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What Is Express Js



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1. What Is Express JS?

Express.js Is A Fast, Minimalistic Web Framework For Node.js That Helps Build Web Applications And APIs.

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

Express Makes It Easy To Handle Routing, Middleware, And Server-Side Logic.

2. Setting Up An Express Server

Install Express Using NPM. Step 2:
Create A Basic Server That Listens On
A Port.

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

app.get('/', (req, res) => {
  res.send('Hello World');
});

app.listen(3000, () => {
  console.log('Server Running On Port 3000');
});
```

Setting Up A Basic Server With Express
Takes Only A Few Lines Of Code.

3 . Handling Routes In Express

Routes Define How Your Application Responds To Client Requests.

Express Provides Methods To Handle Different HTTP Methods Like GET, POST, PUT, DELETE.

```
app.get('/home', (req, res) => {  
  res.send('Welcome To Home Page');  
});  
  
app.post('/login', (req, res) => {  
  res.send('Logging In...');  
});
```

Routes Allow You To Organize How Your Server Responds To Different URLs.

4. Using Middleware In Express

Middleware Functions Execute Between The Time The Server Receives A Request And Sends A Response. They Can Be Used For Logging, Authentication, Etc.

```
app.use((req, res, next) => {  
  console.log('Request Received');  
  next();  
});
```

Middleware Helps Enhance The Functionality Of Your Application By Processing Requests Before Final Output.

5 . Serving Static Files In Express

Express Can Be Used To Serve Static Files Like HTML, CSS, And Images Using The `express.static()` Middleware.

```
app.use(express.static('public'));
```

Serving Static Files Is Simple With Express, And You Can Create Rich Web Applications With Ease.

6 . Connecting Express With A Database

Express Can Be Combined With Databases Like MongoDB, MySQL, Or PostgreSQL To Build Dynamic Web Applications.

```
const mongoose = require('mongoose');  
  
mongoose.connect('mongodb://localhost/mydb',  
  { useNewUrlParser: true, useUnifiedTopology: true  
  });
```

Connecting To A Database With Express Allows You To Build Full-Stack Applications.