

Rag Rule Helper Rule

DocScanner AI Writing Rule Documentation

Rule Overview

Name: Rag Rule Helper

File: rag_rule_helper.py

Description: Implements Rag Rule Helper checking and validation

Purpose: Ensures compliance with Rag Rule Helper guidelines

Functions

format_rag_suggestion(raw_suggestion, rule_name)

Format RAG suggestion to be user-friendly and crisp. Converts "OPTION 1: ..., OPTION 2: ..., WHY: ..." to clean suggestion.

check_with_rag(content, rule_name, description, rule_patterns)

Simple RAG checker for basic rules like spelling checker. Args: content: The text content to check rule_name: Name of the rule for logging/debugging description: Description of what the rule checks for rule_patterns: Optional rule patterns (ignored when RAG disabled) **kwargs: Additional arguments (ignored) Returns: List of suggestion strings

check_with_rag_advanced(content, rule_patterns, rule_name, fallback_suggestions)

Advanced RAG-enabled rule checker with smart fallback. Args: content: The text content to check rule_patterns: Dictionary containing pattern detection logic rule_name: Name of the rule for logging/debugging fallback_suggestions: List of fallback suggestions when RAG is unavailable Returns: List of suggestion dictionaries with RAG enhancements

detect_passive_voice_issues(content, text_content)

Detect passive voice constructions in text. Returns list of detected issues with context.

detect_long_sentence_issues(content, text_content)

Detect long sentences that may need splitting.

detect_modal_verb_issues(content, text_content)

Detect modal verb issues (can/may/could usage).

Checks Performed

- Passive Voice Detection
- Long Sentence Detection
- Modal Verb Usage

Regular Expression Patterns

```
OPTION\s+1:\s*([^\n]+)
) text_content = soup.get_text() text_content = html.unescape(text_content) # Lazy
import RAG system to avoid Flask startup issues global get_rag_suggestion if
get_rag_suggestion is None: try: import sys import os
sys.path.append(os.path.join(os.path.dirname(__file__),
[.!?]+
\bis\s+\w+ed\b
\bare\s+\w+ed\b
```

Code Examples

```
logging.info(
logging.info(
logging.info(
```

Dependencies

- logging
- sys
- typing.Union
- services.enrichment.enrich_issues_with_rag
- re
- os
- spacy
- scripts.rag_system.get_rag_suggestion
- rag_system.get_rag_suggestion
- bs4.BeautifulSoup

Implementation Notes

- EMERGENCY TOGGLE: Set to False to disable RAG for performance
- Enabled for RAG functionality
- Import RAG system - try DocScanner Ollama first, then other systems
- Try DocScanner Ollama RAG system first (production-ready)
- Lazy import to avoid blocking Flask startup

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