

Backend (Express.js)

Folder structure

```
backend
└── package.json
    └── server.js
```

backend/package.json

```
{
  "name": "backend",
  "version": "1.0.0",
  "main": "server.js",
  "scripts": {
    "start": "node server.js"
  },
  "dependencies": {
    "express": "^4.18.2",
    "cors": "^2.8.5"
  }
}
```

backend/server.js

```
const express = require("express");
const cors = require("cors");

const app = express();
const PORT = 5000;

app.use(cors());

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

app.listen(PORT, () => {
  console.log(`Server running on http://localhost:${PORT}`);
});
```

Frontend (React.js)

Folder structure

```
frontend
└── package.json
    └── src
        └── App.js
```

```
└── index.js
```

frontend/package.json

```
{  
  "name": "frontend",  
  "version": "1.0.0",  
  "private": true,  
  "dependencies": {  
    "react": "^18.2.0",  
    "react-dom": "^18.2.0",  
    "react-scripts": "5.0.1"  
  },  
  "scripts": {  
    "start": "react-scripts start"  
  }  
}
```

frontend/src/index.js

```
import React from "react";  
import ReactDOM from "react-dom/client";  
import App from "./App";  
  
const root = ReactDOM.createRoot(document.getElementById("root"));  
root.render(<App />);
```

frontend/src/App.js

```
import React, { useEffect, useState } from "react";  
  
function App() {  
  const [message, setMessage] = useState("");  
  
  useEffect(() => {  
    fetch("http://localhost:5000/")  
      .then(res => res.text())  
      .then(data => setMessage(data));  
  }, []);  
  
  return (  
    <div style={{ padding: "20px", fontSize: "24px" }}>  
      {message}  
    </div>  
  );  
}  
  
export default App;
```

3 How to Run in VS Code (Step-by-Step)

Step 1: Open VS Code

- Open **VS Code**
 - Create a main folder, e.g.
 - react-express-hello
 - Inside it, create two folders:
 - backend
 - frontend
-

Step 2: Run Backend (Express)

1. Open **terminal** in VS Code
2. Go to backend folder:
3. cd backend
4. Install dependencies:
5. npm install
6. Start server:
7. npm start
8. Output should be:
9. Server running on http://localhost:5000
10. Open browser and visit:
11. http://localhost:5000

You will see **Hello World**

Step 3: Run Frontend (React)

1. Open **new terminal** in VS Code
2. Go to frontend folder:
3. cd frontend
4. Install dependencies:
5. npm install
6. Start React app:
7. npm start
8. Browser opens automatically at:
9. http://localhost:3000
10. Page will display:

Hello World