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:

Web App Manifest for MbaKaro-Distance Learning Guide PWA:

Introduction:

The Web App Manifest is a JSON file that provides essential information about a Progressive Web App (PWA) to the browser, enabling features such as the "Add to Homescreen" functionality. This metadata helps browsers understand how the app should behave when installed on a user's device. For MbaKaro-Distance Learning Guide, a PWA offering consultancy and guidance for career advancement through distance learning, the Web App Manifest plays a crucial role in enhancing the user experience.

Key Manifest Properties for MbaKaro-Distance Learning Guide:

1. Name and Short Name:
   - name: "MbaKaro-Distance Learning Guide"
   - short_name: "MbaKaro"

   These properties define the full and short names of the app, respectively. "MbaKaro-Distance Learning Guide" represents the complete name, while "MbaKaro" is a concise version for limited space, such as the homescreen icon.

2. Start URL:
   - start_url: "/"

   The start URL determines the initial page that will be loaded when the app is launched. In this case, it's set to the root directory ("/"), ensuring users land on the app's main interface.

3. Display Mode:
   - display: "standalone"

   This property specifies the app's display mode, indicating that it should appear as a standalone application, without browser elements like the address bar.

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

MbaKaro-Distance Learning Guide's icon is defined with its source path, size, and type. The specified icon will be used for the app on the homescreen.

5. Theme Color:
   - theme_color: "#ffffff"

The theme_color property sets the color of the app's UI, enhancing brand consistency. For MbaKaro-Distance Learning Guide, the color is set to white (#ffffff).

6. Background Color:
   - background_color: "#ffffff"

This property defines the background color of the app, providing a seamless transition from the splash screen to the app's interface.

7. Description:
   - description: "Unlock your potential with MbaKaro. We provide consultancy and guidance for your successful career."

A concise description informs users about the app's functionality, encouraging them to engage with MbaKaro-Distance Learning Guide.

8. Scope:
   - scope: "/"

The scope property restricts the app's navigation to the specified directory, ensuring a focused and immersive experience within MbaKaro-Distance Learning Guide.

Conclusion:

Creating a well-structured Web App Manifest for MbaKaro-Distance Learning Guide is crucial for optimizing the user experience and enabling the "Add to Homescreen" feature. By defining properties such as name, start URL, display mode, icons, theme color, and description, the manifest ensures that the app is seamlessly integrated into users' devices. The manifest contributes to brand identity, user engagement, and easy access, making MbaKaro-Distance Learning Guide a more user-friendly and accessible Progressive Web App.

Note: Ensure that this Web App Manifest file is linked in the HTML of your PWA for browsers to recognize and implement the specified configurations.

```
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!            │
   │                                                 │
   └─────────────────────────────────────────────────┘
```