Spring Boot String Intelligence API - Developer Guide

Project Overview:

This microservice performs string processing operations for product search and tagging functionalities in an e-commerce system.

Base URL: http://localhost:8081/api/stringops

Available Endpoints:

1. POST /slug - Converts a product name into URL slug format

2. POST /wordcount - Returns word count of the product description

3. POST /highlight?keyword=<kw> - Highlights the given keyword in product tags

4. GET /match?title=<title>&search=<search> - Checks if search term is present in product title

Sample JSON Request Bodies:

POST /slug

{ "productName": "iPhone 15 Pro Max - 128GB" }

POST /wordcount

{ "description": "This is a powerful premium phone with great camera." }

POST /highlight?keyword=apple

{ "tags": "Apple iPhone Premium Smartphone" }

Monitoring Endpoints (Spring Actuator):

GET /actuator/health

GET /actuator/info

GET /actuator/metrics/http.server.requests

Instructions:

- Ensure application.properties has server.port=8081

- Use Postman or curl to test these endpoints

- Check Spring Actuator endpoints to see metrics and health status