

Experiment 9	
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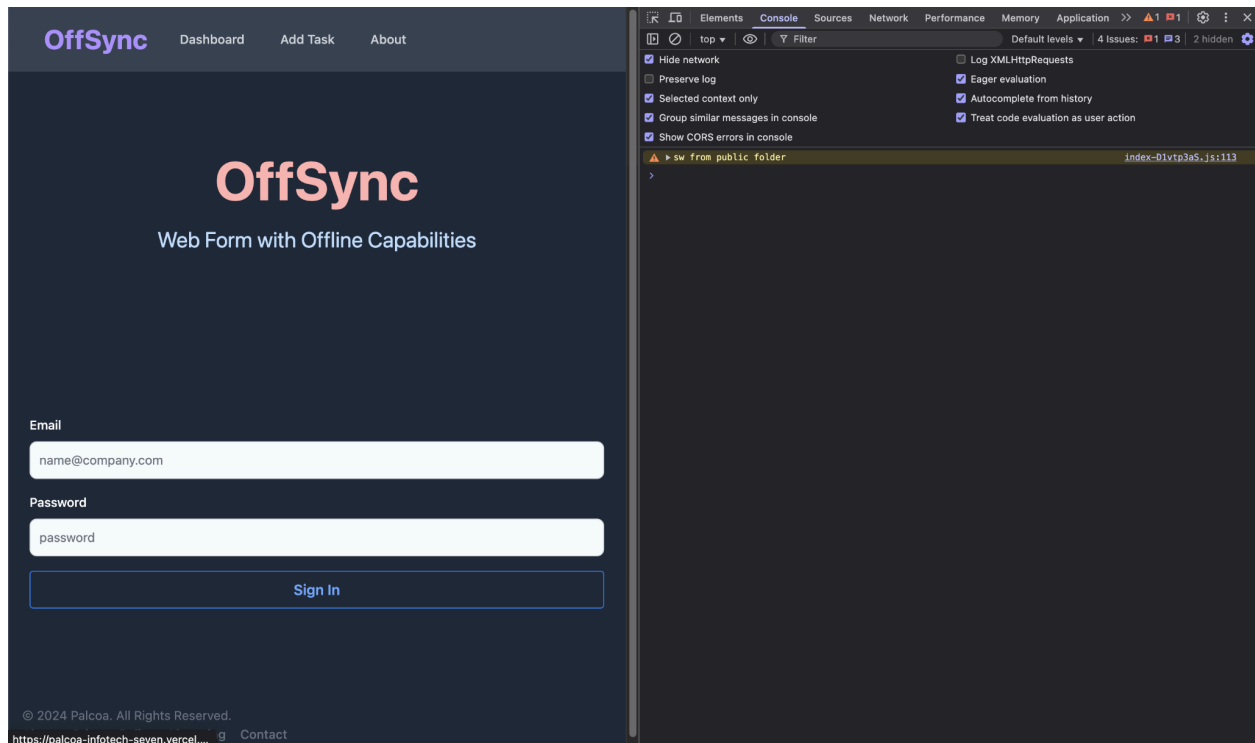
**Aim:** To implement Service worker events like fetch, sync and push for Transactional PWA

### Theory:

Implementing service worker events like fetch, sync, and push is essential for enhancing the performance and user experience of an Transactional Progressive Web App (PWA).

- **Fetch Event:** Allows the service worker to intercept network requests and provide responses from the cache or fetch them from the network. This ensures faster load times and offline capabilities.
- **Sync Event:** Enables background synchronization of data when the app regains internet connectivity. This ensures that user actions like adding items to the cart are properly synced once the network is available.
- **Push Event:** Handles push notifications sent to users, keeping them engaged with timely offers or updates, even when the app is not active.

## Output:



## Conclusion:

In conclusion, implementing service worker events like fetch, sync, and push significantly enhances the functionality of a PWA. The fetch event improves load speed and offline capabilities by caching assets, the sync event ensures background data synchronization when the user is back online, and the push event enables timely notifications to keep users engaged. These features provide a smoother, more reliable user experience, even in low or no network conditions, making the app more efficient and user-friendly.