**Website Requirements Specification**

Requirements Document PDF Generator

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This requirements specification is used to record the user requirements for a website.

**BACKGROUND**

Customised PDF generator that allows users to compile, preview and download personalised or complete reports from modular content sections.

**EXAMPLE USE CASE**



*(***UML Notation created using Microsoft Visio)**

**1. Visitor Interaction**

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| **Req** | **Description** | **Comments** |
| 1.1 | Ability to download complete report as a PDF. | Static Option for users seeking full report. |
| 1.2 | Ability to download selected sections only. | Users can select report section before downloading. |
| 1.3 | Add specific pages to a “Shopping Basket” for cutom PDF’s. | Enables Personalised report compilation. |
| 1.4 | Generate PDF from a checklist of topics or themes. | Useful for thematic or subject-specific bundles. |

**2. Editing, Updates and Administration**

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| **Req** | **Description** | **Comments** |
| 2.1 | Editors can create/edit report sections. | Enables real-time content management. |
| 2.2 | Editors can apply PDF styling options to sections. | Ensures visual consistency. |
| 2.3 | Admin dashboard to view report download statistics. | For platform monitoring. |
| 2.4 | Role-based access controls. | Editors vs Visitors functionality. |

**3. Sitemap and Navigation**

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| **Req** | **Description** | **Comments** |
| 3.1 | Clear navigation to report section pages. | UX-first design focus. |
| 3.2 | Separate page for custom report generation. | Enhances discoverability of PDF tool. |
| 3.3 | Quick access links for popular full reports. | Improves usability for common tasks. |
| 3.4 | Search feature for report topics. | Required for large content bases. |

**4. Content Management**

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| **Req** | **Description** | **Comments** |
| 4.1 | CMS integration for editors. | Existing CMS or custom setup. |
| 4.2 | Auto-save draft features for editors. | Prevent content loss. |
| 4.3 | Version history for report sections. | Supports content tracking. |

**5. Tracking (website statistics)**

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| **Req** | **Description** | **Comments** |
| 5.1 | Track downloads by section or full report. | For usage analytics. |
| 5.2 | Monitor PDF generation frequency. | Evaluate feature engagement. |
| 5.3 | Filter statistics by time range and user type. | Helps identify trends. |

**6. Search Engine Optimisation (SEO)**

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| **Req** | **Description** | **Comments** |
| 6.1 | Optimized URLs for each report section. | Improves search ranking. |
| 6.2 | Meta tags and descriptions for pages. | Dynamic and static content support. |
| 6.3 | Structured data markup (schema.org). | Supports rich search results. |

**7. Editor Interface (Web Content Management System)**

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| **Req** | **Description** | **Comments** |
| 7.1 | Upload and manage images or charts. | Visual data support. |
| 7.2 | Real-time preview before publishing. | Reduces publishing errors. |

**8. Accessibility**

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| **Req** | **Description** | **Comments** |
| 8.1 | PDF generator outputs screen-reader friendly files. | Essential for inclusive access. |
| 8.2 | Keyboard navigability of report builder. | Required for accessibility tools. |

**9. Styling and Design**

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| **Req** | **Description** | **Comments** |
| 9.1 | Branded design for PDF output. | Professional presentation. |
| 9.2 | Theming options for light/dark modes. | Enhances UX. |

**10. Security**

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| **Req** | **Description** | **Comments** |
| 10.1 | HTTPS encryption for all pages. | Standard practice. |
| 10.2 | Admin/editor login via secure protocol. | Enforced authentication measures. |

**11. Hosting**

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| **Req** | **Description** | **Comments** |
| 11.1 | Daily backups for content and reports. | Disaster recovery. |
| 11.2 | Auto-scaling to support traffic spikes. | For high-demand situations. |

**12. Maintenance and Support**

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| **Req** | **Description** | **Comments** |
| 12.1 | Monthly update schedule. | Bug fixes and enhancements. |
| 12.2 | Email support ticket system. | Basic support model. |

**13. Other Requirements**

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| **Req** | **Description** | **Comments** |
| 13.1 | Integration with third-party analytics (e.g., Google Analytics). | Optional but recommended. |
| 13.2 | Export usage stats to CSV. | For internal reporting. |
| 13.3 | Compliance with GDPR for EU users. | Mandatory for EU users. |

**14. Exclusions:**

* No support for real-time collaborative editing in the current phase.
* No e-commerce or monetization functionality.
* No native mobile apps; web-based only.

**15. Considerations:**

* Platform must accommodate future internationalization (multi-language).
* Consider browser compatibility (Chrome, Safari, Edge, Firefox).
* Keep server-side rendering for PDF generation to ensure consistency and security.

**16. Assumptions:**

* Users have internet access and basic browser familiarity.
* Editors are trained or familiar with CMS tools.
* All report content is provided or approved by content teams in advance.