Planning Document: Networked Article Page

1. Topics to cover

- Understanding Wi-Fi USB Dongles
    + Definition: A Wi-Fi USB dongle is a device that can be used to provide internet connectivity to a computer or even a compatible router.
    + Function: Acts as a wireless network adapter, receiving and transmitting Wi-Fi signals.

- Secure collaborations across the internet
    + Definition: The ability for teams, often in different geographic locations, to work together safely, protecting the information they share.

- Types and functions of networking and wireless connection
    + LAN – Local Area Network
    + WAN – Wide Area Network

- Description of the common functionality of server networks
    + Definition: A server is a powerful computer that provides data, services, or functionality to other computers, known as "clients," over a network.

2. **The structure of my HTML**

```html
<!DOCTYPE html>
<head>

  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width,
initial-scale=1.0">

  <title>Understanding Networks and Servers</title>

<link rel="preconnect"
   href="https://fonts.googleapis.com">
  <link rel="preconnect" href="https://fonts.gstatic.com"
crossorigin>
  <link

href="https://fonts.googleapis.com/css2?family=Playfair+D
isplay:wght@700&family=EB+Garamond:wght@400;500;70
0&display=swap"
    rel="stylesheet">

  <!-- Internal CSS will be here -->

</head>

<body>
```

```html
    <header>
<!--contents of my header-->
    </header>

    <main>

      <section class="dongle-server">
        <article>
        </article>
      </section>


      <section>
        <article>
        </article>
      </section>


      <section class="collaboration">
        <article>
              </article>
      </section>
    </main>

    <footer class="page-footer">
            <audio controls>
          <!--my audio goes here-->
        </audio>
      </div>
    </footer>
```

```
        </div>
    </body>
```

3. **<u>Network Sharing and Testing Plan:</u>**
   a. <u>Web Page Hosting</u>
      - Open networks-and-servers.html and click "Go Live" in the status bar.
      - Open Command Prompt (cmd) and run ipconfig.
      - Find the "IPv4 Address".
      - Construct the URL: http://<IPv4-Address>:<Port>/networks-and-servers.html.
      - Ask a fellow trainee and facilitator on the same Wi-Fi network to access the URL and confirm the page loads correctly.

   b. <u>Audio Sharing</u>
      - Create a folder named Shared-Audio on the PC.
      - Place networks-and-servers.mp3 inside this folder.
      - Right-click the folder, go to Properties > Sharing > Share...
      - Add "Everyone" and set permissions to "Read".
      - Find the computer's name (hostname in cmd).

- Ask a fellow trainee and facilitator to access the folder using the network path \\<Computer-Name>\SharedAudio in their File Explorer.
- Confirm if they can see and play the MP3 file.