

SOFTWARE REQUIREMENT SPECIFICATION (SRS)

Internal Publishing Management System

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1. Introduction

This document defines the functional and non-functional requirements for the Internal Publishing Management System designed to manage book catalog, author permissions, royalty calculation, marketplace distribution, and financial reporting.

2. System Overview

- Centralized management of books and authors
- Permission and contract tracking per book
- Marketplace distribution tracking
- Automated royalty calculation
- Document generation (Contract, Invoice, Royalty Report)
- Integration with Google Drive and Google Sheets (Phase 1)

3. Functional Requirements

Master Data Management

- CRUD Books (title, ISBN, description, price, cover upload)
- CRUD Authors (contact, bank info, tax ID)
- Import books via CSV
- Google Drive file storage for covers and contracts
- Google Sheets as initial database layer

Permission & Legal Management

- Permission per book (Approved, Pending, Rejected, Expired)
- Upload contract documents
- Royalty percentage configuration per book
- Contract validity tracking and reminders
- Audit trail for approval process

Marketplace Distribution

- Assign books to marketplace (Shopee, Tokopedia, Lazada, etc.)
- Store marketplace product link
- Track posting status (Draft, Posted, Removed)
- Filter approved books ready for distribution

Royalty & Financial

- Import sales data (CSV/manual input)
- Automatic royalty calculation
- Generate royalty report per period
- Invoice generation for royalty payment
- Payment status tracking

User & Access Management

- Role-based access control (Admin, Legal, Marketing, Finance)
- User activity logging
- Permission-based menu visibility

4. Non-Functional Requirements

- System must be web-based and responsive
- Secure authentication and role-based authorization
- Daily automated backup
- Scalable database architecture (migration from Google Sheets to PostgreSQL)
- Audit log must record all critical actions
- File storage integration with Google Drive API

5. System Architecture

- Phase 1: Web Form + Google Drive + Google Sheets
- Phase 2: Migration to PostgreSQL database
- Backend Framework: Laravel
- Frontend: Livewire or Inertia
- Automation: n8n for reminders and notifications
- Hosting: VPS with SSL

6. Reporting & Analytics

- Dashboard overview (Books, Authors, Approved, Pending)
- Royalty summary by author
- Sales performance by marketplace
- Export PDF and Excel reports

7. Security & Compliance

- HTTPS secure communication
- Encrypted authentication
- Role-based access control
- Legal document archival
- Backup and recovery plan

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