

< To Connect your React Front-end to the backend,
and Build Rest API's with Node/Express. >

< On the Backend Server Side >

1) In your 'myapp_backend' terminal directory type:

```
cmd: npm install --save body-parser
```

2) Now go to your 'server.js' file and add:

```
import bodyParser from 'body-parser';  
  
app.use(bodyParser.json());
```

3) You may run into a permissions issue with proxying,
so before that happens do this as well in your 'myapp_backend' terminal directory:

```
cmd: npm install cors
```

4) Again, revisit your 'server.js' and add:

```
const cors = require('cors')  
app.use(cors())  
  
(see screen 1)
```

< On the Frontend Client Side>

1) Time to proxy into your server via the 'package.json':

Note: this should be at the root level of your 'myapp_frontend' directory
+You may follow the path in the screen-2 to make sure you're in the correct place.

-> add this statement:

```
"proxy": "http://localhost:3001",
```

(see screen 2)

2) Last, go back to your 'server.js' and add this at the end of your script:

(see screen 3)

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Screen 1

```
1  import express from 'express';
2  const app = express();
3  import bodyParser from 'body-parser';
4  app.use(bodyParser.json());
5
6  const cors = require('cors')
7  app.use(cors())
8
9  const sqlite3 = require('sqlite3').verbose();
10 const path = require('path');
11 const dbPath = path.resolve(__dirname, 'market.db');
12 const db = new sqlite3.Database(dbPath);
13
14 app.get('/recipetest', (req, res) => {
```

C: > Users > apcox > Documents > Projects > CibusMarket_App > cibus_frontend > { } package.json >

```
1  {
2    "name": "cibus_frontend",
3    "version": "0.1.0",
4    "private": true,
5    "proxy": "http://localhost:3001/",
6    "dependencies": {
7      "@testing-library/jest-dom": "^5.11.9",
8      "@testing-library/react": "^11.2.5",
9      "@testing-library/user-event": "^12.6.3",
10     "react": "^17.0.1",
11     "react-dom": "^17.0.1",
12     "react-router-dom": "^5.2.0",
13     "react-scripts": "4.0.1",
14     "web-vitals": "^0.2.4"
15   },
```

▶ Debug

```
16   "scripts": {
17     "start": "react-scripts start",
18     "build": "react-scripts build",
19     "test": "react-scripts test",
20     "eject": "react-scripts eject"
21   },
22   "eslintConfig": {
23     "extends": [
24       "react-app",
25       "react-app/jest"
26     ]
27   },
28   "browserslist": {
29     "production": [
30       ">0.2%",
31       "not dead",
32       "not op_mini all"
33     ],
```

JS server.js



{ } package.json

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```
50
51   const { recipeTitle } = req.body;
52
53   var sql = `SELECT * from Recipe`;
54   var params = [];
55
56   db.all(sql, params, (err, recipes) => {
57     if (err) {
58       res.status(400).json({ "error": err.message });
59       return;
60     }
61     res.json({
62       // "message": "success",
63       recipes
64     });
65   });
66
67 });
68
69 //db.close();
70
71 → { app.listen(3001, () => console.log('Listening on port 3001'));
```