

USE CASES

Main Use Cases

These define the **core purpose** of your system:

1. **Verify the Safety of a QR Code**
 - ◆ This is the *primary functional use case* — it's what your system is built for.
 - ◆ All internal steps like scanning, decoding, checking with GSB API, and displaying results are part of this.
 2. **Install and Use the App as a PWA**
 - ◆ This defines your system's *platform behaviour*.
 - ◆ It lets users install and run the system like a mobile or desktop app.
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Optional UX-Oriented Layers






These aren't core but **enhance usability** and give users **control** or **flexibility**:


3. **Manually View / Copy / Open the Scanned URL**
 - ◆ Helps users decide what to do with the verified URL.
 - ◆ Improves trust and usability without compromising safety.
 4. **Allow Rescanning / Clearing Results**
 - ◆ Improves smooth flow between multiple QR verifications.
 5. **Show Status Messages / Errors Gracefully**
 - ◆ Makes the app more professional and user-friendly.
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Selected Value-Adding Features

1. Core Usability Enhancements



These features directly improve how the user interacts with the system.

-  **Copy URL Button** – Lets users copy the scanned URL.
-  **Manual URL Entry** – Users can paste a URL for safety check (beyond QR).
-  **Clear/Reset Button** – Resets the current scan/session without reloading.
-  **Scan History (Local)** – Stores a private history of previously scanned URLs.
-  **Light/Dark Mode Toggle** – User can switch themes based on preference.

-  **Animated Feedback** – Visual indicators (icons/colors) to reflect safety status clearly.
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2. PWA & Mobile Experience Enhancements

These features enhance the mobile-app-like behavior of your system.

-  **Install App Prompt** – Prompts user to install the app on mobile or desktop.
 -  **App Icon & Splash Screen** – Provides a branded app-like startup experience.
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3. Safety & Trust Features

These increase user confidence and deliver clearer security signals.

-  **Threat Type Display** – Shows specific threat (e.g., malware, phishing) if detected.
 -  **Verified Badge** – Shows a “safe” or “verified” badge when the URL passes safety checks.
 -  **Report Suspicious QR** – Lets users report a QR code they believe is suspicious.
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4. Advanced Input Option

This adds a flexible way to interact with the system.

-  **QR Image Upload** – Users can upload an image of a QR code instead of scanning live.
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