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YR & SEC: NW301

```
See `npm help init` for definitive documentation on these fields
and exactly what they do.

Use `npm install <pkg>` afterwards to install a package and
save it as a dependency in the package.json file.

Press ^C at any time to quit.
package name: (2185-6block)
version: (1.0.0)
description:
git repository:
keywords:
author:
license: (ISC)
About to write to E:\2185-6BLOCK\package.json:

{
  "name": "2185-6block",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "author": "",
  "license": "ISC",
  "description": ""
}


Is this OK? (yes) -y
Aborted.


E:\2185-6BLOCK>npm install express

added 65 packages, and audited 66 packages in 3s

20 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

E:\2185-6BLOCK>mkdir public

E:\2185-6BLOCK>cd public

E:\2185-6BLOCK\public>cd ..

E:\2185-6BLOCK>dir /w
 Volume in drive E is Storage
 Volume Serial Number is CA01-7BD9
```

server.js

```javascript
const express = require('express');
const path = require('path');
const app = express();
const port = 3000;

app.use(express.static(path.join(__dirname, 'public')));

app.get('/',(req,res) => {
    res.sendFile(path.join(__dirname,'public/index.html'));
});

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

File   Edit   Selection   View   Go   Run   ⋯   ← →   🔍 2185-6BLOCK

JS server.js   ◇ Index.html ✕   {} package.json

public › ◇ Index.html › ◇ html › ◇ body

Index.html

```html
<!DOCTYPE html>
<html>
<head>
    <title>Connection to MetaMask</title>
    <style>
        body {
            background-color: cadetblue;
            font-size: 33px;
            text-align: center;
        }
        button {
            background-color: turquoise;
            font-size: 33px;
            text-align: center;
            font-family: Arial, Helvetica, sans-serif;
            cursor: pointer;
        }
        button:hover {
            background-color: peru;
        }
        p {
            font-size: 25px;
        }
    </style>
</head>

<body>
<h1>Connect to MetaMask</h1>

<button onclick="ConnectMetaMask()">Connect to MetaMask</button><br><br>

<button onclick="PersonalAcc()">Personal Account</button><br>
<p id="accountArea">x</p>
```

PROBLEMS   OUTPUT ⋯   Filter   Code

```
ReferenceError: __path is not defined
    at wrapModuleLoad (node:internal/modules/cjs/loader:235:24)
    at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:170:5)
    at node:internal/main/run_main_module:36:49

Node.js v22.15.0

[Done] exited with code=1 in 0.195 seconds

[Running] node "e:\2185-6BLOCK\server.js"
Server is running on http://localhost:3000
```

> OUTLINE
> TIMELINE

Launchpad   ⊗ 0 ⚠ 0   🔌 Connect   {..} Scanning...   Ln 31, Col 1   Spaces: 4   UTF-8   CRLF   {} HTML   Signed out   Go Live   Prettier

Code editor (VS Code) visible content:

```
</html>
<head>
    <style>
    }
    button {
        background-color: turquoise;
        font-size: 33px;
        text-align: center;
        font-family: Arial, Helvetica, sans-serif;
        cursor: pointer;
    }
    button:hover {
        background-color: peru;
    }
    p {
        font-size: 25px;
    }
    </style>
</head>

<body>
<h1>Connect to MetaMask</h1>

<button onclick="ConnectMetaMask()">Connect to MetaMask</button><br><br>

<button onclick="PersonalAcc()">Personal Account</button><br>
<p id="accountArea">x</p>

<button onclick="BusinessAcc()">Business Account</button><br>
<p id="accountArea2">x</p>

<button onclick="CorpoAcc()">Corporate Account</button><br>
<p id="accountArea3">x</p>
```

Terminal output:

```
Node.js v22.15.0
    at wrapModuleLoad (node:internal/modules/cjs/loader:235:24)
    at Function.executeUserEntryPoint [as runMain] (node:internal/modules/run_main:170:5)
    at node:internal/main/run_main_module:36:49

Node.js v22.15.0

[Done] exited with code=1 in 0.195 seconds

[Running] node "e:\2185-6BLOCK\server.js"
Server is running on http://localhost:3000
```
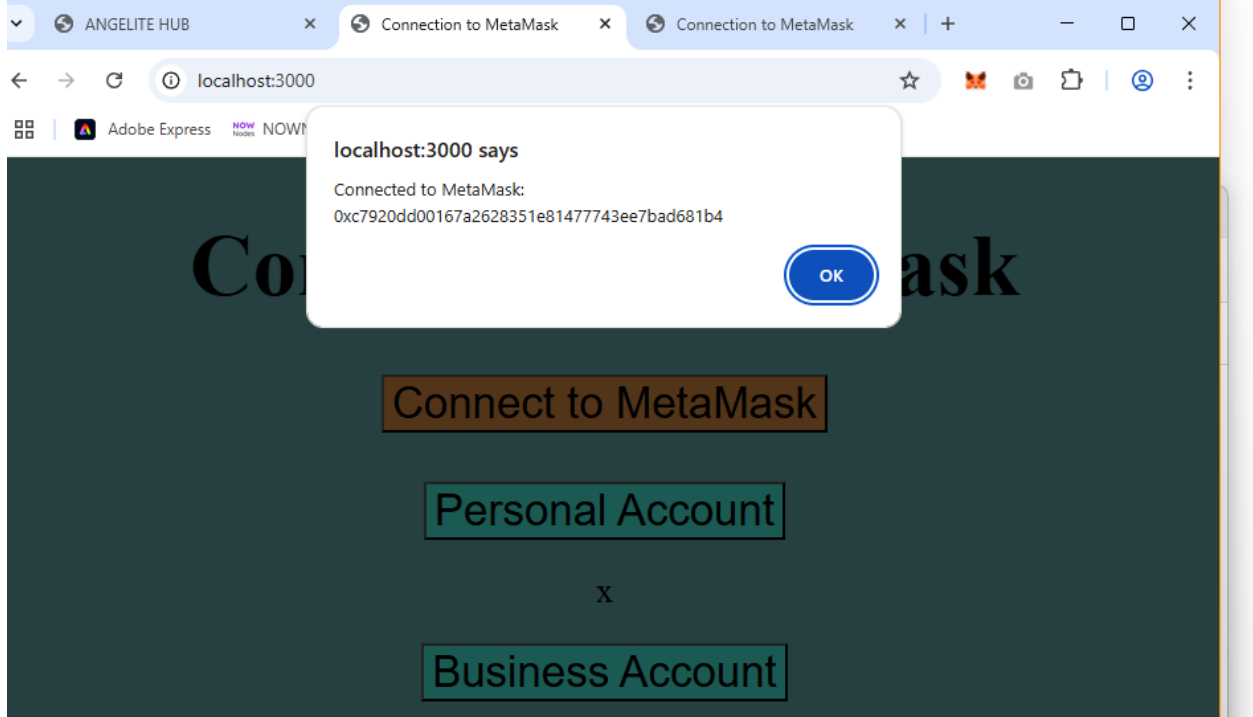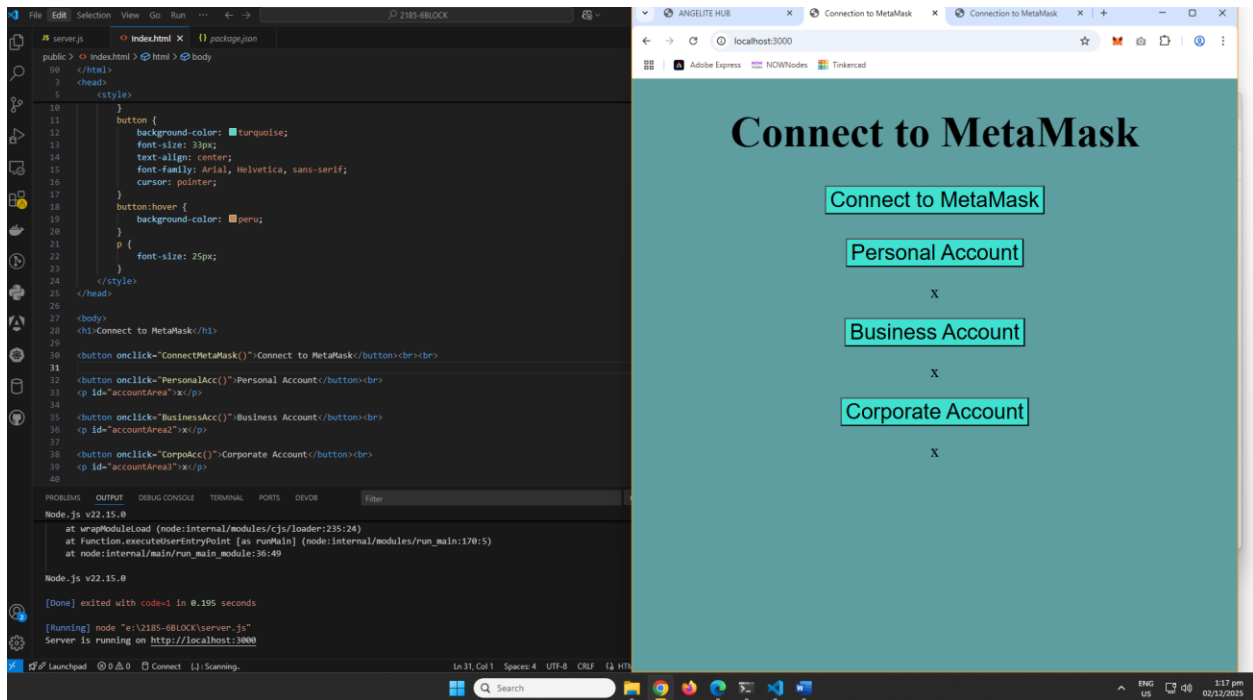
Browser: Connect to MetaMask

- Connect to MetaMask
- Personal Account
- x
- Business Account
- x
- Corporate Account
- x

localhost:3000 says
Connected to MetaMask:
0xc7920dd00167a2628351e81477743ee7bad681b4
OK

Connect to ...ask
Connect to MetaMask
Personal Account
x
Business Account

Connect to MetaMask

Personal Account

Active Personal Account: 0xc7920dd00167a2628351e81477743ee7bad681b4

Business Account

x

Corporate Account

REFLECTION:

Working on this exercise helped me better understand how MetaMask interacts with a webpage and how account permissions work in a browser environment. I learned how to request accounts, display them on the page, and set up a basic Node.js server to host the project. Fixing the errors in the server code also made me more aware of how important folder paths and syntax can be. Overall, the exercise improved my confidence in connecting front-end code with blockchain tools.