

# **RETAIL INNOVATIONS LTD**

## Task 3: Appendices

Web Sources • Validity • References

DPDD Occupational Specialism — Set Task

Document Version 1.0 | January 2025

# 1. Web Sources Listed and Date Referenced

The following web sources were consulted during the development and documentation of the Retail Innovations platform:

#	Source	URL	Date Accessed	Purpose
1	Supabase Documentation	<a href="https://supabase.com/docs">https://supabase.com/docs</a>	January 2025	Database setup, authentication configuration, Row Level Security policy syntax, JavaScript client API reference, trigger functions
2	Supabase Auth Guide	<a href="https://supabase.com/docs/guides/auth">https://supabase.com/docs/guides/auth</a>	January 2025	signInWithEmailAndPassword, signUp with metadata, session management, JWT token handling, bcrypt configuration
3	MDN Web Docs — HTML	<a href="https://developer.mozilla.org/en-US/docs/Web/HTML">https://developer.mozilla.org/en-US/docs/Web/HTML</a>	January 2025	Semantic HTML elements, form input types, accessibility attributes, meta viewport tag
4	MDN Web Docs — CSS	<a href="https://developer.mozilla.org/en-US/docs/Web/CSS">https://developer.mozilla.org/en-US/docs/Web/CSS</a>	January 2025	CSS Grid, Flexbox, custom properties, conic-gradient, backdrop-filter, media queries, animations
5	MDN Web Docs — JavaScript	<a href="https://developer.mozilla.org/en-US/docs/Web/JavaScript">https://developer.mozilla.org/en-US/docs/Web/JavaScript</a>	January 2025	async/await, Promise.all(), array methods, template literals, optional chaining, DOM API
6	Google Fonts	<a href="https://fonts.google.com">https://fonts.google.com</a>	January 2025	Font selection (Playfair Display, DM Sans, JetBrains Mono), CDN import syntax, font pairing guidance
7	Unsplash	<a href="https://unsplash.com">https://unsplash.com</a>	January 2025	Product

		unsplash.com		photography for seed data (10 images across 8 categories), licence terms
8	WCAG 2.1 Quick Reference	<a href="https://www.w3.org/WAI/WCAG21/quickref/">https://www.w3.org/WAI/WCAG21/quickref/</a>	January 2025	Accessibility guidelines: contrast ratios, keyboard navigation, semantic markup, perceivable/operable/understandable/robust principles
9	WebAIM Contrast Checker	<a href="https://webaim.org/resources/contrastchecker/">https://webaim.org/resources/contrastchecker/</a>	January 2025	Verifying colour contrast ratios between text colours and dark background (#0B0F14) against WCAG AA 4.5:1 requirement
10	CSS-Tricks	<a href="https://css-tricks.com">https://css-tricks.com</a>	January 2025	CSS Grid layout patterns, responsive design techniques, custom property best practices, conic-gradient syntax
11	JavaScript.info	<a href="https://javascript.info">https://javascript.info</a>	January 2025	Modern JavaScript tutorial: async patterns, DOM manipulation, event delegation, modules
12	ICO — Guide to Data Protection	<a href="https://ico.org.uk/for-organisations/guide-to-data-protection/">https://ico.org.uk/for-organisations/guide-to-data-protection/</a>	January 2025	UK GDPR compliance requirements: lawful basis, data minimisation, right to erasure, security of processing
13	GOV.UK — Consumer Rights Act 2015	<a href="https://www.legislation.gov.uk/ukpga/2015/15/contents">https://www.legislation.gov.uk/ukpga/2015/15/contents</a>	January 2025	Consumer rights regarding pricing transparency and service quality for e-commerce

				platforms
14	GOV.UK — Equality Act 2010	<a href="https://www.legislation.gov.uk/ukpga/2010/15/contents">https://www.legislation.gov.uk/ukpga/2010/15/contents</a>	January 2025	Accessibility obligations to prevent discrimination against users with disabilities
15	Can I Use	<a href="https://caniuse.com">https://caniuse.com</a>	January 2025	Browser compatibility data for CSS features: conic-gradient, backdrop-filter, CSS Grid, custom properties, appearance

## 2. Web Sources Validity Explanation

Each source has been evaluated for authority, accuracy, currency, and relevance:

**Supabase Documentation (#1, #2):** Official documentation maintained by the Supabase development team. As the backend platform used in this project, this is the definitive and most authoritative source for all Supabase-related implementation. Updated with each platform release. The documentation includes code examples, API references, and best practice guides verified against the actual platform behaviour.

**MDN Web Docs (#3, #4, #5):** Maintained by Mozilla and a global community of web developers. MDN is widely recognised as the most authoritative and comprehensive web technology reference available. It is the de facto standard reference for HTML, CSS, and JavaScript specifications, used by professional developers worldwide. Content is continuously reviewed and updated to reflect current web standards.

**Google Fonts (#6):** Operated by Google. All fonts are open-source under the SIL Open Font License, verified by reviewing the individual font licence pages. The CDN is reliable, fast, and used by millions of websites. Font pairing suggestions are based on typographic design principles.

**Unsplash (#7):** A reputable stock photography platform established in 2013 with over 3 million high-resolution images. The Unsplash License is clearly stated on their website and explicitly permits free use for commercial and non-commercial purposes without requiring attribution. This was verified before selecting images for the project.

**W3C / WAI — WCAG 2.1 (#8):** The World Wide Web Consortium (W3C) is the international standards body for web technologies. WCAG (Web Content Accessibility Guidelines) are the globally recognised accessibility standards. Version 2.1 is the current recommended standard. These guidelines are referenced by legislation in the UK (Equality Act 2010), EU (European Accessibility Act), and many other jurisdictions.

**WebAIM (#9):** A non-profit organisation within the Center for Persons with Disabilities at Utah State University. Their contrast checker is an industry-standard tool used by designers and developers worldwide to verify WCAG compliance. The tool implements the exact WCAG contrast ratio algorithm as specified by the W3C.

**CSS-Tricks (#10):** A long-established web development resource (founded 2007) now maintained by DigitalOcean. Articles are written by experienced front-end developers and regularly updated. Particularly authoritative for CSS layout techniques (Grid, Flexbox) and modern CSS features. Used for implementation guidance, not specification reference.

**JavaScript.info (#11):** A comprehensive modern JavaScript tutorial created by Ilya Kantor. Content is peer-reviewed, regularly updated, and widely used in educational settings. Provides clear explanations of ES6+ features used in this project (async/await, destructuring, template literals). Cross-referenced with MDN for accuracy.

**ICO — Information Commissioner's Office (#12):** The UK's independent authority for data protection and information rights. Their Guide to Data Protection represents the authoritative UK interpretation of the UK GDPR and Data Protection Act 2018. This is the primary source for understanding data protection obligations for any UK-based digital project.

**GOV.UK — Legislation (#13, #14):** The official UK government website for published legislation. The Consumer Rights Act 2015 and Equality Act 2010 are primary legal sources accessed directly from the official legislation archive. These are definitive legal texts, not secondary interpretations.

**Can I Use (#15):** A widely-used web platform providing browser compatibility tables for web technologies. Data is sourced from official browser release notes and community-verified testing. Used to confirm that CSS features (conic-gradient, backdrop-filter, custom properties) are supported across the target browsers (Chrome, Firefox, Edge, Safari).