Project name
MediaContentRetriever

#Version
1.0

#Author
Raja Vijayakanth Bommisetty

Introduction
This application will be able to retrieve correct media data based on media_level parameter. This application uses json file to search and extract the data. Application expects 2 parameters.
1. Filter
2. Level -- This is used for searching and extracting the data from the json

Usage
Follow the below steps to use this application

Application expects HTTP 'GET' as a method and 2 query parameters to parse the JSON file.
Sample URL:
GET http://Hostname:port/projName/media?filter=censoring&level=Uncensored

Possible values for the query parameters "filter&level" are
filter=censoring
level=Censored/Uncensored/-

Contributing
As this is a POC.. there's no contribution towards patching…

Help
As this is a POC… No help provided to resolve issues.

Installation
Below software/dependencies are required.
1. JAVA8

2. Maven
3. Git(Optional)
4. Application libraries

Requirements
As explained above in installation point those things are mandatory

Configuration
This includes compiling and Generating the WAR file for successful run of application
1. Unzip the file
2. Generate WAR file using the below command
3. mvn clean install
4. Deploy the WAR in web server. I have used apache-tomcat-8.0.38 version. But can use any of available web servers to run the application.
5. Send the request as said above to get the response.
6. For values other than specified in the requirements file/above application will respond with below data

"Something wrong with the request parameters"

Technologies & Libraries
1. This application is developed on top of SPRING Framework. As suggested in the requirement document (Spring boot) i have used this (Spring).
2. Application used 3rd party libraries include
   a. Json Libraries - "com.googlecode.json-simple, json-simple, 1.1.1" -- This is used to parse the JSON and "com.google.code.gson, gson, 2.8.0" -- Used for formatting the final data to JSON
   b. Spring Dependencies - "org.springframework, spring-webmvc, 4.2.0.RELEASE" - Developed the actual controller to receive and send the request and response
   c. Container dependency library - "javax.servlet, servlet-api, 2.5" - This is used by the tomcat container to run the application
3. This application developed using JAVA8, Maven, IDE(Eclipse)

How to RUN Test Suite
This is used to verify the behaviour of the application. Follow the below steps to run the test suite
1. Change the directory to "/MediaContentRetriever/src/test/java/testSuite" and right-click and run-as "jUnit Test". This should be done using IDE.

2. Running using command-line
    1. Set the Junit-jar file on classpath
        set CLASSPATH=.;%CLASSPATH%;x:\path\to\junit\junit-3.8.1.jar
    2. Compile the required classes - In order to compile below it may need spring and json related jars as said above "#Technologies & Libraries"
        Javac com.assignment.util.JsonParserUtil.java testSuite.TestSuite.java
3. Run the test suite using below command
    Java testSuite.TestSuite

License

As this is a POC.. No License is available and can be used for further updation and enhancement.. OPEN SOURCE Library.