**3️⃣ Visualização de Processamento OCR**

**Ver:** [**Visualização de Processamento OCR | Claude | Claude**](https://claude.ai/public/artifacts/a5919931-3a5d-4643-a652-ae99436ec5be)

**Codigo:**

<!DOCTYPE html>

<html lang="pt-AO">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Processamento OCR - Extração de Texto</title>

<style>

\* {

margin: 0;

padding: 0;

box-sizing: border-box;

}

body {

font-family: 'Segoe UI', system-ui, -apple-system, sans-serif;

background: linear-gradient(135deg, #667eea 0%, #764ba2 100%);

min-height: 100vh;

padding: 20px;

}

.ocr-container {

max-width: 1400px;

margin: 0 auto;

}

.header {

background: rgba(255, 255, 255, 0.98);

border-radius: 20px;

padding: 30px;

margin-bottom: 30px;

box-shadow: 0 20px 40px rgba(0, 0, 0, 0.1);

}

.header h1 {

color: #2d3748;

font-size: 28px;

display: flex;

align-items: center;

gap: 15px;

margin-bottom: 10px;

}

.status-bar {

display: flex;

gap: 30px;

padding-top: 15px;

border-top: 1px solid #e2e8f0;

margin-top: 15px;

}

.status-item {

display: flex;

align-items: center;

gap: 10px;

}

.status-indicator {

width: 12px;

height: 12px;

border-radius: 50%;

animation: pulse 2s infinite;

}

.status-indicator.processing {

background: #f59e0b;

}

.status-indicator.complete {

background: #10b981;

animation: none;

}

@keyframes pulse {

0%, 100% { opacity: 1; transform: scale(1); }

50% { opacity: 0.5; transform: scale(1.2); }

}

.main-content {

display: grid;

grid-template-columns: 1fr 1fr;

gap: 30px;

margin-bottom: 30px;

}

.panel {

background: rgba(255, 255, 255, 0.98);

border-radius: 20px;

padding: 30px;

box-shadow: 0 20px 40px rgba(0, 0, 0, 0.1);

}

.panel-header {

display: flex;

justify-content: space-between;

align-items: center;

margin-bottom: 20px;

padding-bottom: 15px;

border-bottom: 2px solid #e2e8f0;

}

.panel-title {

font-size: 20px;

font-weight: 600;

color: #2d3748;

display: flex;

align-items: center;

gap: 10px;

}

.panel-actions {

display: flex;

gap: 10px;

}

.action-btn {

background: #f7fafc;

border: 1px solid #e2e8f0;

border-radius: 10px;

padding: 8px 12px;

cursor: pointer;

transition: all 0.3s;

font-size: 14px;

}

.action-btn:hover {

background: #edf2f7;

transform: translateY(-1px);

}

.document-viewer {

position: relative;

background: #f8fafc;

border-radius: 15px;

padding: 20px;

height: 500px;

overflow: hidden;

}

.document-image {

position: relative;

width: 100%;

height: 100%;

background: url('data:image/svg+xml;base64,') center center no-repeat;

background-size: contain;

}

.ocr-overlay {

position: absolute;

top: 0;

left: 0;

right: 0;

bottom: 0;

pointer-events: none;

}

.ocr-region {

position: absolute;

border: 2px solid transparent;

transition: all 0.3s;

cursor: pointer;

pointer-events: all;

}

.ocr-region:hover {

background: rgba(102, 126, 234, 0.1);

border-color: #667eea;

}

.ocr-region.detected {

animation: detectPulse 1s ease-out;

}

@keyframes detectPulse {

0% {

background: rgba(102, 126, 234, 0.4);

transform: scale(0.95);

}

100% {

background: rgba(102, 126, 234, 0.1);

transform: scale(1);

}

}

.ocr-region.number {

border-color: #10b981;

background: rgba(16, 185, 129, 0.1);

}

.ocr-region.date {

border-color: #f59e0b;

background: rgba(245, 158, 11, 0.1);

}

.ocr-region.entity {

border-color: #8b5cf6;

background: rgba(139, 92, 246, 0.1);

}

.extracted-text {

background: #f8fafc;

border-radius: 15px;

padding: 20px;

height: 500px;

overflow-y: auto;

font-family: 'Courier New', monospace;

font-size: 14px;

line-height: 1.6;

white-space: pre-wrap;

}

.text-highlight {

padding: 2px 4px;

border-radius: 4px;

font-weight: 600;

}

.highlight-number {

background: #d1fae5;

color: #065f46;

}

.highlight-date {

background: #fed7aa;

color: #7c2d12;

}

.highlight-entity {

background: #e9d5ff;

color: #581c87;

}

.extraction-details {

display: grid;

grid-template-columns: repeat(auto-fit, minmax(250px, 1fr));

gap: 20px;

}

.detail-card {

background: rgba(255, 255, 255, 0.98);

border-radius: 20px;

padding: 20px;

box-shadow: 0 10px 30px rgba(0, 0, 0, 0.05);

}

.detail-header {

display: flex;

align-items: center;

gap: 10px;

margin-bottom: 15px;

}

.detail-icon {

width: 40px;

height: 40px;

border-radius: 10px;

display: flex;

align-items: center;

justify-content: center;

font-size: 20px;

}

.detail-title {

font-size: 14px;

color: #718096;

font-weight: 600;

}

.detail-value {

font-size: 24px;

font-weight: bold;

color: #2d3748;

margin-bottom: 5px;

}

.detail-list {

margin-top: 10px;

}

.detail-item {

padding: 8px 12px;

background: #f7fafc;

border-radius: 8px;

margin-bottom: 8px;

display: flex;

justify-content: space-between;

align-items: center;

}

.confidence-badge {

background: linear-gradient(135deg, #10b981, #059669);

color: white;

padding: 2px 8px;

border-radius: 12px;

font-size: 11px;

font-weight: 600;

}

.progress-stages {

display: flex;

justify-content: space-between;

background: rgba(255, 255, 255, 0.98);

border-radius: 20px;

padding: 25px;

box-shadow: 0 10px 30px rgba(0, 0, 0, 0.05);

margin-bottom: 30px;

}

.stage {

flex: 1;

text-align: center;

position: relative;

}

.stage::after {

content: '';

position: absolute;

top: 20px;

right: -50%;

width: 100%;

height: 2px;

background: #e2e8f0;

z-index: -1;

}

.stage:last-child::after {

display: none;

}

.stage-icon {

width: 40px;

height: 40px;

margin: 0 auto 10px;

border-radius: 50%;

display: flex;

align-items: center;

justify-content: center;

background: #e2e8f0;

color: #a0aec0;

font-size: 18px;

position: relative;

z-index: 1;

}

.stage.complete .stage-icon {

background: linear-gradient(135deg, #10b981, #059669);

color: white;

}

.stage.active .stage-icon {

background: linear-gradient(135deg, #f59e0b, #d97706);

color: white;

animation: pulse 2s infinite;

}

.stage-name {

font-size: 12px;

color: #718096;

}

.ocr-tooltip {

position: absolute;

background: rgba(45, 55, 72, 0.95);

color: white;

padding: 10px 15px;

border-radius: 10px;

font-size: 12px;

pointer-events: none;

opacity: 0;

transition: opacity 0.3s;

z-index: 1000;

}

.ocr-tooltip.show {

opacity: 1;

}

.action-footer {

display: flex;

gap: 15px;

background: rgba(255, 255, 255, 0.98);

border-radius: 20px;

padding: 20px;

box-shadow: 0 10px 30px rgba(0, 0, 0, 0.05);

}

.btn {

flex: 1;

padding: 15px 30px;

border: none;

border-radius: 12px;

font-size: 16px;

font-weight: 600;

cursor: pointer;

transition: all 0.3s;

display: flex;

align-items: center;

justify-content: center;

gap: 10px;

}

.btn-primary {

background: linear-gradient(135deg, #667eea, #764ba2);

color: white;

}

.btn-primary:hover {

transform: translateY(-2px);

box-shadow: 0 10px 30px rgba(102, 126, 234, 0.3);

}

</style>

</head>

<body>

<div class="ocr-container">

*<!-- Header -->*

<div class="header">

<h1>

<span>🔍</span>

Processamento OCR - Agente 1

</h1>

<div class="status-bar">

<div class="status-item">

<span class="status-indicator processing"></span>

<span>Extraindo texto...</span>

</div>

<div class="status-item">

<span>📄</span>

<span>Documento: Factura\_2025\_142.jpg</span>

</div>

<div class="status-item">

<span>⏱️</span>

<span>Tempo decorrido: 1.2s</span>

</div>

</div>

</div>

*<!-- Progress Stages -->*

<div class="progress-stages">

<div class="stage complete">

<div class="stage-icon">✓</div>

<div class="stage-name">Upload</div>

</div>

<div class="stage complete">

<div class="stage-icon">✓</div>

<div class="stage-name">Pré-processamento</div>

</div>

<div class="stage active">

<div class="stage-icon">🔍</div>

<div class="stage-name">OCR</div>

</div>

<div class="stage">

<div class="stage-icon">📝</div>

<div class="stage-name">Extração</div>

</div>

<div class="stage">

<div class="stage-icon">✅</div>

<div class="stage-name">Validação</div>

</div>

</div>

*<!-- Main Content -->*

<div class="main-content">

*<!-- Document Viewer -->*

<div class="panel">

<div class="panel-header">

<div class="panel-title">

<span>📄</span>

Documento Original

</div>

<div class="panel-actions">

<button class="action-btn">🔍 Zoom</button>

<button class="action-btn">🔄 Rodar</button>

<button class="action-btn">✏️ Ajustar</button>

</div>

</div>

<div class="document-viewer">

<div class="document-image">

<div class="ocr-overlay">

*<!-- Regiões detectadas -->*

<div class="ocr-region detected" style="top: 35px; left: 45px; width: 200px; height: 30px;"></div>

<div class="ocr-region date detected" style="top: 85px; left: 45px; width: 120px; height: 25px;"></div>

<div class="ocr-region entity detected" style="top: 115px; left: 45px; width: 250px; height: 25px;"></div>

<div class="ocr-region number detected" style="top: 145px; left: 45px; width: 100px; height: 25px;"></div>

<div class="ocr-region number detected" style="top: 215px; left: 245px; width: 100px; height: 25px;"></div>

<div class="ocr-region number detected" style="top: 245px; left: 245px; width: 100px; height: 25px;"></div>

<div class="ocr-region number detected" style="top: 315px; left: 195px; width: 150px; height: 30px;"></div>

</div>

</div>

<div class="ocr-tooltip">

Confiança: 98.5%

</div>

</div>

</div>

*<!-- Extracted Text -->*

<div class="panel">

<div class="panel-header">

<div class="panel-title">

<span>📝</span>

Texto Extraído

</div>

<div class="panel-actions">

<button class="action-btn">📋 Copiar</button>

<button class="action-btn">✏️ Editar</button>

</div>

</div>

<div class="extracted-text">FACTURA #2025-142

<span class="text-highlight highlight-date">Data: 15/10/2025</span>

Cliente: <span class="text-highlight highlight-entity">Empresa Agrícola Lda</span>

NIF: <span class="text-highlight highlight-entity">500234567</span>

================================

DESCRIÇÃO VALOR

================================

Milho - 500 sacos <span class="text-highlight highlight-number">1.050.000</span>

Feijão - 300 sacos <span class="text-highlight highlight-number">1.050.000</span>

================================

TOTAL: <span class="text-highlight highlight-number">Kz 2.100.000</span>

Forma de Pagamento: Transferência

Banco: BFA

IBAN: AO06.0040.0000.0012.3456.7890

Assinatura: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Carimbo da Empresa</div>

</div>

</div>

*<!-- Extraction Details -->*

<div class="extraction-details">

<div class="detail-card">

<div class="detail-header">

<div class="detail-icon" style="background: linear-gradient(135deg, #10b981, #059669); color: white;">

💰

</div>

<div>

<div class="detail-title">Valores Detectados</div>

<div class="detail-value">Kz 2.100.000</div>

</div>

</div>

<div class="detail-list">

<div class="detail-item">

<span>1.050.000</span>

<span class="confidence-badge">99.2%</span>

</div>

<div class="detail-item">

<span>1.050.000</span>

<span class="confidence-badge">98.8%</span>

</div>

<div class="detail-item">

<span>2.100.000</span>

<span class="confidence-badge">99.5%</span>

</div>

</div>

</div>

<div class="detail-card">

<div class="detail-header">

<div class="detail-icon" style="background: linear-gradient(135deg, #f59e0b, #d97706); color: white;">

📅

</div>

<div>

<div class="detail-title">Datas Identificadas</div>

<div class="detail-value">15/10/2025</div>

</div>

</div>

<div class="detail-list">

<div class="detail-item">

<span>Data Emissão</span>

<span class="confidence-badge">97.5%</span>

</div>

</div>

</div>

<div class="detail-card">

<div class="detail-header">

<div class="detail-icon" style="background: linear-gradient(135deg, #8b5cf6, #7c3aed); color: white;">

🏢

</div>

<div>

<div class="detail-title">Entidades</div>

<div class="detail-value">2 Detectadas</div>

</div>

</div>

<div class="detail-list">

<div class="detail-item">

<span>Empresa Agrícola Lda</span>

<span class="confidence-badge">96.3%</span>

</div>

<div class="detail-item">

<span>NIF: 500234567</span>

<span class="confidence-badge">99.1%</span>

</div>

</div>

</div>

<div class="detail-card">

<div class="detail-header">

<div class="detail-icon" style="background: linear-gradient(135deg, #ec4899, #db2777); color: white;">

📊

</div>

<div>

<div class="detail-title">Tipo Documento</div>

<div class="detail-value">Factura</div>

</div>

</div>

<div class="detail-list">

<div class="detail-item">

<span>Número: 2025-142</span>

<span class="confidence-badge">98.7%</span>

</div>

<div class="detail-item">

<span>Categoria: Venda</span>

<span class="confidence-badge">95.2%</span>

</div>

</div>

</div>

</div>

*<!-- Action Footer -->*

<div class="action-footer">

<button class="btn btn-primary">

<span>✅</span>

Validar e Continuar

</button>

<button class="btn" style="background: white; color: #4a5568; border: 2px solid #e2e8f0;">

<span>✏️</span>

Corrigir Extração

</button>

<button class="btn" style="background: #fee2e2; color: #991b1b;">

<span>🔄</span>

Reprocessar

</button>

</div>

</div>

<script>

*// Animar detecção de regiões*

const regions = document.querySelectorAll('.ocr-region');

regions.forEach((region, index) => {

setTimeout(() => {

region.style.opacity = '0';

setTimeout(() => {

region.style.opacity = '1';

region.classList.add('detected');

}, 100);

}, index \* 200);

});

*// Tooltip on hover*

const tooltip = document.querySelector('.ocr-tooltip');

regions.forEach(region => {

region.addEventListener('mouseenter', (e) => {

tooltip.classList.add('show');

tooltip.style.left = e.target.offsetLeft + e.target.offsetWidth + 10 + 'px';

tooltip.style.top = e.target.offsetTop + 'px';

});

region.addEventListener('mouseleave', () => {

tooltip.classList.remove('show');

});

});

*// Simular progresso dos estágios*

setTimeout(() => {

document.querySelectorAll('.stage')[2].classList.remove('active');

document.querySelectorAll('.stage')[2].classList.add('complete');

document.querySelectorAll('.stage')[2].querySelector('.stage-icon').innerHTML = '✓';

document.querySelectorAll('.stage')[3].classList.add('active');

}, 2000);

setTimeout(() => {

document.querySelectorAll('.stage')[3].classList.remove('active');

document.querySelectorAll('.stage')[3].classList.add('complete');

document.querySelectorAll('.stage')[3].querySelector('.stage-icon').innerHTML = '✓';

document.querySelectorAll('.stage')[4].classList.add('active');

}, 3500);

setTimeout(() => {

document.querySelectorAll('.stage')[4].classList.remove('active');

document.querySelectorAll('.stage')[4].classList.add('complete');

document.querySelectorAll('.stage')[4].querySelector('.stage-icon').innerHTML = '✓';

document.querySelector('.status-indicator').classList.remove('processing');

document.querySelector('.status-indicator').classList.add('complete');

document.querySelector('.status-indicator').nextElementSibling.textContent = 'Extração concluída!';

}, 5000);

</script>

</body>

</html>