Comprehensive Feature Showcase

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1. Advanced Syntax Features

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Bracket notation access: {{user['firstName']}} {{user['lastName']}}

Array indexing: First item: {{items[0].name}}, Price: {{items[0].price}}

Complex expression: Total with tax: {{(items[0].price + items[1].price) \* 1.15}}

2. Extended Conditionals

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{{if score >= 90}}

Grade: A - Excellent!

{{elsif score >= 80}}

Grade: B - Good job!

{{elseif score >= 70}}

Grade: C - Satisfactory

{{elif score >= 60}}

Grade: D - Needs improvement

{{else}}

Grade: F - Failed

{{end}}

{{unless isWeekend}}

It's a weekday - time to work!

{{else}}

It's the weekend - time to relax!

{{end}}

3. Indexed Loops

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{{for i, day in weekDays}}

Day {{i + 1}}: {{day}}

{{end}}

4. Logical Operators

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Has permission: {{isAdmin | isOwner}}

Can edit: {{isLoggedIn & hasEditRights}}

Is restricted: {{!isPublic}}

5. Type Conversion Functions

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String to integer: {{integer(stringNumber)}}

String to decimal: {{decimal(stringPrice)}}

Number to string: Original: 42, Converted: "{{str(42)}}"

6. Math Functions

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Floor of 3.7: {{floor(3.7)}}

Ceiling of 3.2: {{ceil(3.2)}}

Round 3.5: {{round(3.5)}}

7. Date Functions

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Formatted date: {{date("January 2, 2006", eventDate)}}

Short date: {{date("2006-01-02", eventDate)}}

Time: {{date("15:04:05", eventDate)}}

8. Data Access Functions

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Entire data context:

{{data()}}

Mapped prices: {{map("price", items)}}

9. Utility Functions

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Empty check: {{empty(optionalField)}}

Contains check: {{contains("apple", fruits)}}

Coalesce: {{coalesce(userTitle, defaultTitle, "No Title")}}

Range example:

{{for num in range(1, 5)}}

Number: {{num}}

{{end}}

Switch example: {{switch(status, "active", "✓ Active", "inactive", "✗ Inactive", "pending", "⏳ Pending", "Unknown")}}

10. String Functions

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Replace: {{replace(description, "old", "new")}}

Length of name: {{length(name)}}

Join with "and": {{joinAnd(features, ", ", " and ")}}

11. Number Formatting

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Locale formatting: {{formatWithLocale("fr-FR", "%.2f", 1234.56)}}

German formatting: {{formatWithLocale("de-DE", "%.2f", 1234.56)}}

12. Document Operations

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Page break follows:

{{pageBreak()}}

Raw XML injection: {{xml("<w:br/><w:br/>")}}

13. Table Operations

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|  |  |  |  |
| --- | --- | --- | --- |
| Product | Price | Stock | Actions |
| {{for product in products}} |  |  |  |
| {{product.name}} | {{product.price}} | {{product.stock}} | {{if product.stock == 0}}{{hideRow()}}{{end}}Edit |
| {{end}} |  |  |  |

## Show quarterly data:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Quarter | {{unless hideQ1}}Q1{{else}}{{hideColumn()}}{{end}} | {{unless hideQ2}}Q2{{else}}{{hideColumn(2, "redistribute")}}{{end}} | {{unless hideQ3}}Q3{{else}}{{hideColumn(3, "proportional")}}{{end}} | {{unless hideQ4}}Q4{{else}}{{hideColumn(4, "fixed")}}{{end}} |
| Sales | 100 | 120 | 110 | 150 |

14. Product in 1 Paragraph but 3 lines

{{age }}  
{{hasID }}  
{{isVIP}}  
{{discount}}

15. Link Operations

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Update link: [Click here Bro](https://example.com/){{replaceLink(newWebsiteUrl)}}

Another Hyperling: [Dont Replace This](http://example.com/)

16. Fragment Inclusion

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Header fragment:

{{include "header"}}

Footer fragment:

{{include "footer"}}

Complex Expressions Example

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Advanced calculation: {{((basePrice \* quantity) - discount) \* (1 + taxRate / 100)}}

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

Welcome to the exclusive area!

{{end}}

This document demonstrates all features from the comprehensive feature list.