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Roll No:17

PWA Practical 8

Steps to Make Your Vite React App a PWA

1 Register the Service Worker

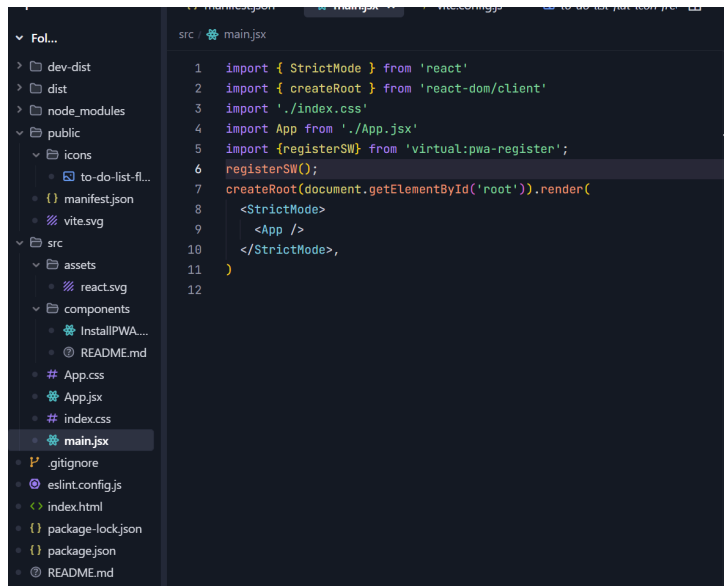
1. Open `main.jsx` (or wherever React renders the app).
2. Import the `registerSW` function from `virtual:pwa-register`.
3. Call `registerSW()` to activate the service worker.
4. This ensures that the app works offline and updates correctly.

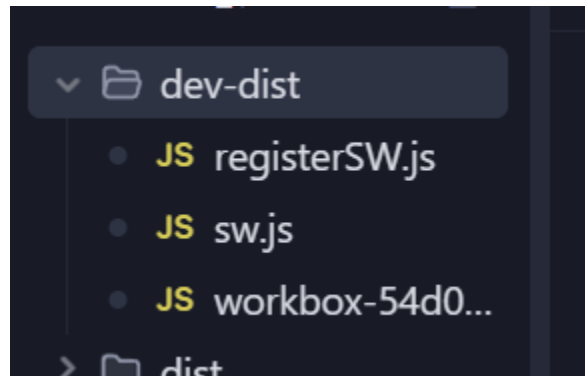
2 Verify PWA Installation

1. Start the Vite development server.
2. Open Chrome DevTools (`F12`) → Go to Application → Manifest.
3. Check if the Install button appears in the address bar.
4. Install the app and check if it works like a standalone application.

3 Test Service Worker Activation

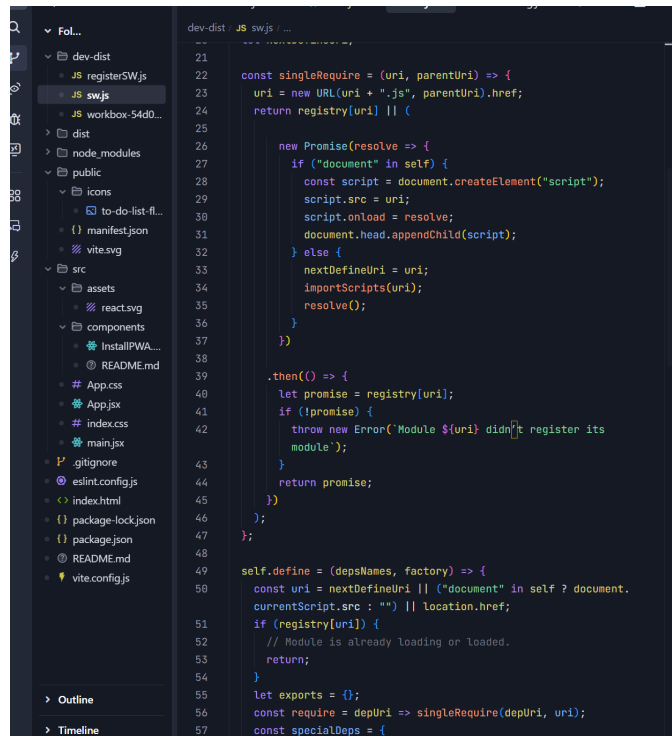
1. Open Chrome DevTools → Application → Service Workers.
2. Check if the service worker is registered.
3. Enable Offline mode and refresh the page to test caching.
4. If the app loads, the service worker is working successfully!





dev-dist / JS registerSW.js / ...

```
1 if('serviceWorker' in navigator) navigator.serviceWorker.register('/  
dev-sw.js?dev-sw', { scope: '/', type: 'classic' })
```



Fol...

dev-dist

JS registerSW.js

JS sw.js

JS workbox-54d...

dist

node_modules

public

icons

to-do-list-fl...

manifest.json

vite.svg

src

assets

react.svg

components

InstallPWA...

README.md

App.css

App.jsx

index.css

main.jsx

.gitignore

eslint.config.js

index.html

package-lock.json

package.json

README.md

vite.config.js

Outline

Timeline

dev-dist / JS workbox-54d0af47.js / ...

```
1  define(['exports'], (function (exports) { 'use strict';
31  const logger = (() => {
35      self.__WB_DISABLE_DEV_LOGS = false;
36  })
37  let inGroup = false;
38  const methodToColorMap = {
39      debug: '#7f8c8d',
40      log: '#2ecc71',
41      warn: '#f39c12',
42      error: '#c0392b',
43      groupCollapsed: '#3498db',
44      groupEnd: null // No colored prefix on groupEnd
45  };
46  const print = function (method, args) {
47      if (self.__WB_DISABLE_DEV_LOGS) {
48          return;
49      }
50      if (method === 'groupCollapsed') {
51          // Safari doesn't print all console.groupCollapsed()
52          // arguments:
53          // https://bugs.webkit.org/show_bug.cgi?id=182754
54          if (/^(?!chrome|android).*safari/i.test(navigator.
55              userAgent)) {
56              console[method](...args);
57              return;
58          }
59      }
60      const styles = ['background: ${methodToColorMap[method]}',
61          'border-radius: 0.5em', 'color: white', 'font-weight:
62          bold', 'padding: 2px 0.5em'];
63      // When in a group, the workbox prefix is not displayed.
64      const logPrefix = inGroup ? [] : ['%cworkbox', styles.join
65          (';')];
66      console[method](...logPrefix, ...args);
67      if (method === 'groupCollapsed') {
68          inGroup = true;
69      }
70      if (method === 'groupEnd') {
71          inGroup = false;
72      }
73  };
```