

# QuickShort – URL Shortener

Version 1.0

Manifest V3

Chrome | Edge Compatible

**QuickShort** is a lightweight, high-performance browser extension built on the **Manifest V3** architecture. It allows users to shorten URLs instantly using the **TinyURL API**, supporting both random generation and custom aliases.

## Features

### 1. Quick Context Menu (Right-Click)

- Shorten the current page or any link on a webpage instantly via the Right-Click menu.
- **Automatic Copy:** The shortened URL is automatically copied to your clipboard.
- **Zero Interaction:** No need to open a popup or type anything.

### 2. Popup Interface (Custom Mode)

- **Custom Aliases:** Create branded links (e.g., `tinyurl.com/my-project-2024`).
- **Editable Input:** Auto-fills the current tab URL but allows pasting any other link.
- **Visual Feedback:** Instant success/error messages.

### 3. Privacy-First Architecture

- Built with **Manifest V3** Service Workers.
- Uses `activeTab` permission, meaning it only accesses data when you specifically ask it to.
- Zero background memory usage when idle.

## Installation Guide

Since this is a developer project, it is installed via "Developer Mode".

1. **Download/Clone** this repository to your computer.
2. Open your browser:

- **Chrome:** Go to `chrome://extensions`
  - **Edge:** Go to `edge://extensions`
3. Enable **Developer Mode** (Toggle switch in the top-right corner).
  4. Click **Load Unpacked**.
  5. Select the folder containing this project.
  6. The **QuickShort** icon should appear in your toolbar!
- 

## How to Use

### Mode A: The "Speed" Method

1. **Right-click** anywhere on a webpage (or on a specific link).
2. Select  **Quick Shorten & Copy**.
3. A notification will confirm the copy. You can now Paste (`Ctrl+V`) the link anywhere.

### Mode B: The "Custom" Method

1. Click the **QuickShort Icon** in your browser toolbar.
  2. The current URL is auto-filled (or you can paste a new one).
  3. (Optional) Type a custom name in the "Custom Alias" box.
  4. Click **Shorten & Copy**.
- 

## Project Structure

```
QuickShort/
|
├── manifest.json      # Configuration & Permissions (Manifest V3)
├── background.js      # Service Worker (Handles Right-Click Logic)
├── popup.html          # The User Interface for Custom Links
├── popup.js            # Logic for the Popup UI
└── icons/
    └── icon-48.png      # Extension Icon
```