[1] Document Upload (Web/Mobile)

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[2] Cloud Storage (S3)

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[3] AI Classification Agent

(OCR + Classification + Clustering)

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│ [4] AI Classification Review Panel │

│ │

│ [Schema Definition Mode] │

│ - Upload predefined schema (JSON/YAML) │

│ - OR type categories in plain English │

│ │

│ [Category Review Mode] │

│ - See clusters: e.g., “IRS Forms”, “IDs” │

│ - Rename | Merge | Delete | Add rules │

│ │

│ [Document Feedback Mode] │

│ - Review borderline/low-confidence docs │

│ - Reassign category or apply custom rule │

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[5] Updated Document Labels

+ UI/Backend Config JSON

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│ [6] UI Code Generator (React, etc.) │

│ • Component Generator │

│ • Frontend + Backend integration │

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[7] Output to Microservice App

(via Config Files + APIs + UI)