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# The Heart of Modern Web Development

## Express.js

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# What is Express.js?

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

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# Setting Up an Express Server

Install Express using npm.

Com: `npm install express`

```
const express = require('express');
const app = express();
const PORT = 3000;

app.listen(PORT, () =>
  console.log(`Server running on port
  ${PORT}`));
```

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## **2** Handling Routes

Routes Define How Your Application Responds To Client Requests. Its Allow You To Organize How Your Server Responds To Different URLs.

```
app.get('/', (req, res) =>
  res.send('Welcome to Express!'));

app.get('/about', (req, res) =>
  res.send('About Page'));
```

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## 3 Using Middleware

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

```
app.use(express.json());

app.use((req, res, next) => {
  console.log(`${req.method} request to ${req.url}`);
  next();
});
```

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## 4 Connecting to a Database (MongoDB)

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

```
const mongoose =  
require('mongoose');  
  
mongoose.connect('mongodb://  
localhost/myapp', { useNewUrlParser:  
true, useUnifiedTopology: true })  
  .then(() => console.log('Connected  
to MongoDB'))  
  .catch(err => console.error('Could  
not connect to MongoDB', err));
```

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