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Experiment 7

Aim: To write meta data of your railway PWA in a Web app manifest file to enable “add to homescreen feature”.

Theory:

Progressive Web Apps (PWAs) are web applications enhanced with modern web capabilities to deliver an app-like experience. One essential part of a PWA is the **Web App Manifest** — a JSON file that contains **metadata** about the app.

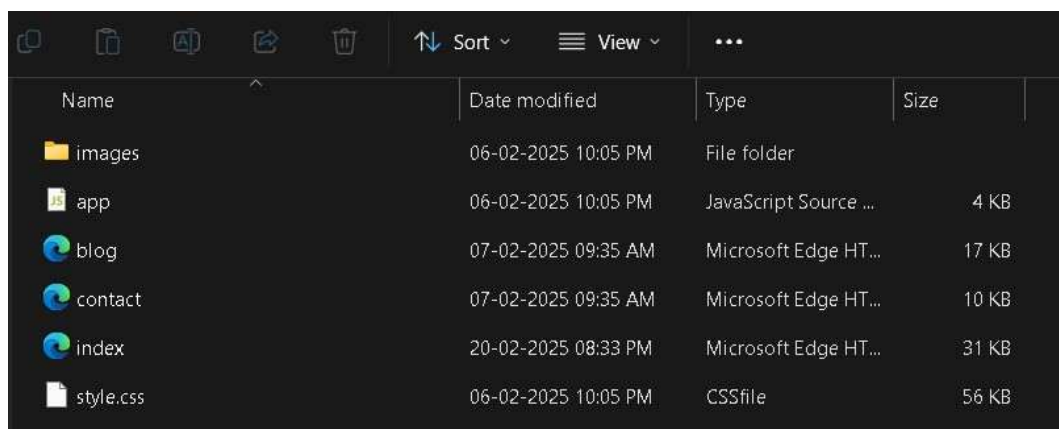
This metadata includes:

- App name and short name
- Start URL and scope
- Icons for different screen sizes
- Theme and background colors
- Display mode (e.g., standalone, fullscreen)

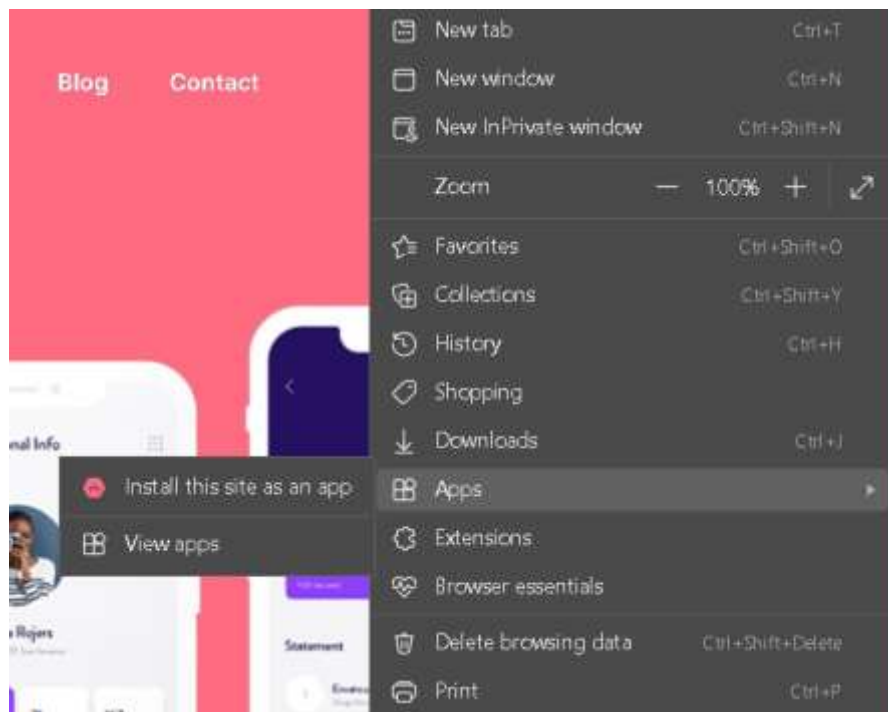
By linking this [manifest.json](#) file in the HTML, the app becomes **installable** on user devices and can appear on the home screen like a native app. This enhances user engagement, accessibility, and branding for the Ecommerce platform.

In this experiment, metadata was defined in a manifest file and connected to the main HTML file, enabling the “**Add to Home Screen**” functionality for the Ecommerce PWA.

Output:



Name	Date modified	Type	Size
images	06-02-2025 10:05 PM	File folder	
app	06-02-2025 10:05 PM	JavaScript Source ...	4 KB
blog	07-02-2025 09:35 AM	Microsoft Edge HT...	17 KB
contact	07-02-2025 09:35 AM	Microsoft Edge HT...	10 KB
index	20-02-2025 08:33 PM	Microsoft Edge HT...	31 KB
style.css	06-02-2025 10:05 PM	CSSfile	56 KB



Conclusion:

In this experiment, we successfully create and integrated a **Web App Manifest** file for our Progressive Web App. By defining essential metadata such as the app's name, icons, theme color, and display mode, we enabled the “**Add to Home Screen**” functionality.