**Name: Roma Shirodkar**

**Div: D15B**

**Roll No: 54**

**MPL & PWA Prac 8**

**Aim: To code and register a service worker, and complete the install and activation process for a new service worker for the E-commerce PWA.**

### **1. Register the Service Worker**

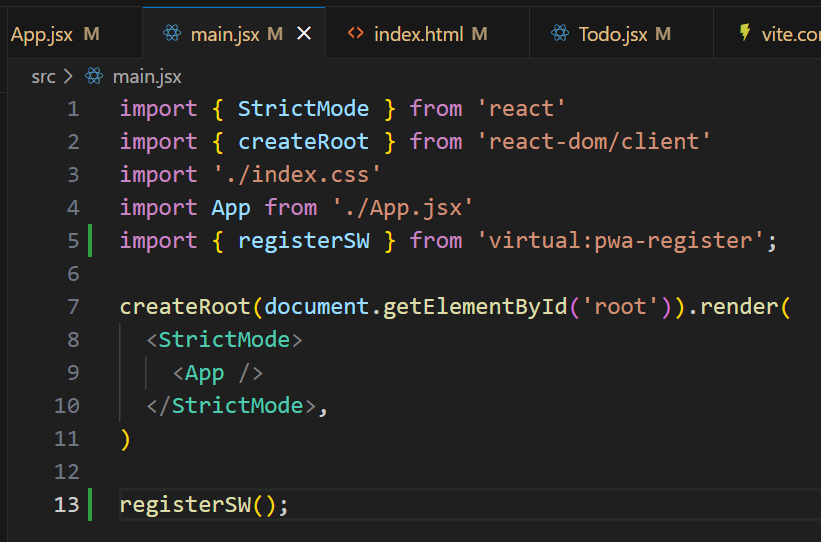
1. Open the main.jsx file (or the file where your React app is rendered).
2. Import the registerSW function from virtual:pwa-register.
3. Call registerSW() to initialize and activate the service worker.
4. This allows the app to function offline and handle updates properly.

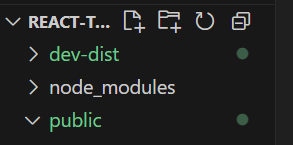
### **2. Verify PWA Installation**

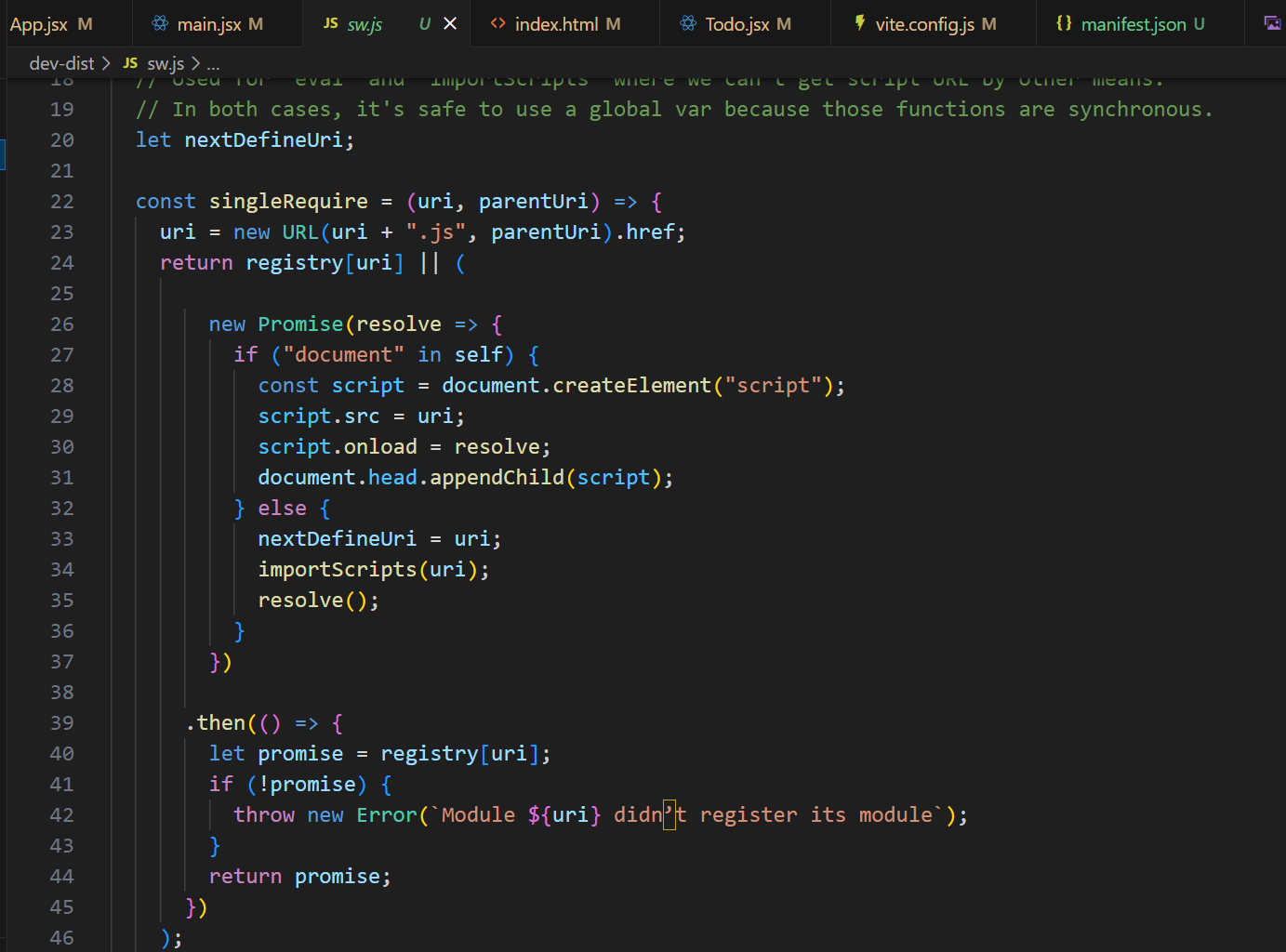
1. Run the Vite development server.
2. Open Chrome DevTools (F12) and navigate to the Application tab, then select Manifest.
3. Ensure the "Install" button is visible in the browser’s address bar.
4. Click the "Install" button to add the app and check if it runs as a standalone application.

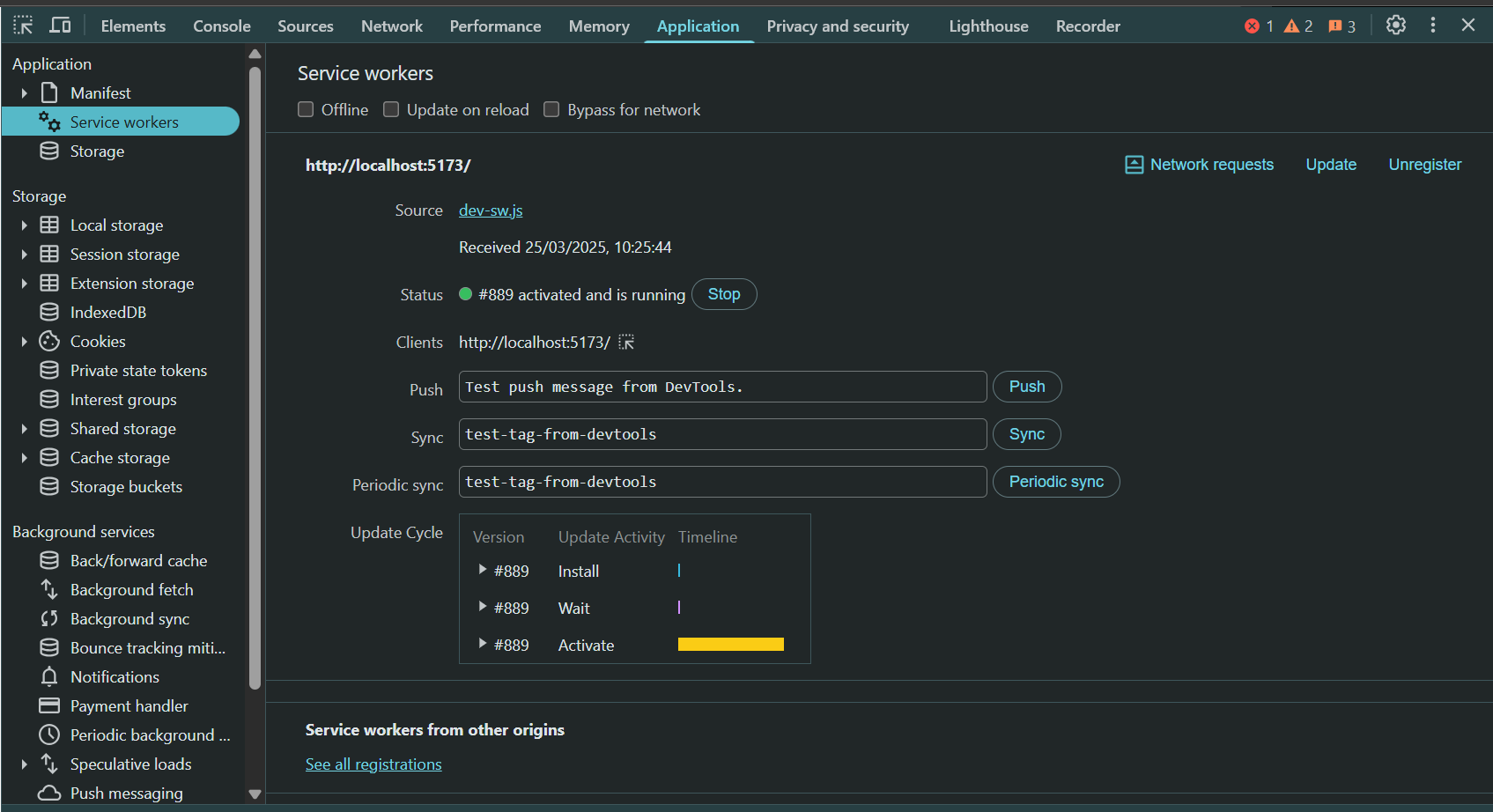
### **3. Test Service Worker Activation**

1. In Chrome DevTools, go to Application → Service Workers.
2. Confirm that the service worker is successfully registered.
3. Enable Offline mode and refresh the page to verify caching.
4. If the app loads while offline, the service worker is functioning correctly.

****

****

****

****