

Experiment 9	
Name	Bhavisha Khotwani
Roll No	25
DOP	
DOS	
Grade	
Sign	

Aim: To implement Service worker events like fetch, sync and push for E-commerce PWA.

Theory:

- The fetch event allows a service worker to intercept network requests, enabling offline access and caching strategies.
- The sync event lets the service worker retry failed tasks (like sending form data) when the user regains internet connectivity.
- The push event enables background push notifications to the user, often used to send updates or alerts from the server.

Output:

The screenshot shows the Chrome DevTools Network tab with the following data:

Status	Method	Domain	File	Initiator	Type	Transferred	Size	Time
200	GET	127.0.0.1:...	index.html	document	html	service worker	2.33 ...	0 ms
101	GET	127.0.0.1:...	ws	index.html:43...	plain	129 B	0 B	1 ms
404	GET	127.0.0.1:...	favicon.ico	faviconLoad...	html	service worker	150 B	0 ms

Conclusion: The service worker was successfully configured to handle fetch, sync, and push events. This improves offline experience, supports background operations, and enables real-time user engagement.