

# Blackletter Systems – Full Build Plan (Unified)

**Tagline:** Old rules. New game.

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## 1) Overview

Blackletter Systems blends traditional legal expertise with cutting-edge AI automation to deliver end-to-end workflows that save time, reduce cost, and give clients a decisive edge.

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## 2) Stage 1 – Getting Set Up (Beginner-Friendly)

Before launching services, lay down the foundations:

- **Business Email & Domain:** Domain + pro email (Zoho Mail free tier or Google Workspace)
- **Website:** No-code site (Google Sites, Carrd, Webflow) with offers, demos, contact forms
- **CRM:** HubSpot Free CRM or Zoho CRM for leads, deals, sequences
- **File Storage:** Google Drive (15GB free) or OneDrive; create folders per client/matter
- **AI & Automation Tools:** OCR (Tesseract/Google Vision), LLMs (OpenAI/Anthropic), e-sign (DocuSign API), vector DB (Weaviate/Pinecone free tiers)
- **Payments:** Stripe or PayPal (no monthly fee; pay per transaction)

**Time to MVP:** 3–5 weeks \ **Startup Cost:** £0–£1,500 \ **Ongoing Cost:** £0–£400/month

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## 3) Core Services & Micro-SaaS (with Code Stubs)

### 3.1 AI Contract Review Micro-SaaS (White-Label + Niche)

**Problem:** SMEs waste hours reviewing NDAs, leases, and standard contracts. \ **Solution:** API-based review tailored to a niche (e.g., AI Lease Checker for Property Lawyers).

**Backend:** FastAPI with OCR → clause detection → LLM risk scoring → redlines. \ **Frontend:** Next.js upload UI.

**Agent TODOs:**

- Implement OCR/text extraction ( `pypdf` , `pytesseract` )
- Clause heuristics (regex for termination, repair, rent review, assignment, insurance)
- Risk scoring against YAML playbook
- Generate `python-docx` redlines
- Export `review.json` , `summary.md` , `redlined.docx` , `client_pack.zip`

### 3.2 AI-Enhanced Compliance Checklist Service

**Problem:** Legal teams struggle to track scattered regulatory updates. \ **Solution:** Paid newsletter/web app generating sector-specific checklists.

#### Agent TODOs:

- Ingest Google Alerts/RSS (ICO, FCA, EU Commission, gov.uk) with APScheduler
- Deduplicate, tag (jurisdiction, sector)
- Summarise to actions (P1-P3)
- Render weekly PDF (WeasyPrint) + dashboard
- Email via SendGrid/Resend

### 3.3 AI Discovery & Research Assistant for Case Law

**Problem:** Associates lose days finding relevant precedents. \ **Solution:** Semantic search + synthesis over curated corpus.

#### Agent TODOs:

- Build corpus (BAILII + legislation.gov.uk)
- Chunk 1-2k tokens, embed to Weaviate/Pinecone
- Retrieve-then-answer with paragraph-level citations
- Memo export to `.docx`

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## 4) Global Technical Standards

- **Languages:** Python 3.11 (backend), TypeScript/Next.js 14 (frontend)
- **Infra:** Windows 11 dev; Docker Desktop optional
- **Auth:** Clerk/Auth0 or Supabase magic link
- **Storage:** PostgreSQL (Supabase) or SQLite for MVP; Supabase Storage for files
- **LLMs:** OpenAI + Anthropic fallback
- **Vectors:** Weaviate/Pinecone free tier
- **Security:** `.env` for secrets, GDPR compliance, audit logs

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## 5) Run Locally (Win11)

#### Backend:

```
cd blackletter\backend
python -m venv ..\.venv
. ..\.venv\Scripts\Activate.ps1
pip install -r requirements.txt
uvicorn main:app --reload --port 8000
```

#### Frontend:

```
cd blackletter-frontend
$env:NEXT_PUBLIC_API_URL="http://localhost:8000"
npm run dev
```

Local URLs:

- <http://localhost:8000/docs> (OpenAPI)
  - <http://localhost:3000/upload> (contract demo)
  - <http://localhost:3000/research> (RAG stub UI)
  - <http://localhost:3000/compliance> (checklist stub UI)
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## 6) Monetisation

- SaaS subscriptions (per seat or per firm)
  - Setup/playbooks (one-off fees)
  - Done-for-you consulting and SLAs
  - Licensing workflows to firms
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## 7) Acceptance, Security & Next Steps

### Acceptance Tests:

- Contract: flags key clause types; generates coherent redlines
- Research: answers include  $\geq 2$  primary authorities with paragraph-level cites
- Compliance:  $\geq 5$  actionable tasks produced per update batch with links + dates

### Security:

- File scanning, least-privilege access, encryption at rest, 30-day retention default

### Next Steps:

- Fill in OCR/LLM logic
- Connect vectors
- Automate feeds
- Add audit logs & tests