

# NOVA

*Style That Speaks Before You Do*

Complete Project Reference

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## What Is NOVA?

NOVA is a production-ready, bilingual (English + Arabic) fashion e-commerce store. It is built entirely in vanilla HTML, CSS, and JavaScript — no React, no Node server, no build step. It deploys as a static site on Vercel in under a minute and works out of the box.

Stat	Value
Total files	18 (HTML + CSS + JS)
Languages supported	English + Arabic (RTL)
Products in catalogue	10 (easily expandable)
Features implemented	20 (all from noteStoDO.txt)
Backend required?	No — fully static (EmailJS for orders)
Build step required?	No — deploy files directly
Estimated load time	Under 2 seconds on 4G

## Quick Start — From Zero to Live in 15 Minutes

1. Download all project files to a folder on your computer
2. Go to [github.com](https://github.com) → Create a new public repository named `nova-store`
3. Upload all files (drag & drop on GitHub web interface)
4. Go to [vercel.com](https://vercel.com) → Sign in with GitHub → Import your `nova-store` repo
5. Click Deploy — done. You get a live URL like `nova-store.vercel.app`
6. Open `analytics.js` and add your GA4 ID, then commit the change
7. Vercel auto-redeploys in 20 seconds on every commit

## Full File List

File	Size	Description
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<code>index.html</code>	37 KB	Full page HTML, DOM structure, event wiring, init script
<code>styles.css</code>	41 KB	Core design system with CSS variables for light/dark mode
<code>extras.css</code>	23 KB	Extra feature styles: engagement, zoom, size guide, mobile nav
<code>products.js</code>	14 KB	Product data — 10 products, bilingual, with colors and stock
<code>i18n.js</code>	11 KB	All UI strings in EN + AR, ~80 keys
<code>lang.js</code>	2.5 KB	Language switcher, RTL/LTR direction, re-renders everything
<code>cart.js</code>	5.5 KB	Cart state, wishlist state, panel UI, open/close
<code>shop.js</code>	8 KB	Product grid render, filter, search, sort, quick-add
<code>modal.js</code>	17 KB	Product detail modal, image zoom, size guide, related items
<code>checkout.js</code>	3.5 KB	Checkout form, EmailJS order submission, success state
<code>darktheme.js</code>	2.5 KB	Dark/light toggle, localStorage persistence, OS preference
<code>trustbar.js</code>	2.5 KB	5-badge trust strip, WhatsApp float button
<code>reviews.js</code>	5.5 KB	6 customer reviews, bilingual, star rendering
<code>infosections.js</code>	1.5 KB	Delivery info + return policy rendering
<code>engagement.js</code>	32 KB	Promo banner, newsletter popup, recently viewed, countdown
<code>analytics.js</code>	14 KB	GA4 + Plausible integration, 10 event types

## Architecture Overview

NOVA has no framework. The architecture is a simple module pattern where each file defines functions and the main inline script in `index.html` coordinates them.

DATA LAYER	
<code>products.js</code>	← product catalogue (static array)
<code>i18n.js</code>	← translation strings (static objects)
<code>localStorage</code>	← cart, wishlist, theme, lang, dismissed banners
LOGIC LAYER	
<code>cart.js</code>	← cart/wishlist mutations
<code>shop.js</code>	← filtering, sorting, rendering
<code>modal.js</code>	← product detail, zoom, size guide
<code>checkout.js</code>	← form handling, EmailJS
<code>lang.js</code>	← language switching
<code>darktheme.js</code>	← theme switching
<code>engagement.js</code>	← promos, newsletter, recently viewed
<code>analytics.js</code>	← event tracking (patches existing functions)

#### PRESENTATION LAYER

styles.css	← design tokens, core components
extras.css	← feature-specific styles
index.html	← HTML structure + init() + event listeners

## State Management

Global state is held in plain JavaScript variables declared in index.html:

Variable	Type	Persisted?	Purpose
products	Array	No	All product data (from products.js)
cart	Array	Yes (localStorage)	Cart items with qty, size, color
wishlist	Array	Yes (localStorage)	Product IDs
currentProduct	Object	No	Currently open product in modal
selectedSize	String	No	Selected size in modal
selectedColorIdx	Number	No	Selected color index in modal
cardColorState	Object	No	Color shown per card (pid → colorIdx)
currentFilter	String	No	Active category filter
currentSearch	String	No	Current search query
currentSort	String	No	Active sort mode
currentLang	String	Yes (localStorage)	Active language (en/ar)

## Key URLs and Configuration Points

What	Where to Find It	Default Value
WhatsApp number	index.html — search wa.me	Set your number here
Site domain (meta)	index.html — top <head> section	https://novafashion.store/
EmailJS keys	index.html — EMAILJS_* constants	Set before launch
GA4 Measurement ID	analytics.js — ANALYTICS_CONFIG	G-Q9ZK4QYW16
Plausible domain	analytics.js — ANALYTICS_CONFIG	enova-store.vercel.app

Promo banner text	engagement.js — PROMO_CONFIG	Summer Sale copy
Sale countdown end	engagement.js — SALE_CONFIG	2026-03-20T23:59:59
Newsletter delay	engagement.js — NEWSLETTER_CONFIG	20000ms (20 seconds)

## How to Work on This With Claude — Session Guide

You do not need to share all files every time. Here is the optimal way to work session by session:

### For frontend changes

- Share only the specific file you want to change
- Describe what you want — Claude will edit that file and return it
- Replace the file in your repo and Vercel auto-deploys

### For adding backend (Phase by Phase)

What You Want	Files to Share	What You Get Back
Orders saved to DB	checkout.js	api/orders.js + updated checkout.js
Live stock numbers	products.js	api/products.js + fetch snippet for index.html
Newsletter emails saved	engagement.js	api/newsletter.js + updated handler
Real customer reviews	reviews.js	api/reviews.js + updated reviews.js
Admin panel	Nothing needed	Complete admin/index.html file
Database schema	Nothing needed	SQL to paste into Supabase editor

### For new features

- Describe the feature clearly
- Share the file most related to it (e.g. share shop.js if it is a product card feature)
- Claude will add the feature to that file minimally — no rewrites of unrelated code

## Pre-Launch Checklist

- [ ] Replace all product images with your real photos (Cloudinary recommended)
- [ ] Update WhatsApp number in index.html
- [ ] Replace <https://novafashion.store/> with your real domain in <head>
- [ ] Set up EmailJS account + template + paste IDs into index.html
- [ ] Set GA4 measurement ID in analytics.js (enabled: true)
- [ ] Review all product names, prices, and descriptions
- [ ] Set correct stock numbers in products.js
- [ ] Update SALE\_CONFIG.endDate in engagement.js
- [ ] Test checkout flow end-to-end on mobile
- [ ] Test Arabic language mode
- [ ] Set analytics.js debug: false
- [ ] Deploy to Vercel and verify live URL works

## Browser Support

Browser	Support Level	Notes
Chrome 90+	Full	Primary target
Safari 14+	Full	iOS + macOS
Firefox 88+	Full	
Edge 90+	Full	
Samsung Internet	Full	Major Android browser
IE 11	Not supported	Uses modern CSS (grid, custom properties)

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### NOVA Fashion Store — Full Project README

*Static frontend by design. Backend-ready by architecture. Built to last.*