Experiment No. 7 To write meta data of your Ecommerce PWA

Aim: To write meta data of your Ecommerce PWA in a Web app manifest file to enable the "add to homescreen feature".

Theory:

The Web App Manifest serves as a JSON file crucial for providing essential information about a Progressive Web App (PWA) like MbaKaro-Distance Learning Guide. It enables features such as "Add to Homescreen" functionality and ensures a seamless user experience. For MbaKaro-Distance Learning Guide, which offers consultancy and guidance for career advancement through distance learning, crafting a comprehensive Web App Manifest is pivotal in enhancing usability.

Here are the key Manifest properties tailored for MbaKaro-Distance Learning Guide:

1. <u>Name and Short Name:</u>
   - name: "MbaKaro-Distance Learning Guide"
   - short_name: "MbaKaro"

These properties specify the full and abbreviated names of the app, respectively, catering to different display contexts like homescreen icons.

2. <u>Start URL:</u>
   - start_url: "/"

This property determines the initial page loaded when users launch the app, ensuring they land on the primary interface.

3. <u>Display Mode:</u>
   - display: "standalone"

Here, the display mode is set to "standalone," indicating the app should appear independently without browser elements.

4. <u>Icons:</u>
   - icons: [{ "src": "./images/college.jpg", "sizes": "6720x4480", "type": "image/png" }]

Defined with source path, size, and type, this property specifies the app's icon, enhancing its recognition on the homescreen.

5. <u>Theme Color:</u>
   - theme_color: "#ffffff"

Setting the UI color ensures brand consistency throughout the app experience. For MbaKaro-Distance Learning Guide, white (#ffffff) is chosen.

6. <u>Background Color:</u>
   - background_color: "#ffffff"

This property establishes the app's background color, ensuring a smooth transition from the splash screen to the interface.

7. <u>Description:</u>
   - description: "Unlock your potential with MbaKaro. We provide consultancy and guidance for your successful career."
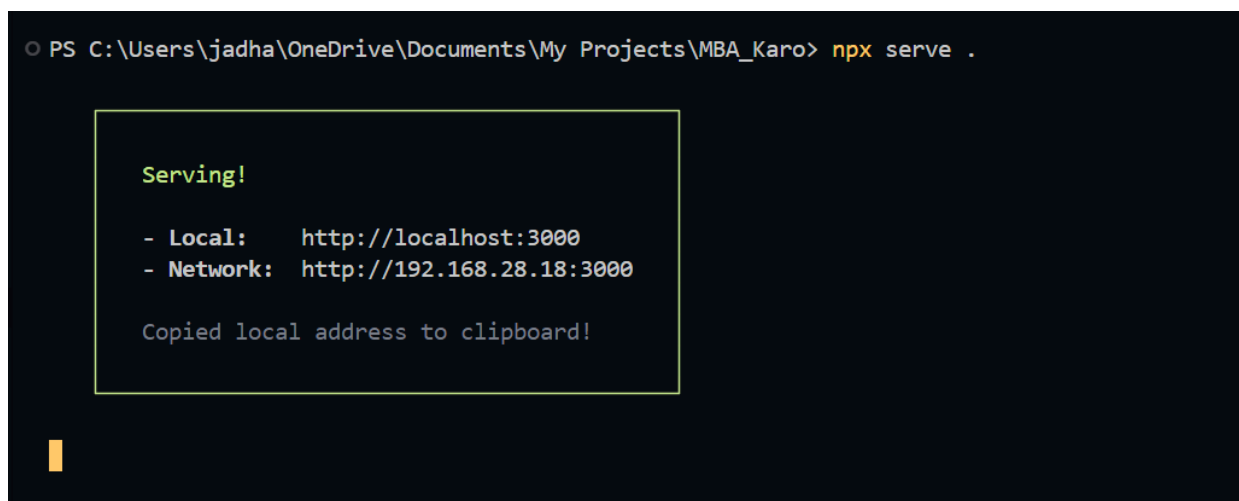
A succinct description communicates the app's purpose, enticing users to engage with MbaKaro-Distance Learning Guide.

8. <u>Scope:</u>
   - scope: "/"

By restricting navigation to the specified directory, the scope property ensures a focused and immersive user experience.

Crafting a meticulously structured Web App Manifest for MbaKaro-Distance Learning Guide is indispensable for optimizing user engagement and facilitating the "Add to Homescreen" feature. Through careful definition of properties like name, start URL, display mode, icons, theme color, and description, the manifest guarantees seamless integration into users' devices, enhancing accessibility and usability of MbaKaro-Distance Learning Guide as a Progressive Web App. Remember to link this Web App Manifest file in the HTML of your PWA for browsers to implement the specified configurations effectively.

```
PS C:\Users\jadha\OneDrive\Documents\My Projects\MBA_Karo> npx serve .

    Serving!

    - Local:    http://localhost:3000
    - Network:  http://192.168.28.18:3000

    Copied local address to clipboard!
```

Conclusion:
In conclusion, crafting a detailed Web App Manifest for MbaKaro-Distance Learning Guide enhances user experience and accessibility. This optimization ensures seamless integration, fostering greater engagement and ease of access for users.