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Experiment-7

1. Aim

To write metadata of your **Portfolio Progressive Web App (PWA)** in a **Web App Manifest** file to enable the "Add to Home Screen" feature.

2. Basic Description

In this experiment, we focused on enhancing our Portfolio PWA by adding a manifest.json file. This file stores key metadata about the app, such as the name, icons, color themes, display mode, and the start URL. When served over HTTPS and paired with a service worker, it enables the "Add to Home Screen" feature on mobile devices, offering a more immersive, native-app-like experience.
This is especially beneficial for a portfolio because:

- Users can install your portfolio like a native app and launch it directly from their home screen.
- Faster accessibility for recruiters and visitors.
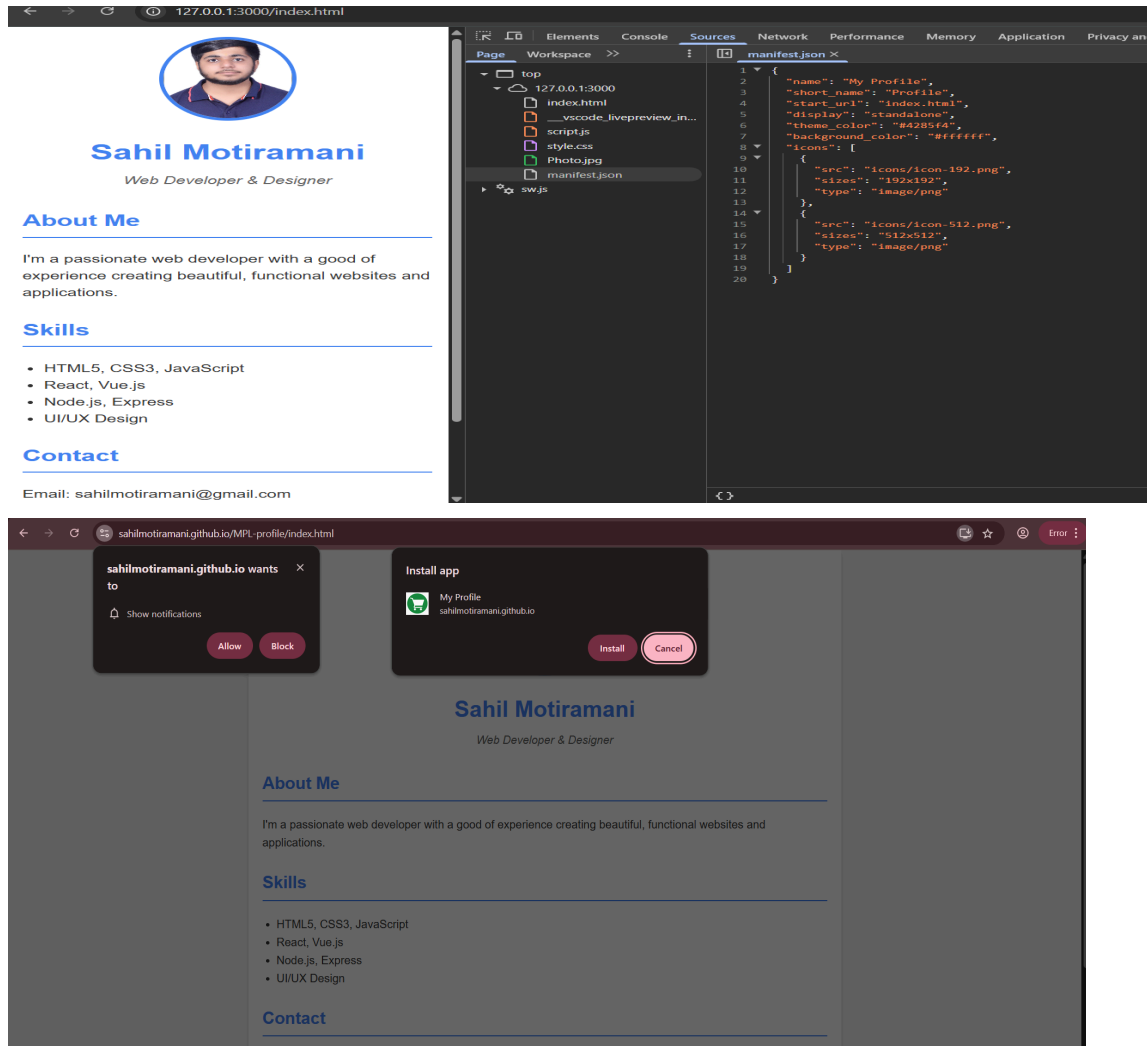- Combined with service workers, it enables offline access to key information.

The implementation included:

- Creating a manifest.json file with appropriate metadata.
- Referencing the manifest file in index.html.
- Ensuring icons are properly linked and available.
- Registering a serviceWorker to support offline access and background sync.
- Testing installation prompts and offline functionality in modern browsers.

GitHub Link for Code:
https://github.com/SahilMotiramani/MPL-profile

3. Output:

4. Conclusion

By integrating a Web App Manifest into the Portfolio PWA:

- We successfully enabled the "Add to Home Screen" feature.
- The app delivers a more engaging and native-like experience to users.
- This enhancement ensures the portfolio is reliable, installable, and accessible, even in offline conditions—crucial traits for modern, professional web apps.