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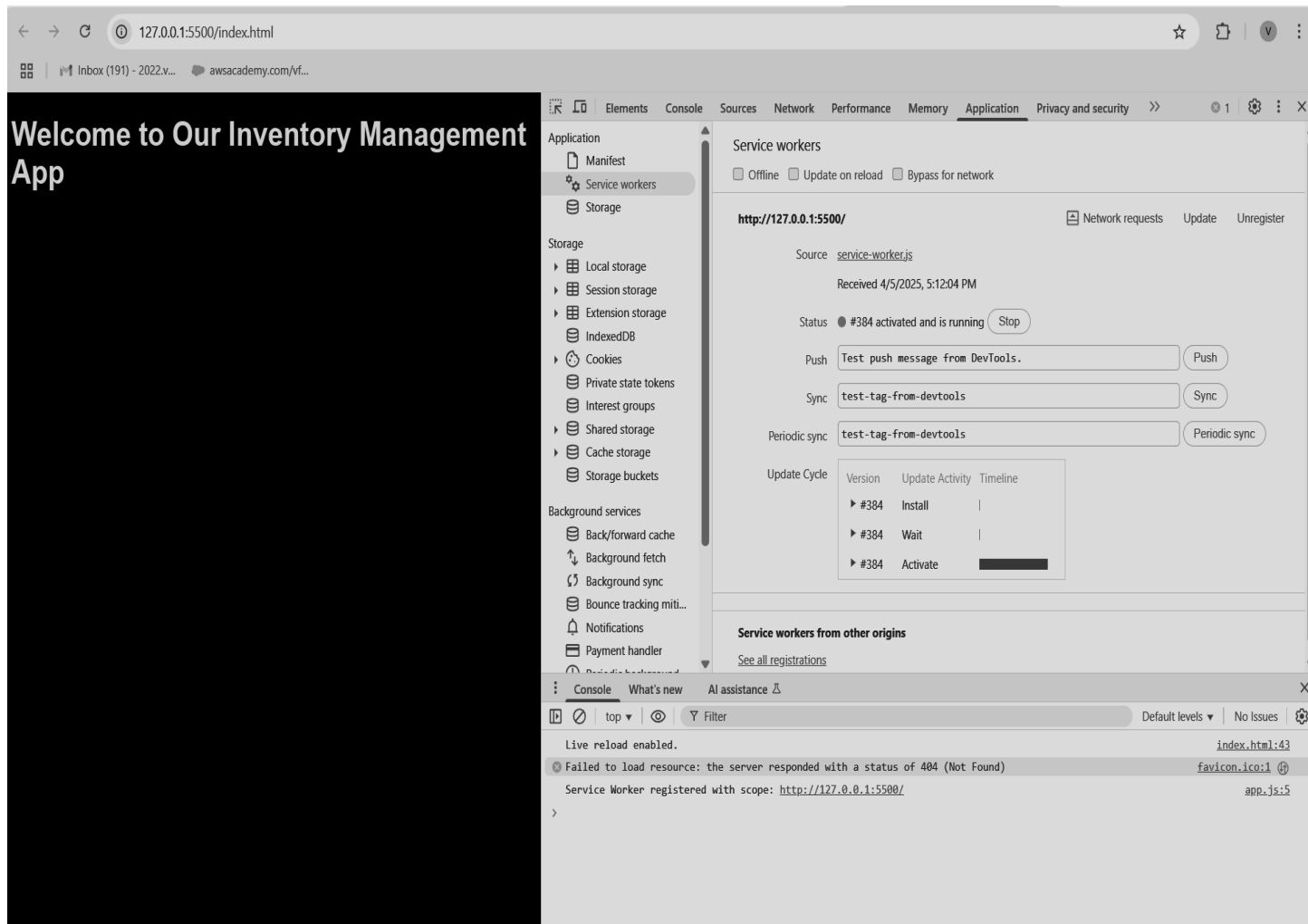
EXP 8

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.

Description:

A Service Worker is a background script that runs independently from the web page, enabling powerful features like offline support, background sync, and push notifications. It acts as a proxy between the web app and the network, allowing you to intercept and handle network requests, cache resources, and improve performance. Service workers only run over HTTPS (or localhost for development) and follow a lifecycle of registration, installation, and activation.

Screenshot:



Conclusion:

In this experiment, we successfully coded and registered a service worker for our Inventory Management PWA. We completed the service worker lifecycle—registration, installation, and activation—to enable features like offline access and caching. This enhances app performance, reliability, and user experience by allowing the app to function even without an internet connection.