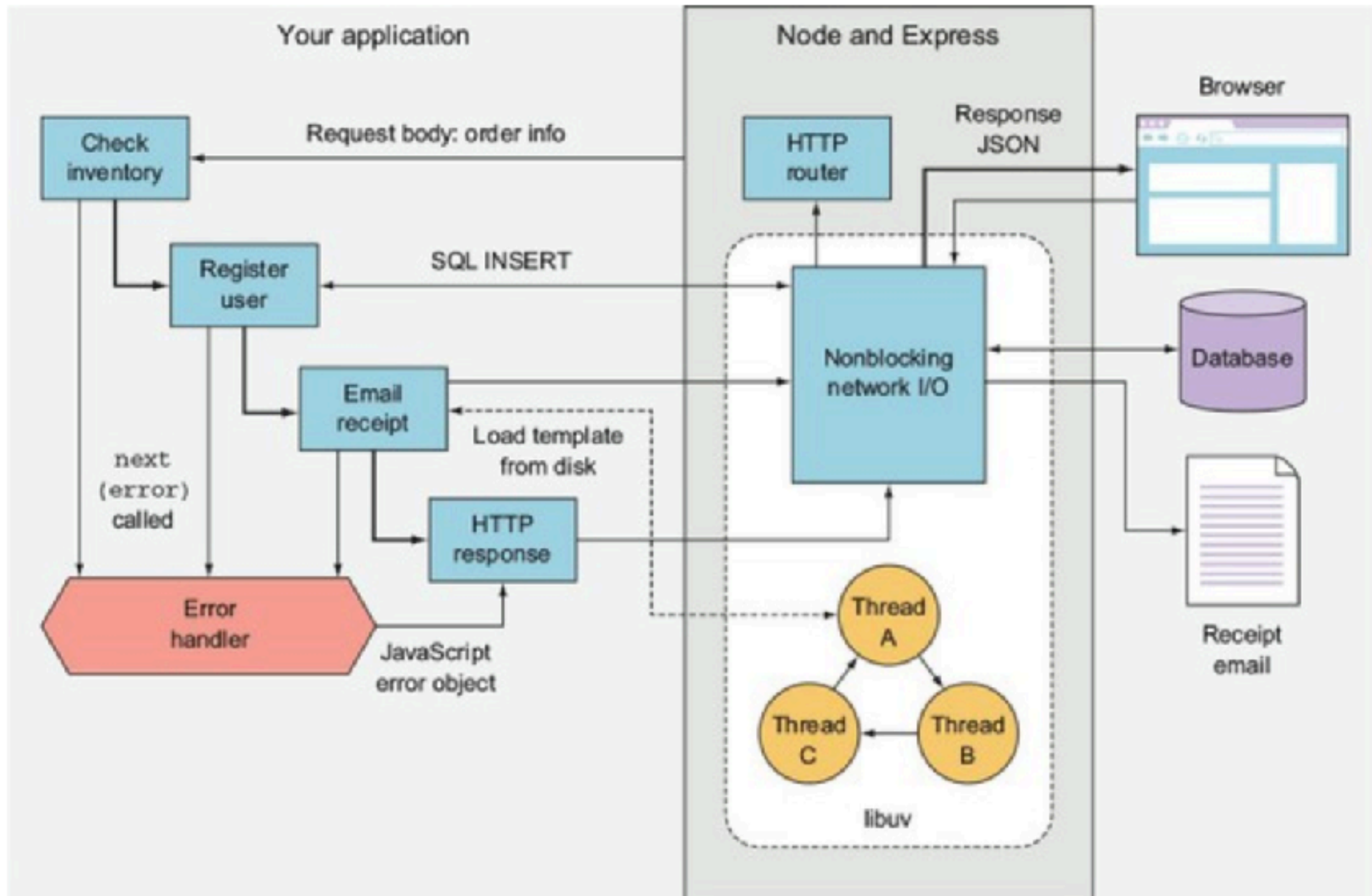


Getting started with Node.js + Coding Game

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What is node.js?

- Node is an evented and nonblocking platform for building JavaScript applications.
- V8 is used as the JavaScript runtime.
- libuv is the native library that provides fast, cross-platform, nonblocking I/O.
- Node has a small standard library known as the core modules that add network and disk I/O to JavaScript.
- Node comes with a debugger and a dependency manager (npm).
- Node is used for building web applications, command-line tools, and even desktop applications.



Your First Step

Download and install **Node.JS**

<https://nodejs.org/uk/>

Simple Node.js Web App

```
const http = require('http');
const port = 8080;

const server = http.createServer((req, res) => {
  res.end('Hello, world.');
```



```
});

server.listen(port, () => {
  console.log('Server listening on: http://localhost:%s', port);
});
```

<http://bit.ly/IQEX1>

Getting started

```
mkdir express_example
```

```
cd express_example
```

```
npm init -y
```

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

Express

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

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

```
app.listen(3000, () => {  
  console.log('Express web app on localhost:3000');  
});
```

<http://bit.ly/IQEX3>

Generator

```
npm install express-generator -g
```


Your First Application

```
express --view=pug nodeapp
```

```
npm install
```

```
npm start
```

Even better generator

<https://feathersjs.com/>

nodemon

```
npm install -g nodemon
```

Coding Challenge

Sample Bot: bit.ly/CodingForFun