**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

# toastr

npm i toastr

npm view react version

npm i query-string 🡺 for creating a query string

moment.js

**npm i moment**

# Work with redux

Installer deux packages : **redux** and **react-redux**

**npm i redux react-redux**

# install lodash // library javascript

**npm i lodash**

## Comparison of Stripe, Braintree, and PayPal

|  |  |  |  |
| --- | --- | --- | --- |
| **Payment Platform** | **Stripe (not support in Morroco)** | **Braintree (support Morocco)** | **PayPal (support morroco)** |
| Type | Payment platform (Merchant account, gateway, processor) | Payment platform (Merchant account, gateway, processor) | Payment platform (Merchant account, gateway, processor) |
| Fees | No monthly fee 2.9% + $0.30/ transaction 2%/ transaction - currency conversion $15/ chargeback | No monthly fee 2.9% + $0.30/ transaction 1%/ transaction - currency conversion $15/ chargeback | $30/ month - Payments Pro 2.9% + $0.30/ transaction 1-4%/ transaction - currency conversion $20 per chargeback |
| Payment Methods | AliPay, Android Pay, Apple Pay, Bitcoin, ACH | PayPal, Venmo, Android Pay, Apple Pay, Bitcoin | PayPal |
| Payment Cards | Visa, MasterCard, AMEX, and others | Visa, MasterCard, AMEX, and others | Visa, Mastercard, AMEX, and others |
| Availability | 25 countries | 46 countries | 202+ countries |
| Refund Policy | Returns a transaction fee for issued refund | Returns a transaction fee for issued refund | Returns a partial transaction fee for issued refund |
| Payouts | Within 2 days | Within 2 days | Within 2 days |
| Special Offers | Discounts for large-volume clients | No fees for the first $50,000 | Discounts for large-volume clients |
| PCI Compliant | Yes | Yes | Yes |
| Supported Platforms | Ruby, Python, PHP, Java, Node.js, Go, Android, iOS | Ruby, Python, PHP, Node.js, Java, Android, iOS | Ruby, Python, PHP, Node.js, Java, iOS, Android |
| Other features | No monthly fees Fraud protection Support for recurring billing | No monthly fees Fraud protection Support for recurring billing | Monthly fees Fraud protection Support for recurring billing |

Now that we’ve considered how Stripe, Braintree, and PayPal differ, let’s compare their key features:

**https://rubygarage.org/blog/stripe-vs-braintree-vs-paypal-how-do-these-payment-platforms-compare**

There’s no straightforward answer as to which payment platform you should choose. You can even use Stripe and Braintree, as Lyft did. Roughly speaking, your choice should be based on your business needs, the payment methods your customers prefer, and the availability of services in markets to which you would like to expand.

# Install Package BrainTree

**npm i braintree**

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**npm i braintree-web-drop-in-react**