

NODE JS

LECTURE 2

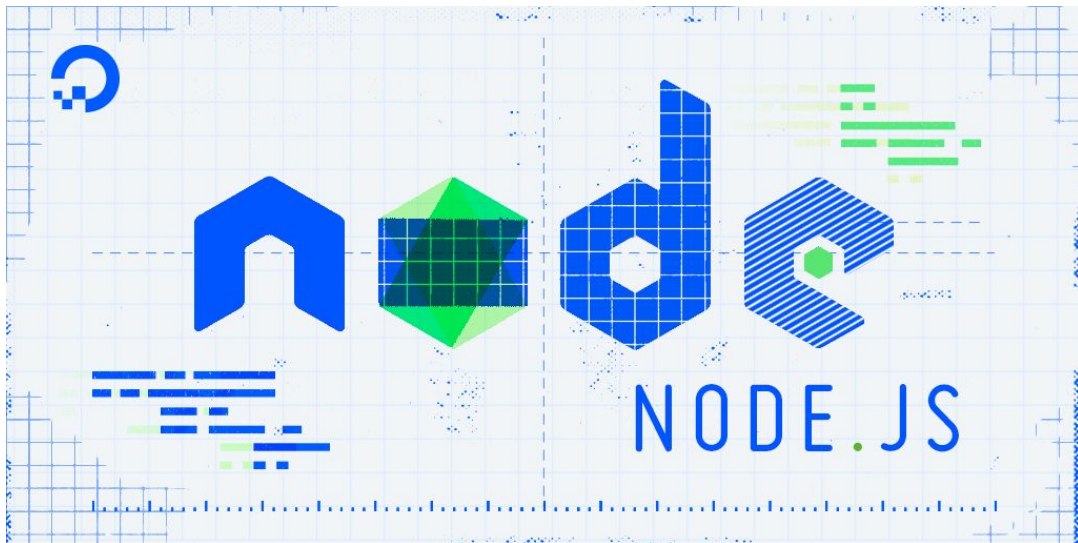
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AGENDA

- custom modules
- NPM(node modules , package.json)
- HTTP Request & Response
- Express
- What is Restful api
- How to serve static files
- Node js debugging

CUSTOM MODULES

- How it works
- 5 Global Variables(require , module , __dirname , __filename , exports)
- Native Modules
- Caching



NPM

Every Node application has a `package.json` file that includes metadata about the application. This includes the name of the application, its version, dependencies, etc.

We use NPM to download and install 3rd-party packages from NPM registry.

- All the installed packages and their dependencies are stored under `node_modules` folders.

```
// Install a package
```

```
npm i <packageName>
```

```
// Install a specific version of a package
```

```
npm i <packageName>@<version>
```

```
// Install a package as a development dependency
```

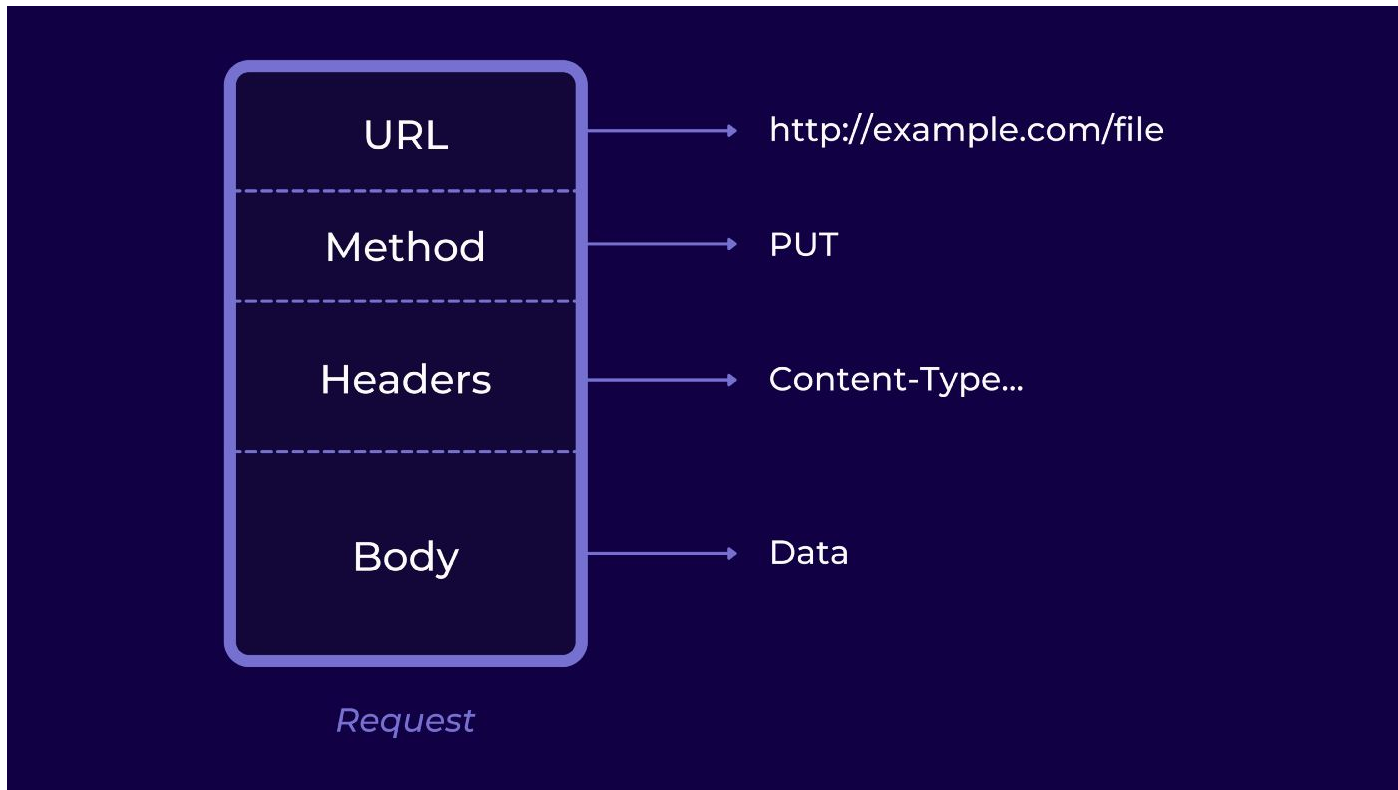
```
npm i <packageName> --save-dev
```

```
// Uninstall a package
```

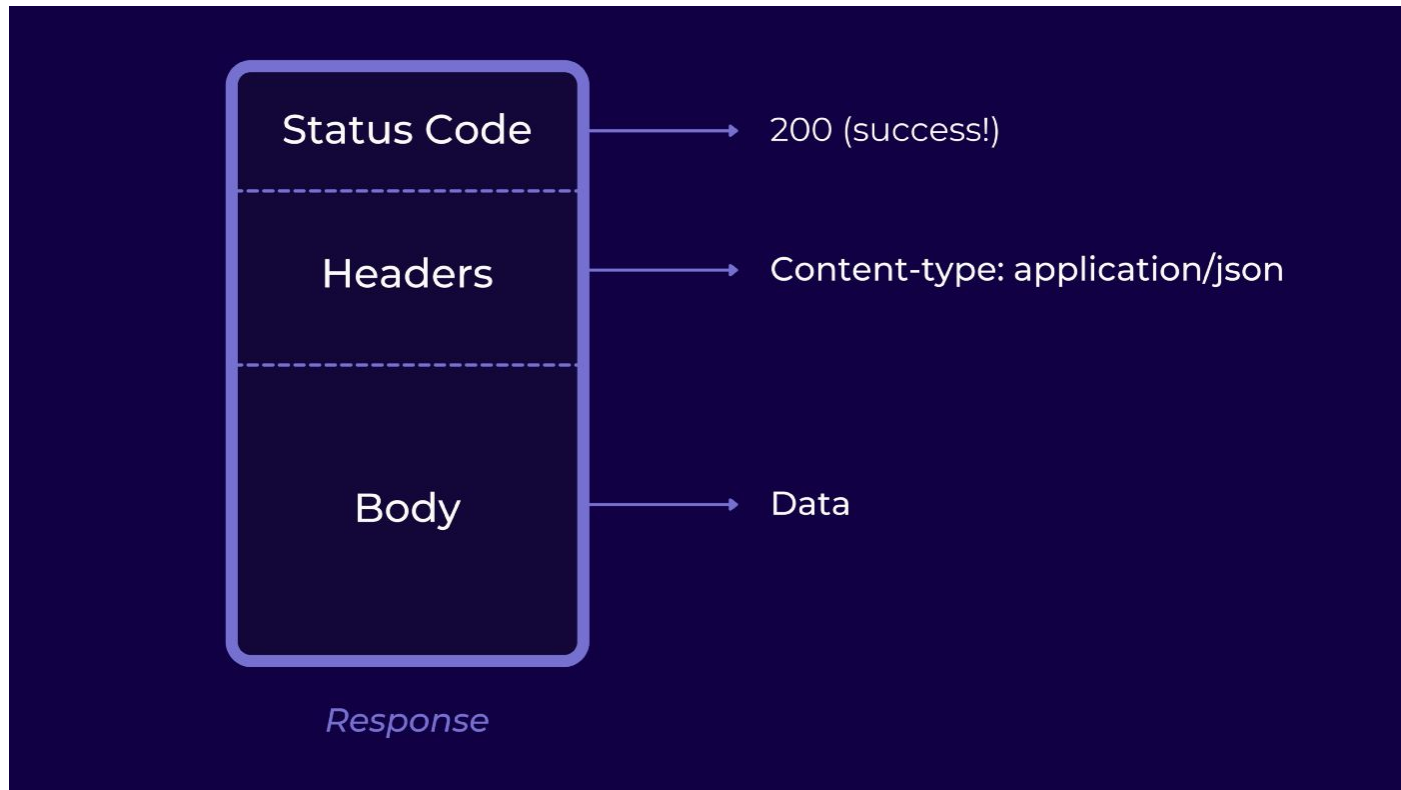
```
npm uninstall <packageName>
```

```
Npm install
```

HTTP REQUEST



HTTP RESPONSE



EXPRESS JS

Express is a minimal and flexible Node.js web application framework that provides a robust set of features to develop web and mobile applications. It facilitates the rapid development of Node based Web applications. Following are some of the core features of Express framework -

- Allows to set up middlewares to respond to HTTP Requests.
- Defines a routing table which is used to perform different actions based on HTTP Method and URL.
- Allows to dynamically render HTML Pages based on passing arguments to templates

```
// Install a package  
npm i express
```

RESTFUL API

Posts

GET

`/posts/` Get Posts



POST

`/posts/` Create Posts

GET

`/posts/{id}` Get Post

PUT

`/posts/{id}` Update Post

DELETE

`/posts/{id}` Delete Post

THANK YOU