User Stories & Requirements Document

# Product Vision

Our AI-powered document processing platform revolutionizes how organizations handle unstructured data. By combining traditional parsing methods with advanced LLM capabilities, we provide accurate, fast, and scalable document processing solutions.

# User Stories

## Document Upload and Processing

Story: As a product manager, I want to upload multiple documents (PDF, DOCX, XLSX) so that I can extract insights for roadmap planning.

Acceptance Criteria:

• User can upload multiple files simultaneously

• System supports PDF, DOCX, and XLSX formats

• Processing status is visible in real-time

• Extracted content is structured and searchable

## AI-Enhanced Content Analysis

Story: As a business analyst, I want AI to understand document context so that I can get more accurate feature prioritization.

Acceptance Criteria:

• LLM analyzes document content for semantic meaning

• System identifies key themes and priorities

• AI provides confidence scores for extracted insights

• Fallback processing handles edge cases

## Framework-Based Prioritization

Story: As a product owner, I want to apply different prioritization frameworks (RICE, ICE, MoSCoW) so that I can align with my team's methodology.

Acceptance Criteria:

• User can select from multiple frameworks

• System applies framework-specific scoring

• Results are presented in framework format

• Custom frameworks can be configured

# Technical Specifications

## Architecture Components

|  |  |  |
| --- | --- | --- |
| Component | Technology | Purpose |
| API Layer | Django REST Framework | Request handling and validation |
| Workflow Engine | LangGraph | AI pipeline orchestration |
| Document Processor | Hybrid LLM + Traditional | Content extraction |
| Database | PostgreSQL | Data persistence |
| Cache Layer | Redis | Performance optimization |