

DocSpark Project Brief

Date: 2026-02-23

Status: Ready for implementation

Purpose

Build a document conversion website that stands out from generic converters.

Core value:

- Fast conversion and download
- Optional advanced analysis for users who explicitly want it

Differentiator

DocSpark offers an optional **Smart Output Pack**:

- Plain-language summary
- Key field extraction (dates, totals, names)
- Redaction hints
- Quality score

Important:

- Smart Output Pack is **opt-in only**
- Default user path is **convert only**

Privacy Rule (Critical)

- Never run analysis by default
- User must actively choose analysis mode
- User consent is required before Smart Output Pack processing

MVP Scope

- Upload file
- Choose target format

- Convert and download
- Optional analysis mode (with consent)
- Auto-delete temporary files by TTL

API Contract (MVP)

- `POST /api/convert`
- Fields: `file`, `targetFormat`, `preset?`, `analysisMode`, `analysisConsent?`
- `analysisMode`: `convert_only` | `convert_plus_insights`
- `analysisConsent` required when `analysisMode=convert_plus_insights`
- `GET /api/jobs/:id`
- `GET /api/jobs/:id/download`
- `GET /api/jobs/:id/insights` (must return `409` for convert-only jobs)
- `DELETE /api/jobs/:id`

Agent Ownership

- Agent A (Codex): Frontend (`frontend/*`)
- Agent B (Claude Code): Backend (`backend/*`)

Start Order

1. Backend bootstraps `/api/convert` + `/api/jobs/:id`
2. Frontend builds upload flow + polling
3. Backend adds `/insights`
4. Frontend renders output pack when opted in
5. Both complete QA

Source Files

- Product detail: `PRODUCT_ONE_SHOT_SPEC.md`
- Team coordination: `TEAM_SYNC.md`
- Task tracking: `WORK_QUEUE.md`

One-line Pitch

DocSpark is a converter that gives users control: simple conversion by default, and optional insights only when they ask for it.