

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

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

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

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

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

tags: Tags

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

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

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

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

    - if: |
        !string.IsNullOrEmpty(it["UnitPrice.Value"]?.ToString()) &&
        !string.IsNullOrEmpty(it["Quantity.Value"]?.ToString()) &&
        !string.IsNullOrEmpty(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
```

```

- if: |
    !string.IsNullOrEmpty(it["UnitPrice.Value"]?.ToString()) &&
    !string.IsNullOrEmpty(it["CatchWeight.Value"]?.ToString()) &&
    string.IsNullOrEmpty(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.IsNullOrEmpty(it["UnitPrice.Value"]?.ToString()) &&
    !string.IsNullOrEmpty(it["Quantity.Value"]?.ToString()) &&
    string.IsNullOrEmpty(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["
Amount.Value"] - 1)
    then:
        name: InvoiceLineItem.Amount
        message: Amount mismatch
        value: Value
        severity: Severity
        source: Source
        tags: Tags

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

```