**PakRide Customer App - Public Assets**

This folder contains all the static assets and configuration files for the PakRide Customer App.

**📁 Files Overview**

**Core Files**

* **index.html** - Main HTML template with PWA features, loading screen, and meta tags
* **manifest.json** - Progressive Web App manifest for installability
* **sw.js** - Service Worker for offline functionality and caching
* **offline.html** - Offline fallback page when no internet connection

**SEO & Metadata**

* **robots.txt** - Search engine crawler instructions
* **sitemap.xml** - XML sitemap for search engine indexing
* **browserconfig.xml** - Microsoft browser tile configuration

**Server Configuration**

* **.htaccess** - Apache server configuration (security, caching, redirects)

**🖼️ Required Image Assets**

The following image files need to be added to this folder:

**Icons & Logos**

favicon.ico # 16x16, 32x32, 48x48 favicon

logo192.png # 192x192 app icon

logo512.png # 512x512 app icon

apple-touch-icon.png # 180x180 iOS icon

maskable-icon-192.png # 192x192 maskable icon

maskable-icon-512.png # 512x512 maskable icon

**Microsoft Tiles**

mstile-70x70.png # 70x70 small tile

mstile-150x150.png # 150x150 medium tile

mstile-310x150.png # 310x150 wide tile

mstile-310x310.png # 310x310 large tile

**Social Media Images**

og-image.png # 1200x630 Open Graph image

twitter-image.png # 1200x600 Twitter card image

**App Screenshots**

screenshots/

├── home-mobile.png # 320x640 mobile screenshot

├── booking-mobile.png # 320x640 mobile screenshot

└── home-desktop.png # 1280x720 desktop screenshot

**Shortcut Icons**

icons/

├── shortcut-ride.png # 96x96 ride shortcut icon

├── shortcut-track.png # 96x96 track shortcut icon

├── shortcut-wallet.png # 96x96 wallet shortcut icon

├── checkmark.png # 32x32 notification action icon

└── xmark.png # 32x32 notification close icon

**Additional Icons**

badge-72x72.png # 72x72 notification badge

favicon-32x32.png # 32x32 favicon variant

favicon-16x16.png # 16x16 favicon variant

**🎨 Icon Design Guidelines**

**Color Scheme**

* **Primary**: #16a34a (Pakistan Green)
* **Secondary**: #ffffff (White)
* **Background**: Use gradients from green to darker green

**Design Requirements**

* **Favicon**: Simple "P" or car icon in green
* **App Icons**: PakRide logo with green background
* **Maskable Icons**: Icon should be centered with safe area padding
* **Tiles**: High contrast, readable text on green background

**Sample Icon Creation**

css

*/\* Base icon style \*/*

background: linear-gradient(135deg, #16a34a, #059669);

color: white;

border-radius: 15px; */\* For app icons \*/*

**🔧 Configuration Details**

**PWA Features**

* **Installable**: App can be installed on home screen
* **Offline Support**: Service worker caches essential resources
* **Background Sync**: Syncs data when connection restored
* **Push Notifications**: Ride updates and promotional messages

**Security Headers**

* Content Security Policy (CSP)
* XSS Protection
* Clickjacking Protection
* HSTS (HTTPS enforcement)

**Performance Optimizations**

* **Compression**: Gzip/Deflate for all text assets
* **Caching**: Long-term caching for static assets
* **Preloading**: DNS prefetch and preconnect for external resources

**📱 Mobile Optimization**

**Viewport Configuration**

html

<meta name="viewport" content="width=device-width, initial-scale=1.0">

**iOS Safari**

* Status bar styling
* Home screen icon
* Splash screen configuration

**Android Chrome**

* Theme color for status bar
* Maskable icons for adaptive icons
* Install prompt handling

**🚀 Deployment Notes**

**Production Checklist**

1. ✅ Add all required image assets
2. ✅ Update manifest.json with production URLs
3. ✅ Configure HTTPS redirects in .htaccess
4. ✅ Set up proper caching headers
5. ✅ Test PWA installation
6. ✅ Verify offline functionality
7. ✅ Test on multiple devices and browsers

**CDN Configuration**

For production, consider moving static assets to a CDN:

https://cdn.pakride.com/customer/

├── icons/

├── images/

└── screenshots/

**Analytics Integration**

Add tracking pixels or analytics scripts in index.html:

html

*<!-- Google Analytics -->*

<script async src="https://www.googletagmanager.com/gtag/js?id=GA\_MEASUREMENT\_ID"></script>

*<!-- Facebook Pixel -->*

<script>

!function(f,b,e,v,n,t,s) {*/\* Facebook Pixel Code \*/*}

</script>

**🔍 Testing**

**PWA Testing**

* Chrome DevTools > Application > Manifest
* Lighthouse PWA audit
* Test offline functionality
* Verify service worker registration

**Cross-Browser Testing**

* Safari (iOS/macOS)
* Chrome (Android/Desktop)
* Firefox (Android/Desktop)
* Edge (Windows)

**Performance Testing**

* PageSpeed Insights
* GTmetrix
* WebPageTest
* Core Web Vitals

**📋 Maintenance**

**Regular Updates**

* Update service worker version for new releases
* Refresh manifest.json if app details change
* Update sitemap.xml for new pages
* Monitor and update security headers

**Monitoring**

* Track PWA installation rates
* Monitor offline usage patterns
* Analyze Core Web Vitals
* Check for broken external links

**Note**: This folder is served statically and should not contain any sensitive information or API keys.