Queen Aurora Lightbringer Series Manager - Automated Design Plan

App Purpose

An **automated book production system** for the Queen Aurora Lightbringer children's book series. The app leverages AI to automate the entire workflow from concept to print-ready PDF, requiring only creative input and final approval from the author.

Automation Philosophy

You provide: Story concept, milestone topic, character decisions, final approval

App automates: Story generation, image prompt creation, image generation, PDF assembly, formatting

Target Users

- Book series authors who want to rapidly produce children's books
- Content creators who need automated illustration workflows
- Self-publishers preparing books for Amazon KDP

Screen List

1. Home/Dashboard with AI Assistant

The main screen features a conversational AI assistant chat interface at the top, with your book library below. The AI assistant greets you and offers suggestions like "Ready to create a new book?" or "Would you like to review your drafts?" You can type or speak naturally to the assistant to create books, get suggestions, or manage your series.

2. AI Chat Interface

A full-screen chat mode where you can have detailed conversations with the AI assistant about your book ideas. The assistant understands the Queen Aurora series formula and can guide you through creating new books, refining existing content, or brainstorming marketing strategies. It remembers context across conversations.

3. Create New Book (AI-Guided)

Instead of forms, you simply tell the AI assistant what book you want to create. For example: "Create a book about Aurora learning to share her toys" or "Make Volume 6 about starting school." The AI asks clarifying questions if needed, then generates the complete book.

4. Books Library

Grid view of all books in the series. Each card shows cover preview, title, volume number, generation status (draft, images generating, PDF ready), and quick actions (view, regenerate, export).

5. Book Detail & Preview

Full preview of the generated book with all pages, text, and images. User can approve, request regeneration of specific pages, or edit text before finalizing.

6. Batch Image Generation

Real-time progress view showing AI image generation status for all 12 pages. Displays thumbnails as they complete, with options to regenerate individual images.

7. PDF Export & Publishing

One-tap export to print-ready PDF with Amazon KDP specifications. Includes automated formatting, text overlay, and bleed settings. Direct share to email or cloud storage.

8. Character Library

Reference guide for series characters with visual descriptions and personality traits. Used by AI to maintain consistency across books.

9. Marketing Automation

Generates marketing copy, social media posts, and product descriptions based on book content. One-tap copy for various platforms.

Primary Content and Functionality

AI Assistant Capabilities

The AI assistant is the primary interface for all app functions. It can understand natural language requests and guide you through complex workflows. Example interactions:

- **User**: "I want to create a book about Aurora dealing with bedtime fears"

- **AI**: "Great idea! That would fit well as Volume 7. Should Aurora use her imagination to turn the fears into friendly dragons, or would you prefer a different approach?"

- **User**: "Generate all the images for Volume 3"

- **AI**: "Starting batch image generation for 'The Dragon's Lair' (12 pages). This will take about 8 minutes. I'll notify you when complete."

- **User**: "The text on page 5 is too long"

- **AI**: "I'll shorten page 5 while keeping the key message. Here's the revised version: [shows new text]. Would you like me to apply this change?"

The assistant maintains context about your series, remembers previous conversations, and proactively offers suggestions based on your workflow patterns.

Automated Book Creation Workflow

The core feature is a fully automated pipeline that takes minimal input and produces a complete book. The user provides a milestone topic (like "potty training" or "new sibling"), and the app generates story text, image prompts, images, and a print-ready PDF.

AI Story Generation

Using the Gemini API, the app generates complete story text for all 12 pages based on the established Queen Aurora formula. The AI understands the series' tone, character voices, and reframing technique.

Automated Image Prompt Creation

The app generates detailed, copy-paste ready image prompts for each page, maintaining visual consistency with the established character designs and art style.

Batch Image Generation

Leveraging the Gemini API's image generation capabilities, the app generates all 12 illustrations in one batch operation. Users can monitor progress and regenerate individual images if needed.

PDF Assembly Engine

Automated PDF generation with proper Amazon KDP formatting, including bleed margins, text overlay positioning, and font rendering. Exports publication-ready files.

Character Consistency System

A database of character descriptions that the AI references during generation to ensure Aurora, Azrael, and other characters look and act consistently across all books.

Marketing Content Generator

Automatically creates marketing copy, social media posts, and product descriptions based on each book's content and themes.

Key User Flows

Flow 1: Create Complete Book (Fully Automated)

1. User taps "Create New Book" on home screen
2. Enters milestone topic (e.g., "potty training")
3. Optionally adjusts story parameters (tone, length, specific elements)
4. Taps "Generate Book"
5. App generates all story text (2-3 minutes)
6. App generates all image prompts automatically
7. App generates all 12 images via Gemini API (5-10 minutes)
8. User reviews complete book in preview
9. User taps "Export PDF"
10. Print-ready PDF saved to device

Flow 2: Regenerate Specific Content

1. User opens book in preview mode
2. Identifies page needing improvement
3. Taps "Regenerate" on that page
4. Chooses: regenerate text, regenerate image, or both
5. AI regenerates selected content
6. User approves or regenerates again

Flow 3: Export for Publishing

1. User opens completed book
2. Taps "Export for Publishing"
3. Selects format (PDF for print, EPUB for digital)

4. App assembles final file with proper formatting

5. User shares via email to self or uploads to cloud

6. File ready for Amazon KDP upload

Flow 4: Batch Process Multiple Books

1. User creates multiple book concepts in queue

2. Taps "Generate All"

3. App processes each book sequentially

4. User receives notification when batch complete

5. Reviews all books and exports

Color Choices

Primary Palette

- **Primary/Accent**: Royal Purple (#7C3AED) - represents royalty and Aurora's crown

- **Secondary**: Dragon Red (#EF4444) - represents the dragon imagination theme

- **Success**: Emerald Green (#10B981) - for completed generation tasks

- **Processing**: Amber (#F59E0B) - for active AI generation

- **Background**: Soft Cream (#FFFBEB) in light mode, Dark Charcoal (#1F2937) in dark mode

- **Surface**: Light Lavender (#F3E8FF) in light mode, Deep Purple (#4C1D95) in dark mode

Visual Theme

The interface should feel like a professional production tool with whimsical touches. Use progress indicators prominently, clear status badges, and visual feedback for AI generation processes.

Design Principles

1. **Automation-First**: Minimize manual input, maximize automated output

2. **Transparency**: Show AI generation progress and allow intervention

3. **Speed**: Optimize for rapid book production

4. **Quality Control**: Easy review and regeneration of content

5. **Professional Output**: Export publication-ready files

Mobile-Specific Considerations

- Portrait orientation optimized for content review
- Large preview images for quality checking
- Progress notifications for long-running AI tasks
- Offline access to completed books
- Background processing for image generation
- One-tap actions for common workflows

Technical Automation Stack

- **AI Text Generation**: Gemini API for story text
- **AI Image Generation**: Gemini API for illustrations
- **PDF Assembly**: React Native PDF library with custom formatting
- **Local Storage**: AsyncStorage for book data and settings
- **Background Tasks**: Expo background fetch for long-running generations