



WHAT IS NPM



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Art Credit : Wasabi big hero 6



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Lets say you want to build a Car

What will you do ?




Or get the pre-made parts ,
attach them and modify
according to your needs



You can start to build
everything from scratch
which will take a lot of
time and effort



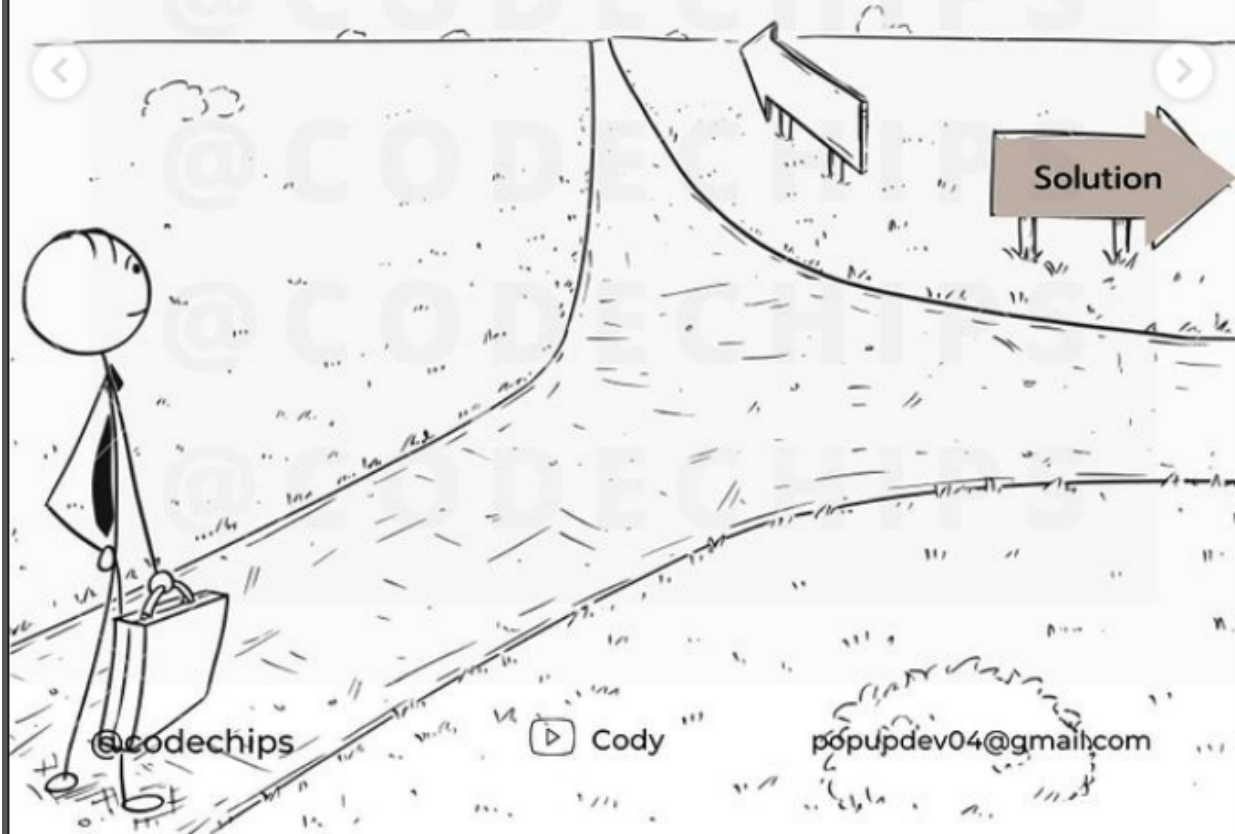
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But where will you get all these parts ?
Who will make sure to send you all
necessary tools along with it ?



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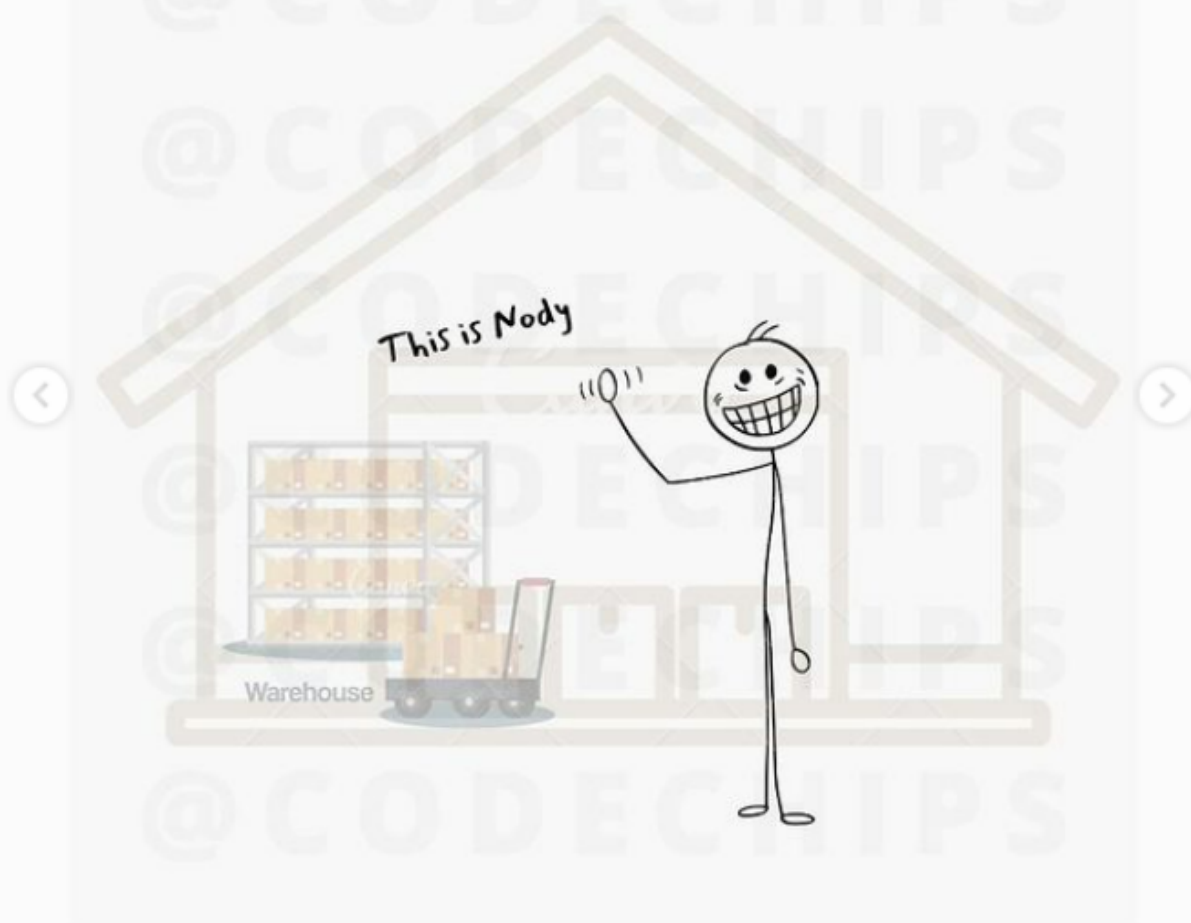
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That is where Nody comes to the rescue

Nody owns a Warehouse



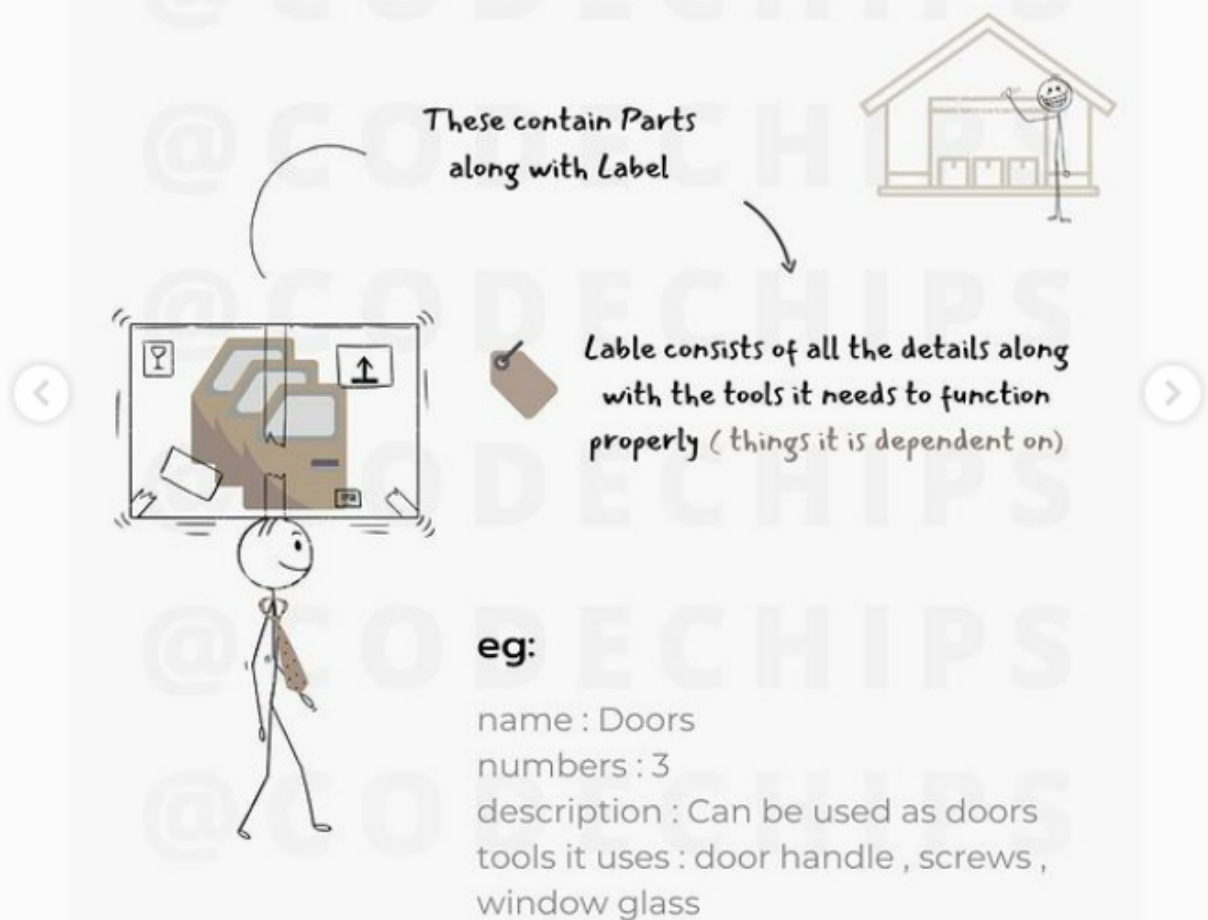
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Sellers create the Parts and
Provide it to the warehouse






Nody then delivers the items from the warehouse to the customer's place



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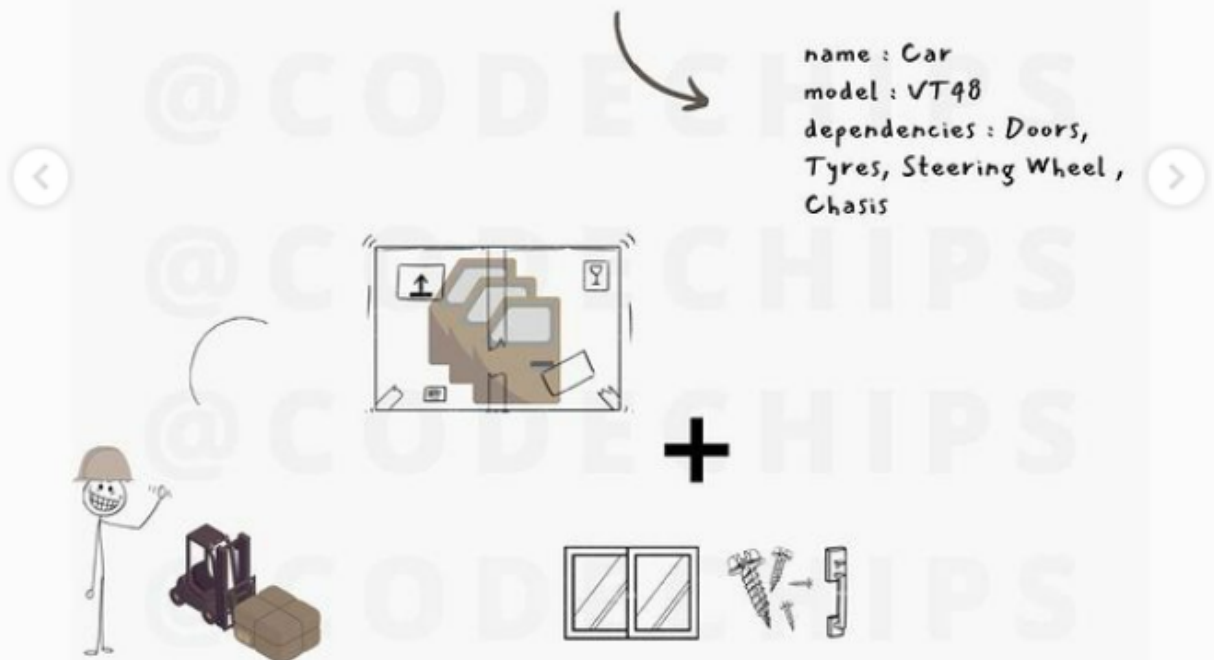


While delivering Nody checks the label and delivers the parts along with all tools needed and also adds the door part (part delivered) as dependency in the Car's lable

So from next on Car will automatically get all the needed parts too

Car Lable :

name : Car
model : VT48
dependencies : Doors,
Tyres, Steering Wheel ,
Chasis





NPM works in the same way Nody does
but for JavaScript projects

What is NPM ?

NPM – or "Node Package Manager" – is the default
package manager for JavaScript's runtime Node.js

Consists of 2 things

npm



```
> npm install -g @angular/cli
```



A CLI tool for publishing
and downloading packages



an online repository that
hosts JavaScript packages





The main goal, is automated dependency and package management.

You can specify all of your project's dependencies inside your **package.json** file, then any time you can just run npm install and immediately have all of the dependencies installed

Example:

```
git clone https://github.com/documentcloud/underscore.git
cd vows
npm install
```

package.json

```
{
  "name": "underscore",
  "description": "JavaScript's functional programming helper library.",
  "homepage": "http://documentcloud.github.com/underscore/",
  "keywords": ["util", "functional", "server", "client", "browser"],
  "author": "Jeremy Ashkenas <jeremy@documentcloud.org>",
  "contributors": [],
  "dependencies": {},
  "repository": {"type": "git", "url": "git://github.com/documentcloud/underscore.git"},
  "main": "underscore.js",
  "version": "1.1.6"
}
```