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# Legal Department AI - End-to-End Test Suite

## Test Instructions

1. Convert each `*.md` test document to PDF (save with same name, `*.pdf` extension)
2. Place PDFs in this folder
3. Upload each PDF to the Legal Department AI at http://localhost:6101/app/agents/legal-department
4. Record results in the Results section below

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## Test Cases Overview

| # | Test Name | Tests | Expected Specialist | Expected Risk Level |
|---|---|---|---|---|
| 1 | One-Sided NDA | Risk detection, unfair terms | Contract | HIGH |
| 2 | 10-Year Confidentiality | Excessive term detection | Contract | MEDIUM-HIGH |
| 3 | Missing Clauses Contract | Completeness check | Contract | HIGH |
| 4 | Broad Indemnification MSA | Indemnification risk | Contract | HIGH |
| 5 | Privacy Policy Agreement | Specialist routing | Privacy | MEDIUM |
| 6 | Employment Non-Compete | Specialist routing | Employment | MEDIUM |
| 7 | Balanced Standard NDA | Control test (clean doc) | Contract | LOW |
| 8 | IP Assignment Agreement | Specialist routing | IP | MEDIUM |
| 9 | Compliance Terms | Specialist routing | Compliance | MEDIUM |
| 10 | Multi-Issue Contract | Multi-agent coordination | Multiple | HIGH |

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Detailed Test Cases

Test 1: One-Sided NDA (TEST-01-onesided-nda.md)
****Purpose**:** Verify the system detects heavily one-sided terms

****Expected Detection**:**

- [] Identifies as NDA
- [] Flags non-mutual nature (only Recipient has obligations)
- [] Flags unlimited liability for Recipient
- [] Flags no carve-outs for independently developed info
- [] Flags perpetual confidentiality obligation
- [] Risk Level: HIGH

****Pass Criteria**:** At least 3 of 5 issues detected

Test 2: 10-Year Confidentiality (TEST-02-long-term-nda.md)
****Purpose**:** Verify detection of excessive contractual terms

****Expected Detection**:**

- [] Identifies as NDA
- [] Flags 10-year confidentiality period as excessive
- [] Flags 5-year survival period after termination
- [] Recommends shorter standard terms
- [] Risk Level: MEDIUM-HIGH

****Pass Criteria**:** Excessive term flagged

Test 3: Missing Clauses Contract (TEST-03-incomplete-contract.md)
****Purpose**:** Verify detection of missing essential clauses

****Expected Detection**:**

- [] Identifies missing Governing Law clause
- [] Identifies missing Termination clause
- [] Identifies missing Dispute Resolution clause
- [] Identifies vague/missing Liability limitation
- [] Risk Level: HIGH

****Pass Criteria**:** At least 2 missing clauses identified

Test 4: Broad Indemnification MSA (TEST-04-broad-indemnity-msa.md)
****Purpose**:** Verify detection of problematic indemnification terms

****Expected Detection**:**

- [] Identifies as MSA (Master Service Agreement)
- [] Flags unlimited indemnification scope
- [] Flags indemnification for third-party IP claims
- [] Flags lack of indemnification cap
- [] Recommends mutual indemnification
- [] Risk Level: HIGH

****Pass Criteria**:** Indemnification issues flagged

Test 5: Privacy Policy Agreement (TEST-05-privacy-agreement.md)
****Purpose**:** Verify routing to Privacy specialist

****Expected Detection**:**

- [] Routes to Privacy specialist (not Contract)
- [] Identifies data processing terms
- [] Flags broad data sharing permissions
- [] Identifies GDPR/CCPA compliance gaps
- [] Risk Level: MEDIUM

****Pass Criteria**:** Routed to Privacy specialist

Test 6: Employment Non-Compete (TEST-06-employment-noncompete.md)

****Purpose**:** Verify routing to Employment specialist

****Expected Detection**:**

- [] Routes to Employment specialist
- [] Flags geographic scope issues
- [] Flags duration concerns (2 years)
- [] Identifies enforceability concerns
- [] Risk Level: MEDIUM

****Pass Criteria**:** Routed to Employment specialist

Test 7: Balanced Standard NDA (TEST-07-balanced-nda.md)

****Purpose**:** Control test – verify clean contracts are recognized

****Expected Detection**:**

- [] Identifies as NDA
- [] Recognizes mutual nature
- [] Finds standard 2-year term acceptable
- [] Identifies proper carve-outs present
- [] Risk Level: LOW

****Pass Criteria**:** Risk level LOW, no critical flags

Test 8: IP Assignment Agreement (TEST-08-ip-assignment.md)

****Purpose**:** Verify routing to IP specialist

****Expected Detection**:**

- [] Routes to IP specialist
- [] Identifies IP assignment scope
- [] Flags broad "all inventions" language
- [] Flags lack of prior inventions carve-out
- [] Risk Level: MEDIUM

****Pass Criteria**:** Routed to IP specialist

Test 9: Compliance Terms Agreement (TEST-09-compliance-terms.md)
Purpose: Verify routing to Compliance specialist

Expected Detection:

- [] Routes to Compliance specialist
- [] Identifies regulatory requirements
- [] Flags audit provisions
- [] Identifies certification requirements
- [] Risk Level: MEDIUM

Pass Criteria: Routed to Compliance specialist

Test 10: Multi-Issue Contract (TEST-10-multi-issue.md)

Purpose: Verify multi-agent coordination when multiple specialists needed

Expected Detection:

- [] Triggers multi-agent mode
- [] Engages Contract specialist for NDA terms
- [] Engages Privacy specialist for data handling
- [] Engages IP specialist for IP provisions
- [] Synthesizes findings from all specialists
- [] Risk Level: HIGH

Pass Criteria: Multiple specialists engaged, synthesis provided

Results Tracker

Test Run: [DATE]

| Test Notes | Specialist Routed | Risk Level | Issues Found | Pass/Fail | |
|------------|-------------------|------------|--------------|-----------|--|
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| 10 | | | | | | | |

****Summary**:**

- Tests Passed: ___ / 10
- Critical Issues Found:
- Observations: