

Progressive Web App Day 2

Hilman Ibnu Assiddiq



Outline

- ~~Getting Started~~
- ~~Understanding App Manifest~~
- ~~The Service Workers~~
- ~~Promise and Fetch~~
- **Service Workers - Caching**
- Service Workers - Advanced Caching
- IndexedDB and Dynamic Data
- Background Sync
- Web Push Notifications

Providing Offline Support



Poor Connection

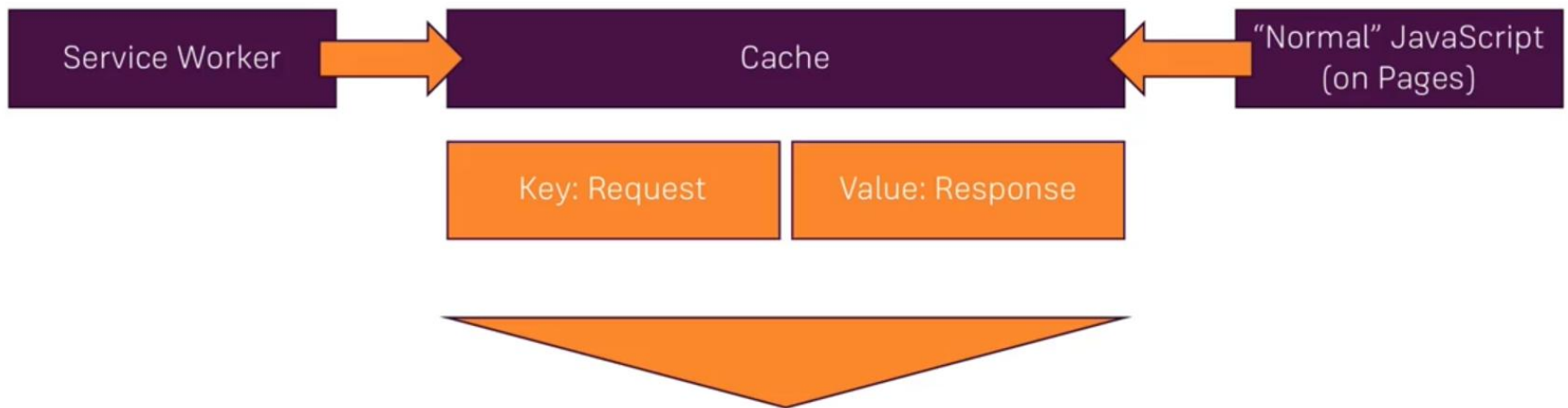


No Connection



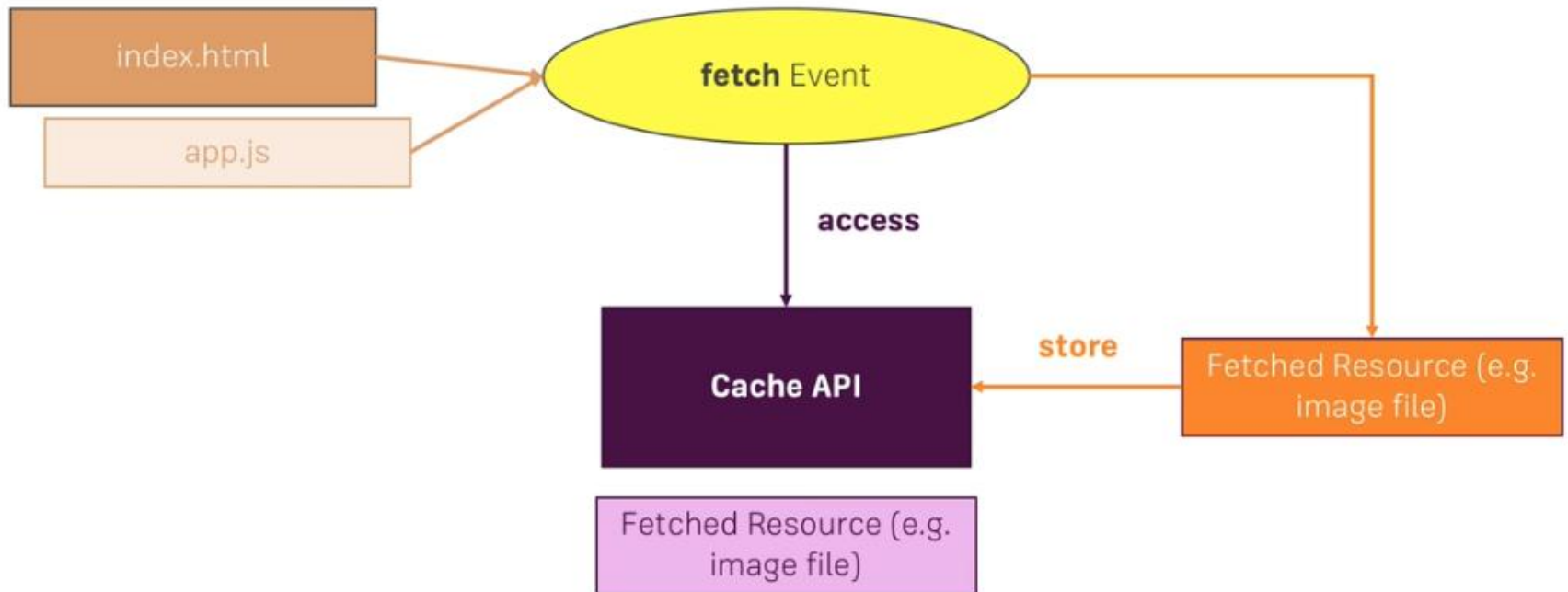
Lie-Fie!

Cache API



Cache Data can be retrieved instead of sending Network Request

Dynamic Caching



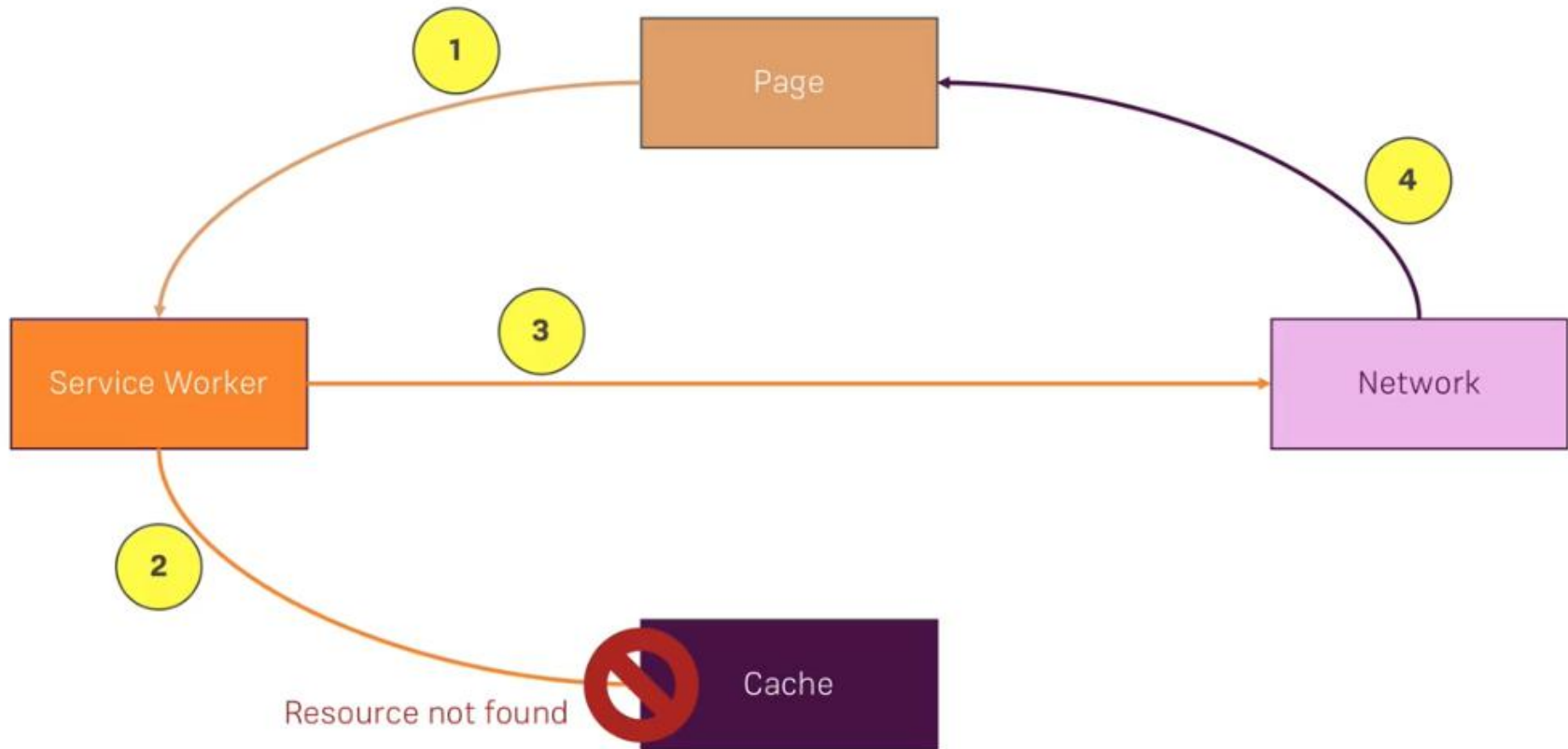
Useful Links

- About Cache Persistence and Storage Limits:
<https://jakearchibald.com/2014/offline-cookbook/#cache-persistence>
- Learn more about Service Workers:
https://developer.mozilla.org/en/docs/Web/API/Service_Worker_API
- Google's Introduction to Service Workers:
<https://developers.google.com/web/fundamentals/getting-started/primers/service-workers>

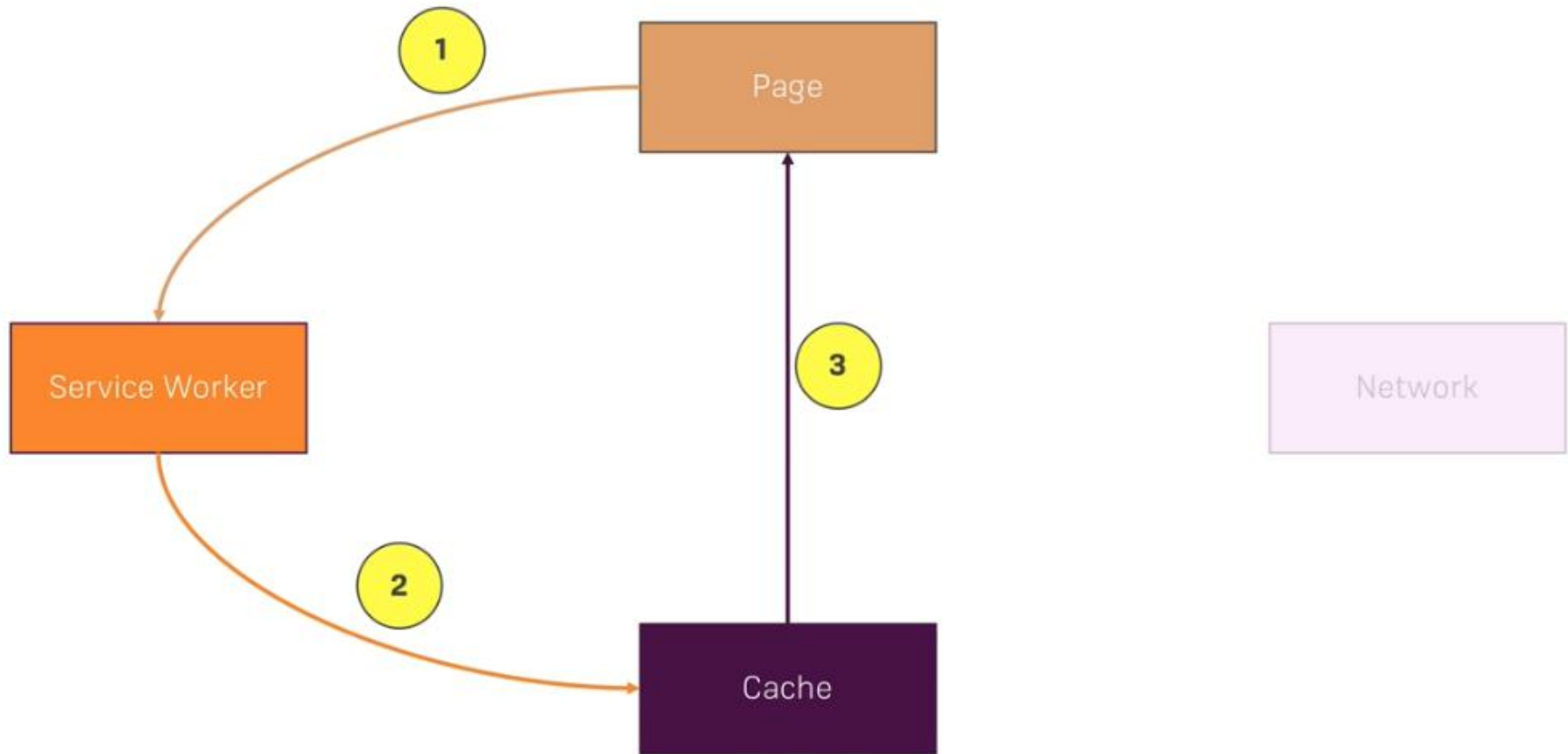
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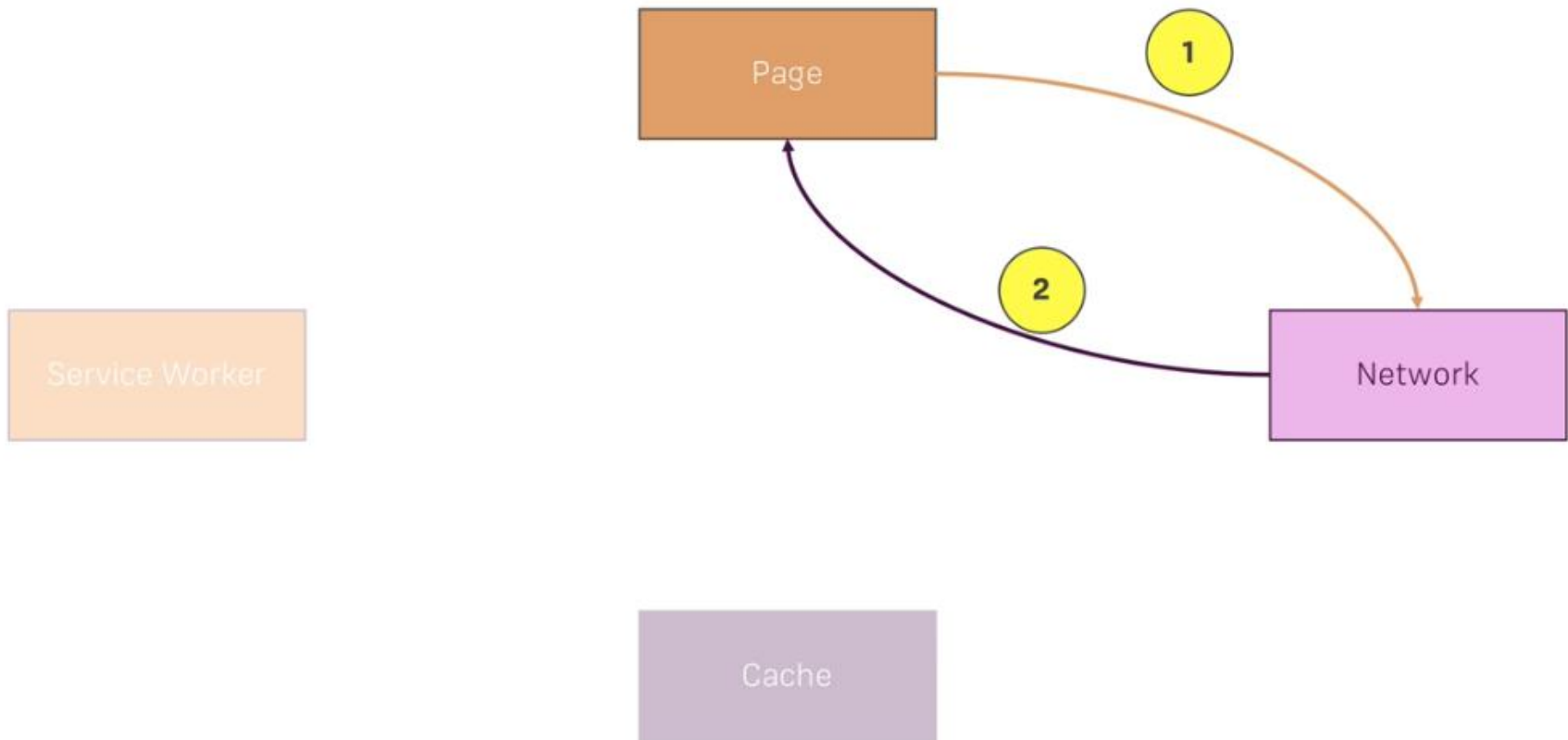
Strategy : Cache with Network Fallback



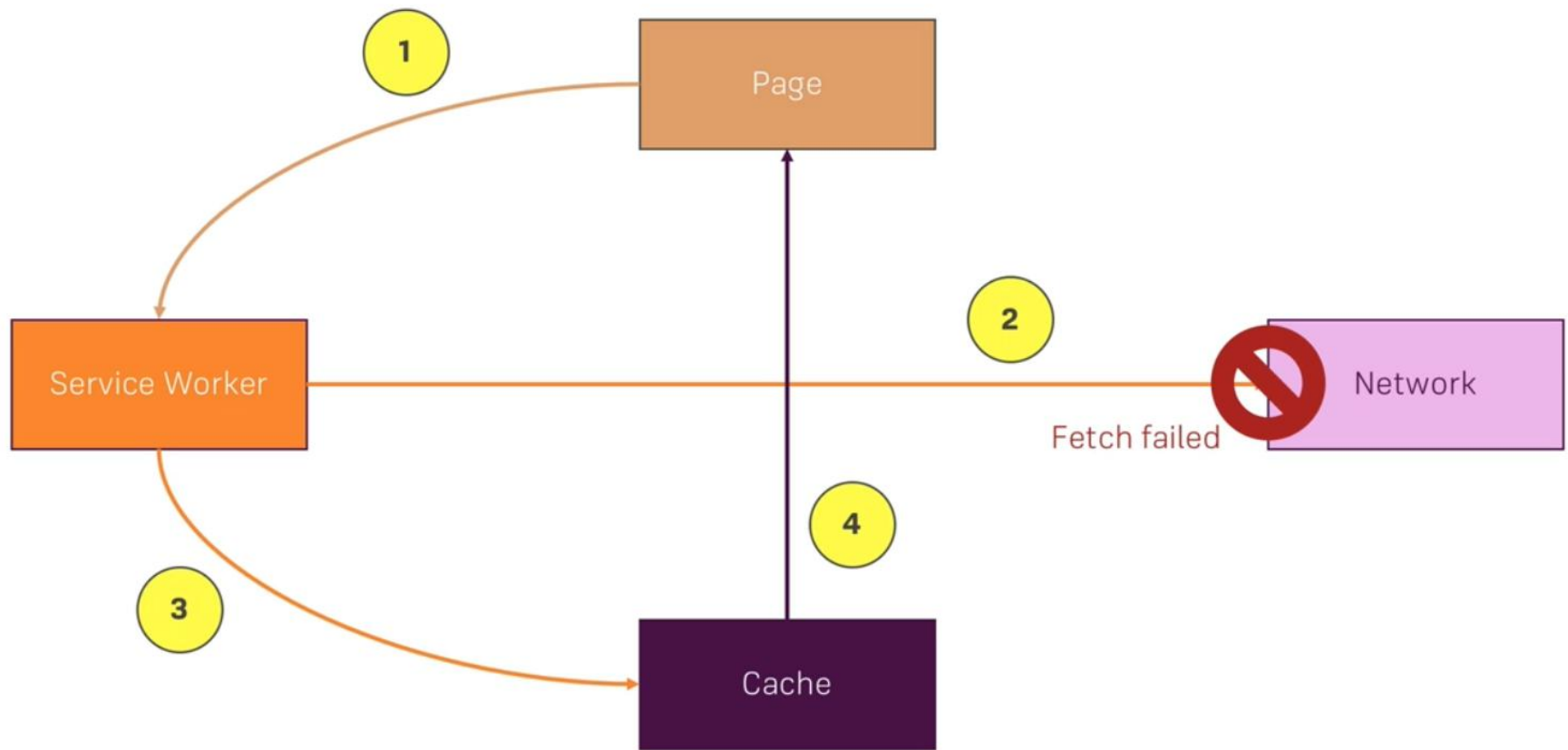
Strategy : Cache Only



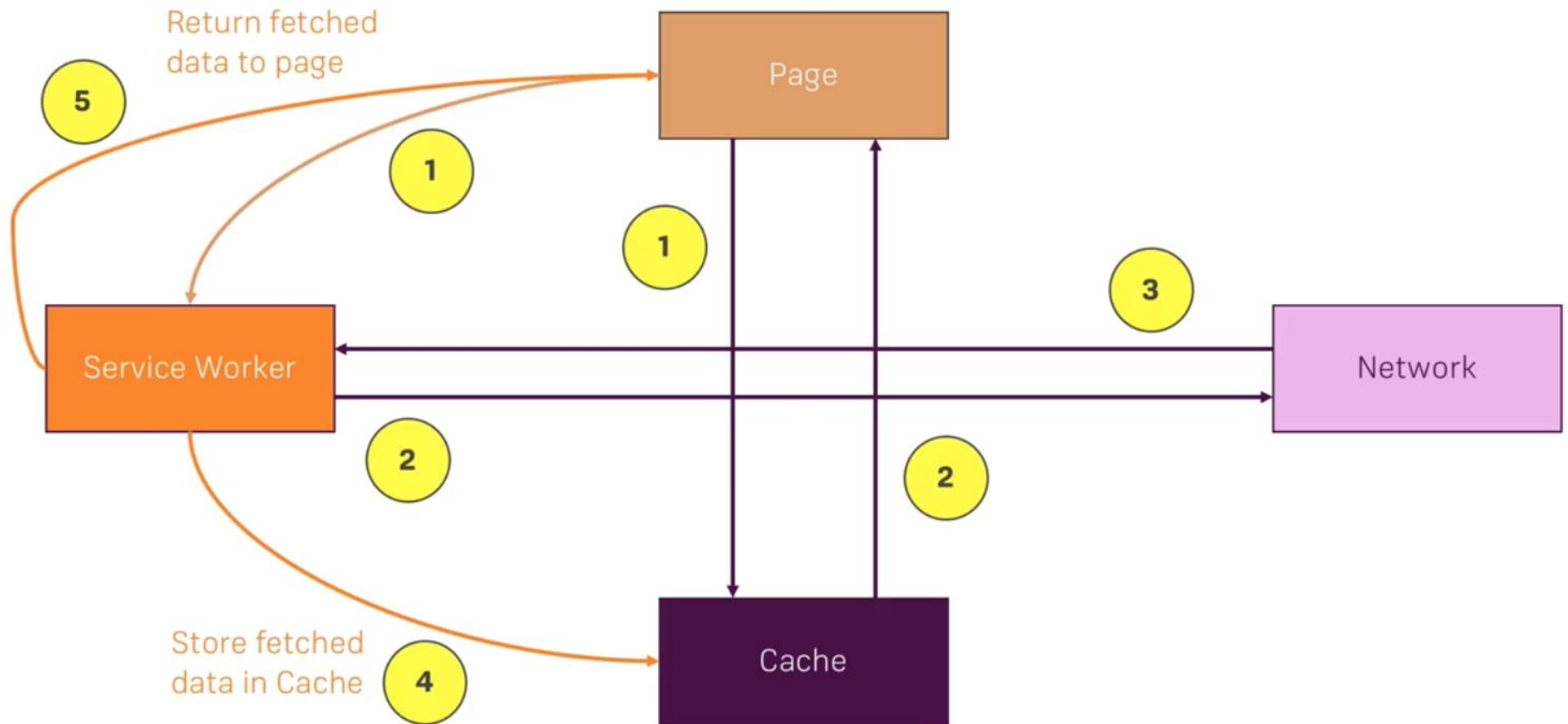
Strategy : Network Only



Strategy : Network with Cache Fallback



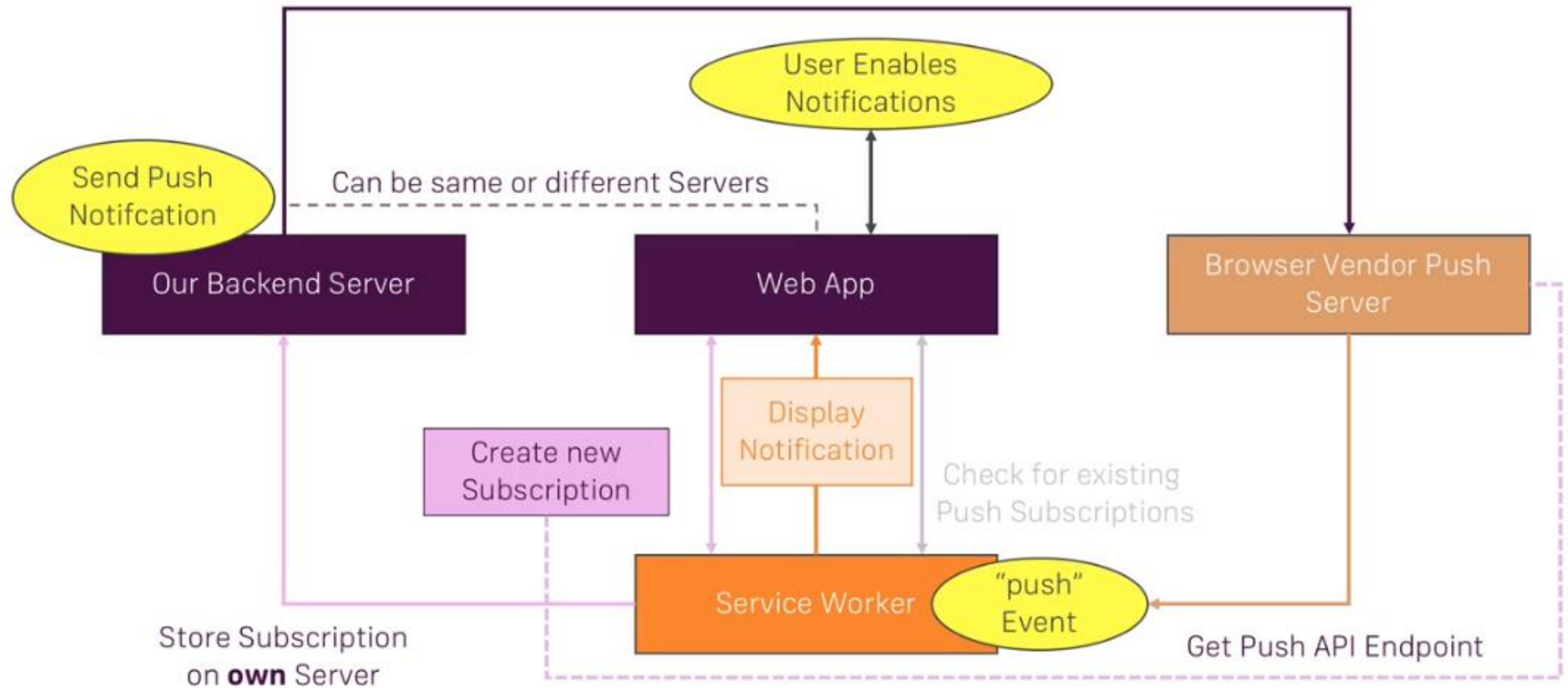
Strategy: Cache, then Network



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What is Push Notification



How Push Notification

