

Plan: QR Code Generator Webpage

Goal: Create a simple webpage that takes a URL as input and generates a QR code using Node.js and the 'qrcode' library.

Steps:

1. **Create Project Directory:** Create a new directory named `qrcode-generator` in the project root (`e:/projects/soma`).
2. **Initialize Node.js Project:** Navigate into the `qrcode-generator` directory and initialize a Node.js project using `npm init -y` to create a `package.json` file.
3. **Install 'qrcode' Library:** Use `npm install qrcode` to install the 'qrcode' library.
4. **Create HTML File (index.html):** Create an `index.html` file in the `qrcode-generator` directory with input, button, and image elements.
5. **Create JavaScript File (script.js):** Create a `script.js` file to handle QR code generation logic using the 'qrcode' library and update the image source.
6. **Create CSS File (style.css):** Create a `style.css` file for basic webpage styling.
7. **Link CSS and JavaScript to HTML:** Link the CSS and JavaScript files in the `index.html` file.

Simplified Plan using Mermaid Diagram:

```
graph LR
  A[Create qrcode-generator directory] --> B{npm init -y};
  B --> C{npm install qrcode};
  C --> D[Create index.html];
  D --> E[Create script.js];
  E --> F[Create style.css];
  F --> G[Link CSS & JS to HTML];
  G --> H{Plan Complete};
```