

# EPROJECT: PASCAL IMITATION JEWELLERY

## DOCUMENTATION [DEVELOPER GUIDE]

Detail	Value
Project Title	Pascal Imitation Jewellery - E-commerce Site
Document Type	Developer Guide & Technical Specifications
Technology	HTML5, CSS3, Vanilla JavaScript
Target Audience	Project Developers / Maintainers
Version	1.0 (Initial Release)

## SECTION 1: SYNOPSIS AND ARCHITECTURE

The Pascal Imitation Jewellery project is a **Static Multi-Page Application (MPA)** developed using foundational web technologies (HTML, CSS, JavaScript). Its primary goal is to provide a royal and luxurious e-commerce experience centered around imitation jewelry.

### 1.1 Project Objectives

- 1. **Immersive UI:** Implement a dark-mode, luxury theme using a gold color palette for visual appeal.
- 2. **Dynamic Product Display:** Centralize product data in JavaScript for easy filtering and rendering on category pages.
- 3. **Core Features:** Provide essential e-commerce tools like Product Filtering, Comparison, and Wishlist functionality.
- 4. **UX Enhancement:** Utilize a custom pre-loader for an engaging initial loading experience on the homepage.

### 1.2 File Structure Overview

The project is organized with clear separation between structure, styling, and logic:

Component	Files	Description
Structure	*.html (12 files)	Defines all page layouts (Home, Products, Rings, Compare, etc.).
Styling	CSS/style.css	Global styling, variables, animations, and responsive design.

Component	Files	Description
Core Logic	JAVASCRIPT/script.js	Contains all product data, filtering logic, and feature implementation.
Utility Logic	JAVASCRIPT/loader.js	Dedicated script for the custom animated loading screen.

# SECTION 2: TECHNICAL SPECIFICATIONS

## 2.1 Styling Standardization (CSS/style.css)

The design relies heavily on centralized CSS variables defined in the `:root` selector for maintainability.

CSS Variable	Default Value	Usage
<code>--gold</code>	<code>#D4AF37</code>	Primary accent for buttons, headings, and interactive elements.
<code>--dark</code>	<code>#0a0a0a</code>	Background color for the dark mode theme.
<code>--text-primary</code>	<code>#ffffff</code>	Standard text color.
<code>--glass</code>	<code>rgba(255, 255, 255, 0.05)</code>	Used for subtle, translucent backgrounds (e.g., card backgrounds).

## SECTION 3: CORE FUNCTIONALITY (JAVASCRIPT)

### 3.1 Custom Pre-loader (*loader.js*)

The `loader.js` script provides a simulated, multi-step loading experience on `home.html`.

Functionality	Implementation Details
Progress Simulation	Uses <code>setInterval</code> to increment the <code>progress</code> variable by a random amount (2-6%) every 200ms.
Step Tracking	Updates three status steps ( <code>step1</code> , <code>step2</code> , <code>step3</code> ) based on progress milestones (30% for 'Processing', 70% for 'Ready').
Completion	Once <code>progress &gt;= 100</code> , the <code>completeLoading()</code> function executes, which hides the loader ( <code>#loader</code> ) with a fade-out effect.

### 3.2 Product Features (*script.js*)

Feature Name	Primary Function(s)	Description
Category Display	<code>displayRings(collection)</code>	Filters the <code>products</code> array by category and injects the corresponding HTML cards into the product listing container.
Filtering & Sorting	<code>setupRingsFilterListeners()</code>	Listens for changes in the Price Range, Rating, and Brand filters, and re-renders the filtered product set.
Product Comparison	<code>initComparePage()</code> , <code>addToComparison()</code>	Manages product IDs stored in local storage and

Feature Name	Primary Function(s)	Description
		populates the comparison table on <code>compare.html</code> using the product's features array.
<b>Wishlist &amp; Notifications</b>	<code>addWishlistListener(),</code> <code>showBraceletsNotification()</code>	Adds/removes items from the wishlist (toggling the heart icon) and displays a small notification banner for user feedback.

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## SECTION 4: TASK SHEET / MAINTENANCE LOG

<b>Tas k Ref.</b>	<b>Task Description</b>	<b>Status</b>	<b>Note for Next Developer</b>
<b>1.01</b>	Standardize Footer/Header	Pending	The Footer HTML is repeated across all 12 HTML files (aboutus.html, home.html, etc.). Consider using a template or server-side include for easy updates.
<b>1.02</b>	Contact Info Update	Complete	Contact details (+92 333 0101010, info@pascaljewellery.com) are present in all page footers.
<b>1.03</b>	products.html Logic	Incomplete	The products.html file seems to be a gateway page. Logic needs to be added to dynamically show all products, not just categories.
<b>1.04</b>	Image Placeholder Review	Complete	Placeholder images (e.g., https://picsum.photos/) have been replaced with relative paths (images/EPROJECTS



<b>Task Ref.</b>	<b>Task Description</b>	<b>Status</b>	<b>Note for Next Developer</b>
			IMAGES/ . . . ) in the products array.
<b>1.05</b>	Legal Pages	Complete	Dedicated pages for policy.html and terms.html are available and linked in the footer.