



DUAL-UX

One PWA. Two experiences.

DUAL-UX is a patented technology that allows one Progressive Web App (PWA) to deliver distinct web and app user experiences—bridging the UX gap that has stalled enterprise PWA adoption.

Key Benefits / Differentiators

- Context-Aware UI: **Automatically detects how the PWA is opened and adapts UX.**
 - Faster Deployment: **Single codebase for browser and installable app.**
 - Enterprise UX, Web Speed: **Combines native feel with SEO-friendly web delivery.**
 - App Store Optional: **Distribute instantly via QR, SMS, or URL, no app store delays.**
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Use Cases / Target Markets

- **Banking & Fintech** (e.g., onboarding portals)
 - **Hospitality & Events** (e.g., branded guest apps)
 - **Retail & Loyalty** (e.g., installable coupon apps)
 - **Government & Public Sector** (e.g., hybrid service kiosks)
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DUAL-UX Solves This

DUAL-UX introduces a **context-aware UX switcher** built into the PWA lifecycle

Mode	Behaviour
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Web UX	SEO-optimized, sharable microsite with fast-loading, link-first design.
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App UX	Full-screen, install-only experience with native-style features: onboarding flows, gestures, caching, and persistent navigation.
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Result: One codebase, two UX layers. No compromise.

Real-World Example

Bull & Firkin Toronto, Loyalty App

On mobile browsers, it acts as a lightweight microsite.
Once installed, it becomes a branded loyalty app with offline capability and immersive UX.

<https://bullandfirkin.easywebapp.ca>

Strategic Alignment

This technology **complements** major platform investments:

Company	PWA Strategy	DUAL-UX Enhancement
Google	Workbox, Chrome install banners, TWA, Lighthouse	Adds install-time UX differentiation
Microsoft	PWAs in Microsoft Store, Edge install prompts	Delivers native-like UX inside Store PWAs

DUAL-UX is not competing, **it's completing** the ecosystem.

Licensing Opportunity

Now available for **OEM, integrator, and cloud platform licensing**

Compatible with: **Google Firebase, Microsoft Azure, TWA, Edge, Chrome**

Support: Implementation guides, code references, and co-branding options

- **Free for Open Source (GPL)**
- **Commercial License** for closed-source, OEM, or SaaS use
- **Field of Use:** Technology platforms, development frameworks, SMB platforms, OEMs

- **Ideal Partners:**

- Browser vendors (Chrome, Edge)
 - App builders (Firebase, Azure App Service, low-code platforms)
 - Web agencies or Digital transformation providers
 - Payment and e-Commerce service providers
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Inventor & Contact

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Patent & prototype available for review