

PWA EXPERIMENT No : 09

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ROLL_NO : 05

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

```
// Activate event
self.addEventListener("activate", event => {
  event.waitUntil(
    caches.keys().then(keys =>
      Promise.all(
        keys.map(key => {
          if (key !== staticCacheName) {
            return caches.delete(key);
          }
        })
      )
    )
  );
});

// Fetch event
self.addEventListener("fetch", event => {
  event.respondWith(
    caches.match(event.request).then(response => {
      return response || fetch(event.request).catch(() => caches.match('./offline.html'));
    })
  );
});
```

Make the following changes to the service-worker.js

// Install Event: Cache assets

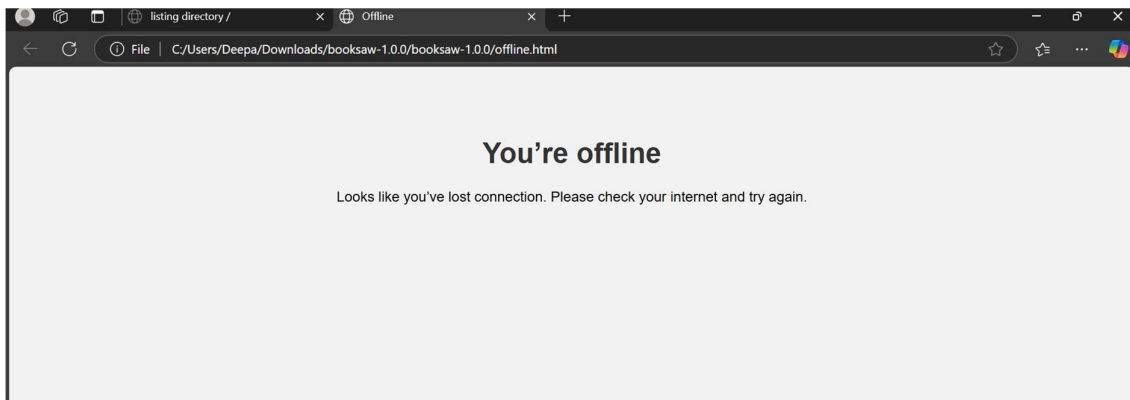
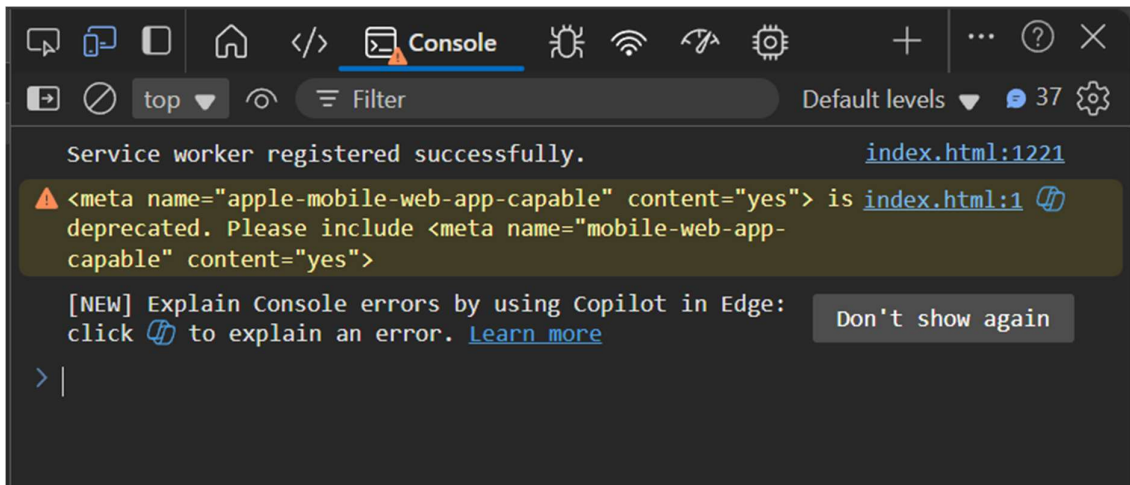
// Activate Event: Cleanup old caches

// Fetch Event: Supports both Cache-First & Network-First

// Sync Event: Retry sending data when online

// Function to send pending screenshots to the server

// Push Event: Display push notifications



Conclusion: We implemented the functionality of offline web cache capture so that in the absence of a stable internet connection, the app would display a generic waiting page.