Filter API

Filter API is a JAVA Maven Project that can be used to determine whether or not a resource matches a given set of criteria. The criteria are:

- boolean literals (constants): "true" and "false"
- logical operators which can be used to combine the results of other filters: AND, OR, and NOT
- comparison operators (care should be taken to deal with missing properties):
  1. property is present
  2. property is equal to some value
  3. property is less than some value.
  4. property is greater than some value
  5. property matches a regular expression.

It also has ability to programmatically construct arbitrarily complex filters.

Requirements

It requires:

- Java 8
- Maven
- JDK

Usage

To build the project Unzip the file and navigate to \app\forgerock-exercise and run:

```
mvn package
```

To run the App run the following command in the same directory:

```
java -cp target/forgerock-exercise-1.0-SNAPSHOT.jar com.forgerock.app.App
```

To run the tests of the different Filters run the following command in the same directory:

```
mvn test
```

Grammar

A simple grammar file can be found in the initial directory as a TXT-file grammar.file

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