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kind: ruleSet
metadata:
  name: extraction/v1/documents/invoice-validation
spec:
  nodes:
    - if: 'IsEmpty(it["DocumentType.Value"])'
      then:
        name: DocumentType
        message: Required field
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: 'IsEmpty(it["InvoiceId.Value"])'
      then:
        name: InvoiceId
        message: Required field
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: 'IsEmpty(it["InvoiceDate.Value"])'
      then:
        name: InvoiceDate
        message: Required field
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: 'IsEmpty(it["InvoiceTotal.Value"])'
      then:
        name: InvoiceTotal
        message: Required field
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: '!IsEmpty(it["DocumentType.Value"]) && !Match(it["DocumentType.Value"], "^[a-zA-Z0-9]*$")'
      then:
        name: DocumentType
        message: Only alphanumeric characters allowed
        value: Value
        severity: Severity
        source: Source
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source: Source
tags: Tags

- if: '!IsNullOrEmpty(it["InvoiceId.Value"]) && !.IsMatch(it["InvoiceId.Value"], "^[a-zA-Z0-9 ]*$")'
then:
  name: InvoiceId
  message: Only alphanumeric characters allowed
  value: Value
  severity: Severity
  source: Source
  tags: Tags

- if: |
  !string.IsNullOrWhiteSpace(it["TotalTax.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["miscCharges.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["pickupAllowance.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["samplesCharges.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["otherCharges.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["InvoiceTotal.Value"]?.ToString()) &&
  !(it.Where(Key.Contains("InvoiceLineItem.Items[")) && Key.Contains("].Amount.Value")).Sum(decimal.Parse(Value.ToString())) +
  it["otherCharges.Value"] +
  it["samplesCharges.Value"] +
  it["pickupAllowance.Value"] +
  it["miscCharges.Value"] +
  it["TotalTax.Value"]
  <= it["InvoiceTotal.Value"] + 1) &&
  (it.Where(Key.Contains("InvoiceLineItem.Items[")) && Key.Contains("].Amount.Value")).Sum(decimal.Parse(Value.ToString())) +
  it["otherCharges.Value"] +
  it["samplesCharges.Value"] +
  it["pickupAllowance.Value"] +
  it["miscCharges.Value"] +
  it["TotalTax.Value"]
  >= it["InvoiceTotal.Value"] - 1)
then:
  name: InvoiceTotal
  message: Gross Amount mismatch
  severity: Severity
  source: Source
  tags: Tags

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- if: 'IsNullOrEmpty(it["InvoiceId.Value"])'
  then:
    name: InvoiceId
    message: Required field
    severity: Critical
    source: InvoiceID
    tags: InvoiceIDisNull

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kind: ruleSet
metadata:
  name: extraction/v1/documents/lineitem-validation
spec:
  nodes:
    - if: 'string.IsNullOrWhiteSpace(it["Amount.Value"]?.ToString())'
      then:
        name: InvoiceLineItem.Amount
        message: Required
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: 'string.IsNullOrWhiteSpace(it["UnitPrice.Value"]?.ToString())'
      then:
        name: InvoiceLineItem.UnitPrice
        message: Required
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: |
        string.IsNullOrWhiteSpace(it["UnitPrice.Value"]?.ToString()) &&
        string.IsNullOrWhiteSpace(it["Quantity.Value"]?.ToString()) &&
        string.IsNullOrWhiteSpace(it["CatchWeight.Value"]?.ToString())
      then:
        name: InvoiceLineItem.Amount
        message: Amount mismatch
        value: Value
        severity: Severity
        source: Source
        tags: Tags

    - if: |
        !string.IsNullOrWhiteSpace(it["UnitPrice.Value"]?.ToString()) &&
        !string.IsNullOrWhiteSpace(it["Quantity.Value"]?.ToString()) &&
        !string.IsNullOrWhiteSpace(it["CatchWeight.Value"]?.ToString()) &&
        !(decimal.Parse(it["UnitPrice.Value"].ToString()) * decimal.Parse(it["CatchWeight.Value"].ToString()) <= it["Amount.Value"] + 1 && decimal.Parse(it["UnitPrice.Value"].ToString()) * decimal.Parse(it["CatchWeight.Value"].ToString()) >= it["Amount.Value"] - 1)
      then:
        name: InvoiceLineItem.Amount
        message: Amount mismatch
        value: Value
        severity: Severity
        source: Source
        tags: Tags

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- if: |
  !string.IsNullOrWhiteSpace(it["UnitPrice.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["CatchWeight.Value"]?.ToString()) &&
  string.IsNullOrWhiteSpace(it["Quantity.Value"]?.ToString()) && !(decimal.Parse(it["UnitPrice.Value"].ToString()) *
  decimal.Parse(it["CatchWeight.Value"].ToString()) <= it["Amount.Value"] + 1 && decimal.Parse(it["UnitPrice.Value"].ToString()) * decimal.Parse(it["CatchWeight.Value"].ToString()) >= it["Amount.Value"] - 1)
  then:
    name: InvoiceLineItem.Amount
    message: Amount mismatch
    value: Value
    severity: Severity
    source: Source
    tags: Tags

- if: |
  !string.IsNullOrWhiteSpace(it["UnitPrice.Value"]?.ToString()) &&
  !string.IsNullOrWhiteSpace(it["Quantity.Value"]?.ToString()) &&
  string.IsNullOrWhiteSpace(it["CatchWeight.Value"]?.ToString()) &&
  !(decimal.Parse(it["UnitPrice.Value"].ToString()) * decimal.Parse(it["Quantity.Value"].ToString()) <= it["Amount.V
alue"] + 1 && decimal.Parse(it["UnitPrice.Value"].ToString()) * decimal.Parse(it["Quantity.Value"].ToString()) >= it["A
mount.Value"] - 1)
  then:
    name: InvoiceLineItem.Amount
    message: Amount mismatch
    value: Value
    severity: Severity
    source: Source
    tags: Tags

- if: |
  (string.IsNullOrWhiteSpace(it["UnitPrice.Value"]?.ToString()) &&
  string.IsNullOrWhiteSpace(it["Quantity.Value"]?.ToString()) ||
  (string.IsNullOrWhiteSpace(it["CatchWeight.Value"]?.ToString()) && string.IsNullOrWhiteSpace(it["UnitPrice.Value"]
]??.ToString())))
  then:
    name: InvoiceLineItem.Amount
    message: Amount mismatch
    value: Value
    severity: Severity
    source: Source
    tags: Tags

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