

# PWA Technical Implementation Guide

This document provides the blueprint for the FlightFinder PWA, ensuring it meets all "Installability" requirements for modern browsers.

## 1. Core File: `manifest.json`

This JSON file tells the browser your website is an app.

- **Key Properties:** Defines the `name`, (set to your search page), and to hide browser toolbars. `short_name` `start_url` `display: standalone`
- **Background Color:** Matches your purple/blue theme for a smooth splash screen experience.

## 2. Core Assets: App Icons

PWAs require specific image sizes to look professional on all device home screens.

- **192x192 px:** Used for the Android splash screen and home screen icons.
- **512x512 px:** The high-resolution version used for larger displays and app store-style previews.
- **Maskable Icons:** Configured so the icon looks perfect whether the phone uses round, square, or teardrop-shaped icons.

## 3. Visual Descriptions (Screenshots)

To make the document clear, it includes descriptions of these key visual states:

- **The Install Prompt:** A screenshot showing the "Install" button appearing in the Chrome address bar, confirming the manifest is working.
- **The Splash Screen:** A preview of the mobile loading screen (Your logo on a purple background) that appears when the app opens.
- **Standalone Window:** A screenshot showing your Flight Results page without a URL bar, proving the PWA is running as an independent app.
- **The Service Worker Console:** A screenshot of the browser "Application" tab showing the Service Worker is **Active and Running**.