash

## Why Lodash?

Lodash makes JavaScript easier by taking the hassle out of working with arrays,  
numbers, objects, strings, etc. Lodash’s modular methods are great for:

* Iterating arrays, objects, & strings
* Manipulating & testing values
* Creating composite functions

Lodash

npm i lodash (on va l’utiliser pour faire mapping entre deux objet)

https://www.aliexpress.com/category/44/?CatId=44&ltype=wholesale&SortType=price\_asc&page=1&groupsort=1&isrefine=y

44 : segment dynamique ou paramètre

/?CatId=44&ltype=wholesale&SortType=price\_asc&page=1 : queries

# Cross-Origin Resource Sharing (CORS)

**npm i cors**

# react js

**intégrer bootstrap matérial design**

[**https://mdbootstrap.github.io/bootstrap-material-design/**](https://mdbootstrap.github.io/bootstrap-material-design/)

<link rel="stylesheet" href="https://fonts.googleapis.com/css?family=Roboto:300,400,500,700|Material+Icons">

<link rel="stylesheet" href="https://unpkg.com/bootstrap-material-design@4.1.1/dist/css/bootstrap-material-design.min.css" integrity="sha384-wXznGJNEXNG1NFsbm0ugrLFMQPWswR3lds2VeinahP8N0zJw9VWSopbjv2x7WCvX" crossorigin="anonymous">

<script src="https://code.jquery.com/jquery-3.2.1.slim.min.js" integrity="sha384-KJ3o2DKtIkvYIK3UENzmM7KCkRr/rE9/Qpg6aAZGJwFDMVNA/GpGFF93hXpG5KkN" crossorigin="anonymous"></script>

<script src="https://unpkg.com/popper.js@1.12.6/dist/umd/popper.js" integrity="sha384-fA23ZRQ3G/J53mElWqVJEGJzU0sTs+SvzG8fXVWP+kJQ1lwFAOkcUOysnlKJC33U" crossorigin="anonymous"></script>

<script src="https://unpkg.com/bootstrap-material-design@4.1.1/dist/js/bootstrap-material-design.js" integrity="sha384-CauSuKpEqAFajSpkdjv3z9t8E7RlpJ1UP0lKM/+NdtSarroVKu069AlsRPKkFBz9" crossorigin="anonymous"></script>

**In react projet**

**npm i react-router-dom** // install Router system

    "react-router-dom": "^5.2.0",

**Install plugin**

ES7 React/Redux/GraphQL/React-Native snippets