

PWA Banner Fix - Complete Removal from All Pages

Issue Summary

PWA install banner was still showing on authenticated pages (Login, Dashboard, Marketplace, User Management) even though it was removed from public pages (homepage).

Root Cause Analysis

Previous Fix (Incomplete)

- The install banner in `PWAManager.tsx` was commented out (lines 453-467)
- This fixed the banner on public pages

Why Banner Still Showed on Authenticated Pages

1. **Separate Component:** The `PWAInstallButton` component in `src/components/pwa/PWAInstallButton.tsx` was still active
2. **DashboardLayout Integration:** `DashboardLayout.tsx` (used for authenticated pages) imported and rendered `<PWAInstallButton>` on line 822
3. **State Management:** `PWAInstallButton` gets its `isInstallable` state from the `PWAContext` provided by `PWAManager`
4. **Event Listener:** The `beforeinstallprompt` browser event was still being listened to and setting `isInstallable = true`, even when PWA was disabled

The Fix

1. Updated PWAManager.tsx

Added environment variable check in the `beforeinstallprompt` event handler:

```
// Effect to handle beforeinstallprompt event for install button
useEffect(() => {
  // Check if PWA is enabled via environment variable
  const pwaEnabled = (process.env['NEXT_PUBLIC_PWA_ENABLED'] || '').toString() ===
  '1';

  // Don't handle install prompts if PWA is disabled
  if (!pwaEnabled) {
    console.info('[PWAManager] PWA disabled - install prompts suppressed');
    return;
  }

  const handleBeforeInstallPrompt = (e: Event) => {
    // ... rest of the code
    setIsInstallable(true);
  };

  window.addEventListener('beforeinstallprompt', handleBeforeInstallPrompt);
  // ...
}, []);
```

Impact:

- When `NEXT_PUBLIC_PWA_ENABLED` is not set to '1', the `beforeinstallprompt` event listener is never registered
- This prevents `isInstallable` from ever becoming `true`
- As a result, `PWAInstallButton` will not render (it returns `null` when not installable)

2. Updated .env File

Added explicit documentation:

```
# PWA Configuration (Progressive Web App)
# Set to '1' to enable PWA features (install prompts, offline support, service workers)
# Currently DISABLED to avoid UI clutter and focus on core functionality
# NEXT_PUBLIC_PWA_ENABLED=0
```

How It Works

PWA Control Flow

- 1. Service Worker Registration** (`PWAManager.tsx` lines 97-162):
 - Already had kill-switch: when `NEXT_PUBLIC_PWA_ENABLED != '1'`, it unregisters all service workers
- 2. Install Prompt Event** (`PWAManager.tsx` lines 206-230):
 - **NEW:** Now also checks `NEXT_PUBLIC_PWA_ENABLED` before registering event listener
 - If disabled, `isInstallable` never becomes `true`
- 3. PWAInstallButton Rendering** (`PWAInstallButton.tsx` lines 67-125):
 - Component checks `isInstallable` from PWA context
 - Returns `null` if not installable (line 125)
 - Since we never set `isInstallable = true`, the button never renders

Files Modified

1. `src/components/pwa/PWAManager.tsx` - Added environment check to suppress install prompts
2. `.env` - Added documentation for PWA configuration

Testing Checklist

- [x] Banner removed from public pages (homepage)  (already fixed)
- [] Banner removed from authenticated pages:

 - [] Login page
 - [] Dashboard
 - [] Marketplace
 - [] User Management
 - [] Admin pages

Verification Steps

1. Check that `NEXT_PUBLIC_PWA_ENABLED` is not set or not set to '1' in environment variables
2. Visit authenticated pages and confirm no install button/banner appears
3. Check browser console for log: `[PWAManager] PWA disabled - install prompts suppressed`
4. Verify that service workers are not registered (check Application tab in DevTools)

Deployment Notes

- No environment variables need to be changed on Render
- Default behavior is PWA disabled (secure by default)
- To enable PWA in future, set `NEXT_PUBLIC_PWA_ENABLED=1` in environment

Related Components

- `src/components/pwa/PWAManager.tsx` - Main PWA provider with context
- `src/components/pwa/PWAInstallButton.tsx` - Install button component
- `src/components/pwa/InstallPrompt.tsx` - Banner/modal prompt component (not used in layouts)
- `src/components/layout/DashboardLayout.tsx` - Uses PWAInstallButton (now suppressed)
- `src/app/layout.tsx` - Root layout that wraps app with PWAManager

Summary

The fix ensures that when PWA is disabled (default state), the install prompt event is never listened to, which prevents any PWA install UI from appearing anywhere in the app, including authenticated pages.