**Comprehensive Features Demo with Nested Fragments**

**Including Fragment 1 (Company Header)**

**This will demonstrate fragment inclusion and nested fragment capabilities:**

{{include "fragment1"}}

**Main Document Content**

**Variable Substitution and Expressions**

**Basic Variables:**

* User: {{user.firstName}} {{user.lastName}}
* Email: {{user.email}}

**Array Access:**

* First item: {{items[0].name}} - {{format("$%.2f", items[0].price)}}

**Expressions:**

* Score doubled: {{score \* 2}}
* Is passing: {{if score >= 60}}Yes{{else}}No{{end}}

**Control Structures**

**Simple If/Else:**

{{if isWeekend}}

Enjoy your weekend! 🎉

{{else}}

It's a work day. Keep going!

{{end}}

**Indexed For Loop:**

{{for idx, day in weekDays}}

{{idx + 1}}. {{day}}

{{end}}

**Including Fragment 2 (Product Catalog with Nested Tables)**

**This demonstrates complex tables, images, and nested fragments:**

{{include "fragment2"}}

**Additional Main Content**

**Logical Operators**

**Access Control Example:**

{{if (isAdmin | isOwner) & isLoggedIn}}

Full access granted

{{else}}

Limited access

{{end}}

**Type Conversion String to Numbers:**

* String "{{stringNumber}}" as integer: {{integer(stringNumber)}}
* String "{{stringPrice}}" as decimal: {{decimal(stringPrice)}}

**Date Formatting**

**Event Date Examples:**

* Full: {{date("Monday, January 2, 2006", eventDate)}}
* Short: {{date("01/02/2006", eventDate)}}
* ISO: {{date("2006-01-02", eventDate)}}
* Time: {{date("15:04:05", eventDate)}}

**Advanced Functions**

**Empty Check:**

{{if empty(optionalField)}}

Optional field is empty

{{else}}

Optional field has value: {{optionalField}}

{{end}}

**Contains:**

{{if contains("banana", fruits)}}

We have bananas!

{{end}}

**Coalesce:**

User title: {{coalesce(userTitle, defaultTitle)}}

**Switch Statement**

**Status Display:**

Status: {{switch(status, "pending", " Pending", "approved", " Approved", "rejected", " Rejected", "Unknown")}}

**String Manipulation**

**Original:** {{description}}  
**Replaced:** {{replace(description, "old", "new")}}   
**Length:** {{length(name)}} characters

**Uppercase:** {{uppercase(name)}}   
**Features:** {{joinAnd(features, ", ", " and ")}}

**Complex Expression Price Calculation:**

* Base Price: {{format("$%.2f", basePrice)}}
* Quantity: {{quantity}}
* Discount: {{discount}}%
* Tax Rate: {{taxRate}}%

**Final Total:** {{format("$%.2f", (basePrice *quantity* (100 - discount) / 100) \* (100 + taxRate) / 100)}}

**Permission Checks**

**Age-based Access:**

{{if (age >= 18 & hasID) | isVIP}}

Access to exclusive area granted

{{else}}

Access denied

{{end}}

**Including Fragment 3 (Legal Footer)**

**This will demonstrate the deepest nesting level:**

{{include "fragment3"}}

**Final Summary**

**Document Statistics:**

Total fragments included: 3 (fragment1, fragment2, fragment3) Nesting depth demonstrated: 3 levels  
Control structures used: if, for, unless, switch  
Functions demonstrated: 20+

Tables: Multiple with various complexities Images: Multiple placeholders with styling notes

**Generated:** {{timestamp()}}