Project Scope Document: RankRocket Google Site Builder

# 1. Project Objective

To create a scalable, AI-powered system that reads a client's XML sitemap and replicates their website's structure and content into automatically generated Google Sites. The solution will bypass the limitations of Google's official APIs using a drive-based site duplication approach, combined with AI-generated Documents, slides, and sheets to simulate and embed content within each Google Site.

# 2. Key Limitations of Google Sites API

- ❌ Cannot programmatically create a new Google Site from scratch.

- ❌ Cannot programmatically add or remove pages from a site.

- ❌ Cannot programmatically edit site navigation or layout.

- ✅ Can duplicate an existing Google Site using Google Drive API.

- ✅ Can embed Google Docs, Slides, and Sheets into a Site.

- ✅ Can create Docs/Slides/Sheets dynamically via Google APIs.

# 3. Strategic Workaround Plan

- Maintain a master Google Site template.

- Use Google Drive API to duplicate the template for each site instance.

- Automatically generate AI content (text + image) based on sitemap structure.

- For each page in the sitemap:

- Generate a Google Doc to represent that page's content.

- Optionally generate a hidden sub-page Doc (for supporting content, LSI, etc).

- Embed these documents within the duplicated site.

- Maintain naming, folder structure, and share links per site.

# 4. Phase 1 Development Plan

1. Parse XML Sitemap and extract URL structure.

2. Extract page slugs and titles; prepare structure map.

3. Authenticate via OAuth2 and validate the token setup.

4. Clone-based Google Site template via Drive API.

5. Create Google Docs per page with AI-generated content.

6. Generate DALL·E images (via API) per page topic and insert them into Docs.

7. Organize Docs and assets into Drive folders per site.

8. Embed Docs manually or via reusable embed framework into the cloned site.

9. Log and store each created site ID and public URL.

# 5. Optional Enhancements

- Admin UI to manage template switching, status monitoring, and batch job control.

- Google Ads integration after API token is fully approved.

- SEO toolkit: LSI keyword injection, geo-content generation, structured data markup.

# 6. Project Benefits

- Mass generation of branded Google Sites from real website blueprints.

- Fully automated, scalable, and cloud-based.

- Human-quality content generation powered by GPT & DALL·E.

- No third-party software dependency. Skippy-powered all the way.