	DATE:
	APM - To code and agristed a sewice worker, and
	complete the Postall and activation process for 9.
	new sewere worker for the E-commerce PWA.
	Theory -
	Service worker
	service worker Ps a Scarpt that works on browses
	background without user forteraction independently. Also,
	it tetembres a paoxy that works on the uterside.
	with this script, you can track network trappic of the
	page, manage push notifications and develop "offine
	frost" web applications with rache API.
•	What can we do with service workers?
1.	You can dominate Metwork Traffic
2.	You can cache
	You can manage Push Notifications
9 4.	404 Can Continue.
	1 1 0 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	what can't we do with service workers?
(,	You can't access the window
2.	You can't work it on post to

	DATE:
•	sensce mosker code
1.	Registation - To install a tenice worker, you need
	to jegister it in your main Javascript code.
2.	Installation - Once the boomtess togesters a
	Semple worker, postallation can be attempted.
	event for the installing service worker.
	COUNTY ON INSTAINING DESVICE WOODEN
3,	Activation - once a service worker has successfully
	installed, it transitions into the active tion stage.
	when the new fervice worker activates, an activate
	agent levent is torggeted in the activating
	service woncer.
-1	TOD TOUR TO THE TOTAL TO

FOR EDUCATIONAL USE

Implementation:

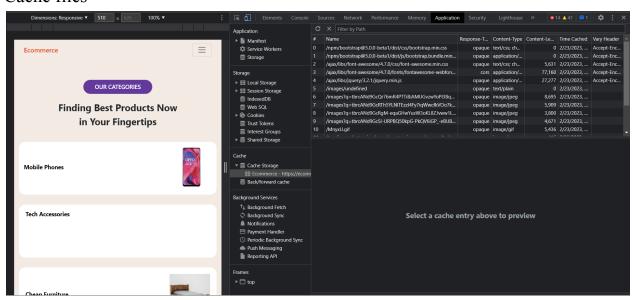
• serviceworker.js / sw.js

```
const cacheName = 'Ecommerce';
const staticAssets = [
  './',
  './index.html',
  './about.html',
  './drip.html',
  './electronics.html',
  './furniture.html',
  './general.html',
  './index.html',
  './laptops.html',
  './phones.html',
  './sneakers.html',
  './manifest.json',
  './style.css',
];
self.addEventListener('install',async e =>{
  const cache = await caches.open(cacheName);
  await cache.addAll(staticAssets);
  return self.skipWaiting();
});
self.addEventListener('activate',e =>{
  self.clients.claim();
});
self.addEventListener('fetch', async e => {
  const req = e.request;
  const url = new URL(req.url);
```

```
if (url.origin === location.origin) {
  e.respondWith(cacheFirst(req));
 } else {
  e.respondWith(networkAndCache(req));
 }
});
async function cacheFirst(req) {
 const cache = await caches.open(cacheName);
 const cached = await cache.match(req);
 return cached || fetch(req);
async function networkAndCache(req) {
 const cache = await caches.open(cacheName);
 try {
  const fresh = await fetch(req);
  await cache.put(req, fresh.clone());
  return fresh;
 } catch (e) {
  const cached = await cache.match(req);
  return cached;
```

Output:

Cache files -



Service Worker

