

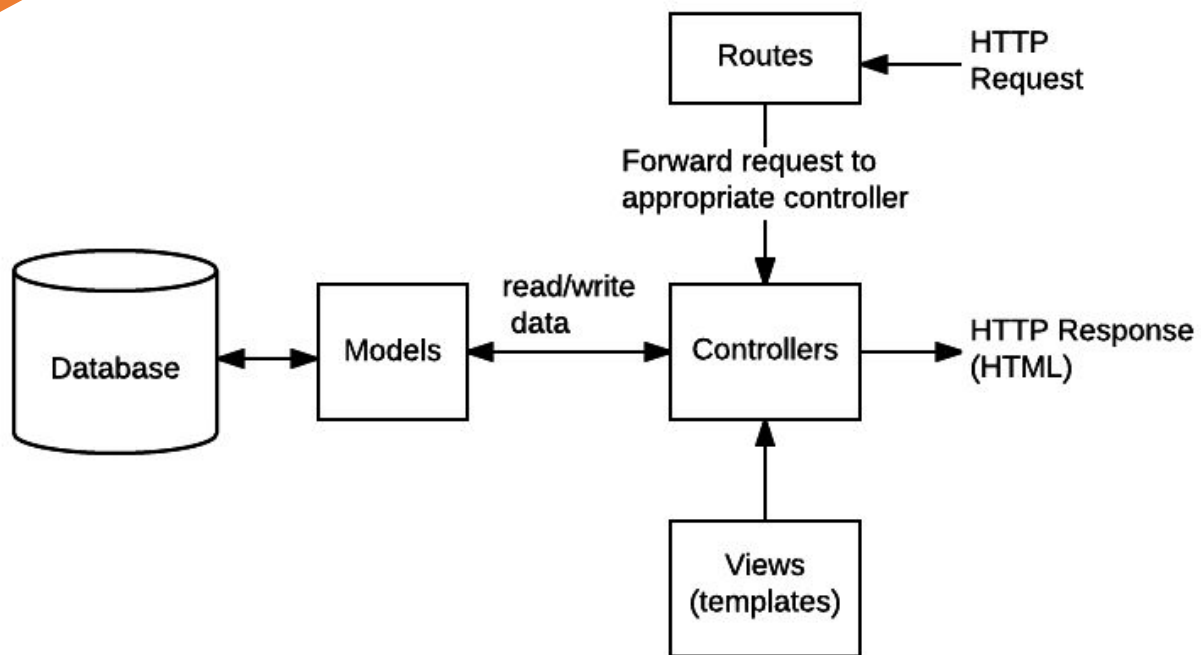


EP.3

Controller & Middleware



What is Controller ?





<https://gitlab.thinknet.co.th/bootcamp/expressjs/-/tree/master>



Middleware



What is Middleware ?

```
1  const express = require('express') // ใช้งาน module express
2  const app = express() // สร้างตัวแปร app เป็น instance ของ express
3
4  app.get('/', function (req, res, next) {
5    next()
6  })
7
8  app.listen(port, function() {
9    console.log(`Example app listening on port ${port}!`)
10 })
```

next function


HTTP Response

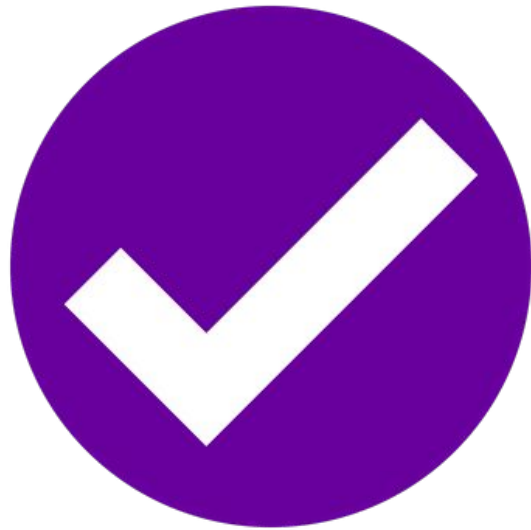
HTTP Request

HTTP Method เช่น get , put , post , delete

Path (route) เช่น '/'

Middleware Function

- 
- Application-level middleware
 - Router-level middleware
 - Error-handling middleware
 - Built-in middleware
 - Third-party middleware



express-validator



express-validator

What is express-validator ?

Getting Started

[EDIT](#)

express-validator is a set of [express.js](#) middlewares that wraps [validator.js](#) validator and sanitizer functions.

Installation

Install it using npm (make sure that you have Node.js 8 or newer):

```
npm install --save express-validator
```

<https://express-validator.github.io/docs/>



express-validator

How to use express-validator ?



express-validator

```
const express = require('express');
const app = express();

app.use(express.json());
app.post('/user', (req, res) => {
  User.create({
    username: req.body.username,
    password: req.body.password
  }).then(user => res.json(user));
});
```



express-validator

```
const { body, validationResult } = require('express-validator');
app.post('/user', [
  body('username').isEmail(),
  body('password').isLength({ min: 5 })
], (req, res) => {
  const errors = validationResult(req);
  if (!errors.isEmpty()) {
    return res.status(400).json({ errors: errors.array() });
  }

  User.create({
    username: req.body.username,
    password: req.body.password
  }).then(user => res.json(user));
});
```



express-validator

```
{  
  "errors": [{  
    "location": "body",  
    "msg": "Invalid value",  
    "param": "username"  
  }]  
}
```