🧩 Generic Tooltip Plugin Documentation

# Overview

The Generic Tooltip Plugin is a lightweight, framework-agnostic JavaScript and CSS solution that adds rich, customizable tooltips to any HTML element using data attributes. It supports both plain text and full HTML content including images, videos, and iframes, making it ideal for enhancing UX on input fields, buttons, forms, and other DOM elements.

# ✨ Features

* ✅ Lightweight (pure JS, no dependencies)
* 🎨 Supports plain text and full HTML content
* 🖱️ Supports both click and hover triggers
* 🧱 Non-intrusive and self-contained (scoped styles, encapsulated JS)
* 📱 Responsive and mobile-friendly
* 🔧 Fully customizable via data-\* attributes

# 🔧 Installation

## Method 1: Embed directly (for quick usage)

Include the script and style directly in your HTML page:

<!-- Include the plugin HTML/JS/CSS -->  
<link rel="stylesheet" href="tooltip.css">  
<script src="tooltip.js"></script>

You can also inline the CSS/JS in a single file for use as a standalone plugin.

# 🚀 Usage

Basic Example:

<input   
 type="text"   
 placeholder="Email"   
 data-tooltip="Enter a valid email address"   
 data-show="click" />

With HTML Content:

<div   
 data-tooltip-html="<img src='https://i.pravatar.cc/150' style='border-radius:8px;'/><p>User profile image</p>"   
 data-show="hover">  
 Hover to view profile  
</div>

# 🧩 Attributes

|  |  |
| --- | --- |
| Attribute | Description |
| data-tooltip | The text content of the tooltip (with typing animation). |
| data-tooltip-html | The HTML content of the tooltip (rich formatting, images, etc.). |
| data-show | When to show the tooltip. Accepts "click" (default) or "hover". |

# ⚙️ Behavior & Options

- data-tooltip: Adds a typing-effect tooltip using monospaced font and blinking cursor.  
- data-tooltip-html: Injects HTML directly. Useful for rich content like cards, videos, etc.  
- data-show="click": Shows the tooltip on click (default).  
- data-show="hover": Shows the tooltip on mouse enter, hides on leave.

# 💻 Example Use Cases

* Form helper tooltips
* Profile previews
* Embedded video previews
* Documentation hints
* Product quick-views

# 📐 Positioning

Tooltips are automatically positioned above the target element. If insufficient space, it appears below.

# 📦 API (Internal)

The plugin is initialized automatically:

new GenericTooltip({  
 speed: 60, // Typing animation speed (ms per character)  
});

To manually initialize or re-initialize after DOM changes:

new GenericTooltip();

# 💡 Best Practices

* Avoid very large inline HTML blocks; keep content concise.
* Test for accessibility if using in production.
* Use pointer-events: none wisely — already handled in the plugin for tooltips.
* Use max-width, object-fit, and resize: both only inside your HTML via inline styles.

# 🛠️ Technical Details

- Language: JavaScript (ES6)  
- Dependencies: None  
- Encapsulation: CSS is scoped with .generic-tooltip, JavaScript is wrapped in an IIFE  
- Events: click, mouseenter, mouseleave, scroll, resize

# 🧪 Browser Support

|  |  |
| --- | --- |
| Browser | Supported |
| Chrome | ✅ |
| Firefox | ✅ |
| Safari | ✅ |
| Edge | ✅ |
| IE 11+ | ⚠️ Not tested |

# 📁 Folder Structure (if exported)

/tooltip-plugin/  
├── tooltip.css # Scoped CSS for the tooltip  
├── tooltip.js # Standalone JS module  
└── index.html # Sample usage demo