Wisdom RESTClient

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Wisdom RESTClient

Contents

1.   Prerequisite

Table 1.   Prerequisite

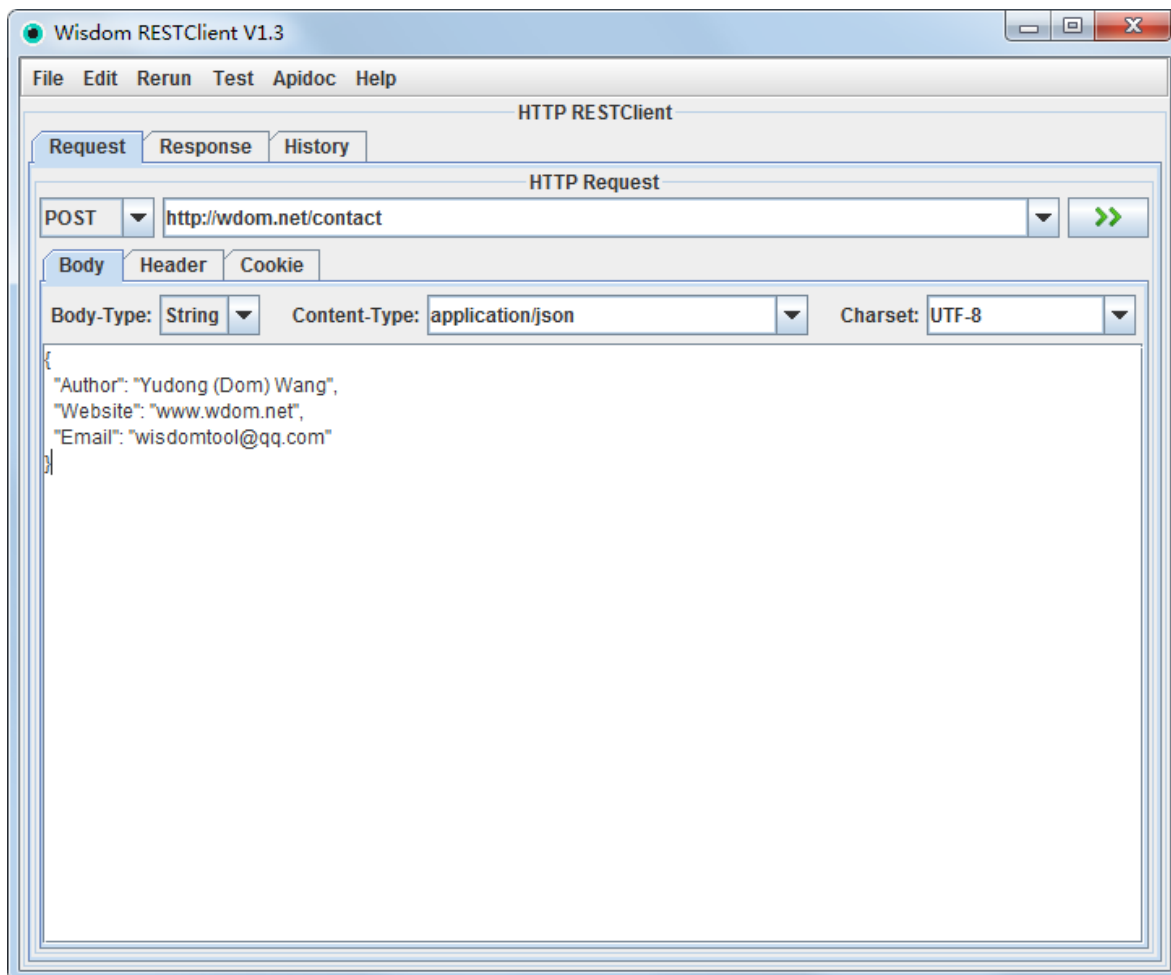| Java	1.8 or higher
OS	Windows, Linux, Mac
Browser	IE 9 or higher Firefox 51.0 or higher Chrome 53.0 or higher

2.   REST Client

Figure 1.   REST Client View

Table 2.   REST Client View

View	Component
Menu Bar View	File Edit Test Apidoc Help
HTTP Request View	Method URL Body Header Cookie
HTTP Response View	Status Body Header Raw Text
HTTP History View	Request Response Date Time Assert Body

2.1 Menu Bar View

Figure 2.   Menu Bar View

File Edit Test Apidoc Help

Table 3.   Menu Bar View

Menu	Menu Item
File	Import Export Exit
Edit	Reset Request Reset Response Reset All Remove All
Test	Start Test Stop Test Test Report
Apidoc	Create Open

Help	Help Contents
	Report Issue
	About Tool

2.1.1   Menu [File]

Figure 3.   Menu [File]
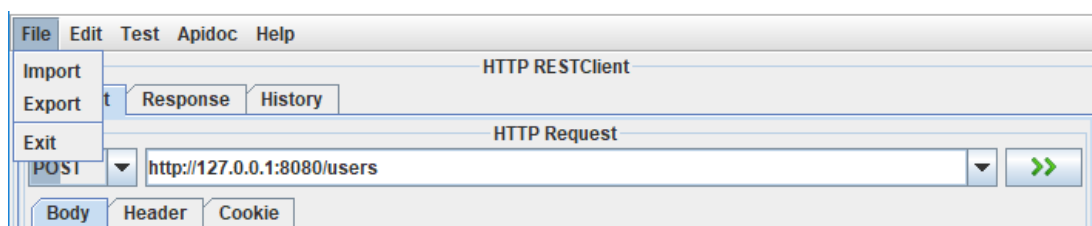
Table 4.   Menu [File]

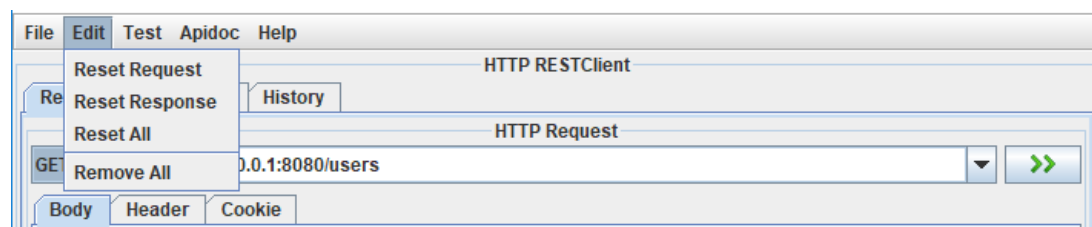| Menu Item	Detail
Import	Import history file that export before
Export	Export current HTTP history to a file
Exit	Exit REST Client

2.1.2   Menu [Edit]

Figure 4.   Menu [Edit]

Table 5.   Menu [Edit]

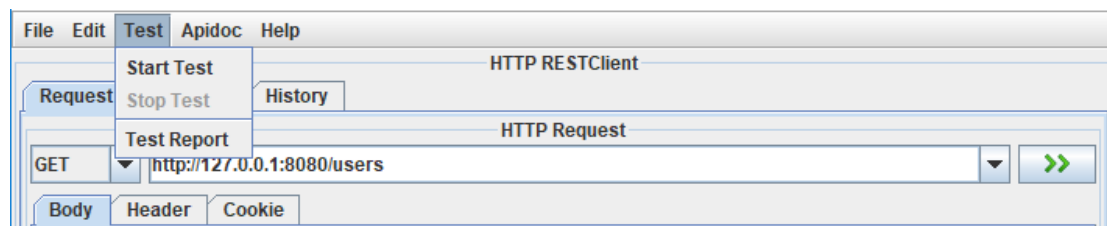| Menu Item	Detail
Reset Request	Reset request view
Reset Response	Reset response view
Reset All	Reset both request and response view
Remove All	Remove all the HTTP history

2.1.3   Menu [Test]

Figure 5.   Menu [Test]

Table 6.   Menu [Test]

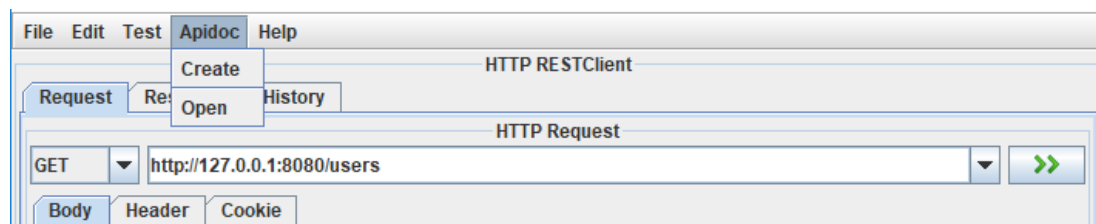| Menu Item	Detail
Start Test	Start testing HTTP history
Stop Test	Stop testing HTTP history
Test Report	Open testing report of HTTP history

2.1.1   Menu [Apidoc]

Table 7.   Menu [Apidoc]

Menu Item	Detail
Create	Create API document based on history
Open	Open API document generated last time

2.1.2   Menu [Help]

Figure 6.   Menu [Help]
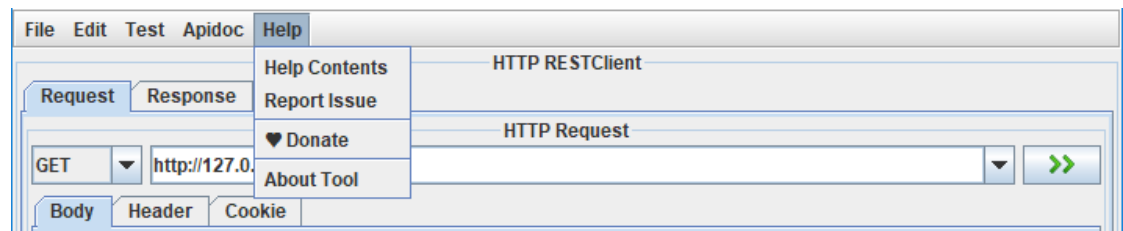
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Table 8.   Menu [Help]

Menu Item	Detail
Help Contents	Open help contents to get help
Report Issue	Report issue for the REST client tool
About Tool	Know about the REST client tool

2.2   HTTP Request View

Figure 7.   Method & URL
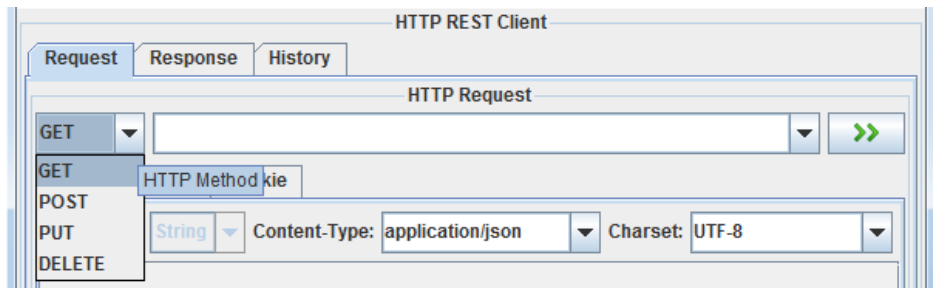

Figure 8.   Body->Body Type->String
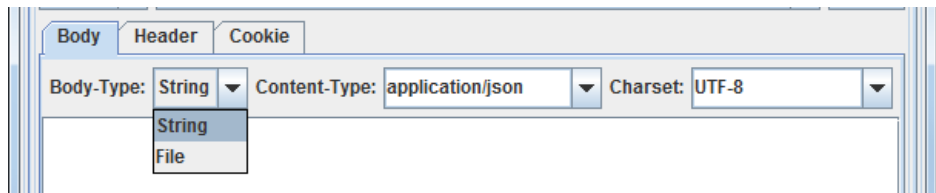

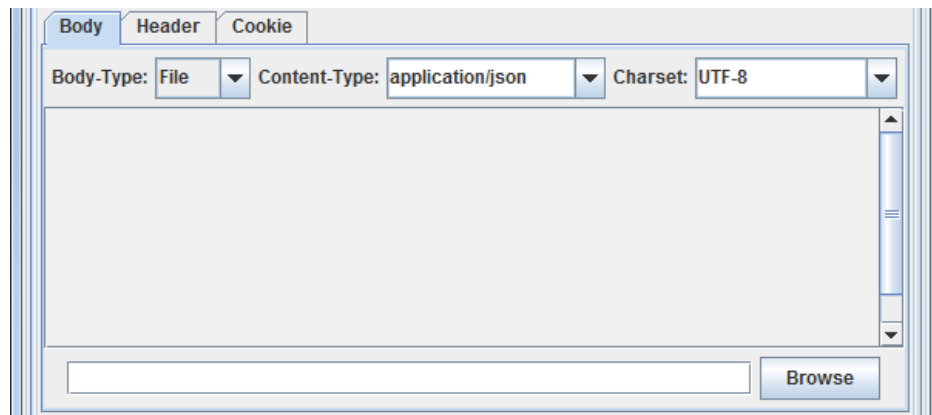**Figure 9.   Body->Body Type->File**

Figure 10.   Body->Content Type
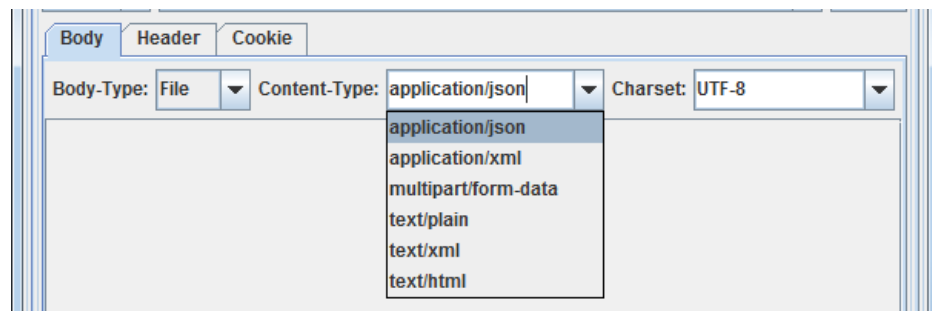
Figure 11.   Body->Charset
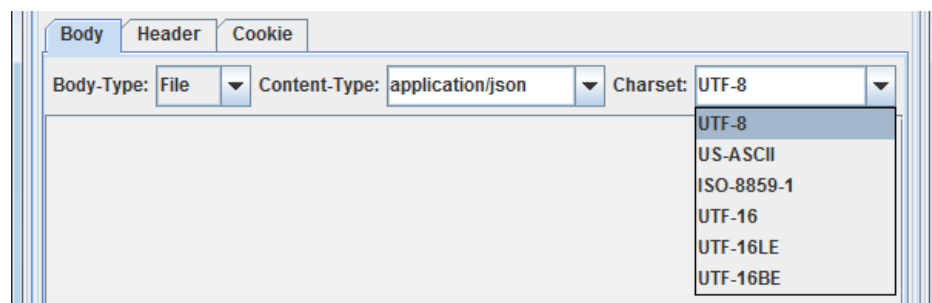
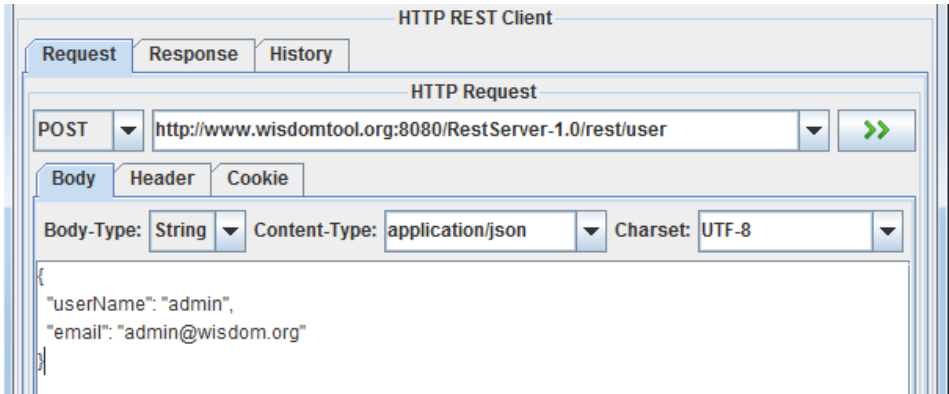**Figure 12.   Body->Content**

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Figure 13.   Header
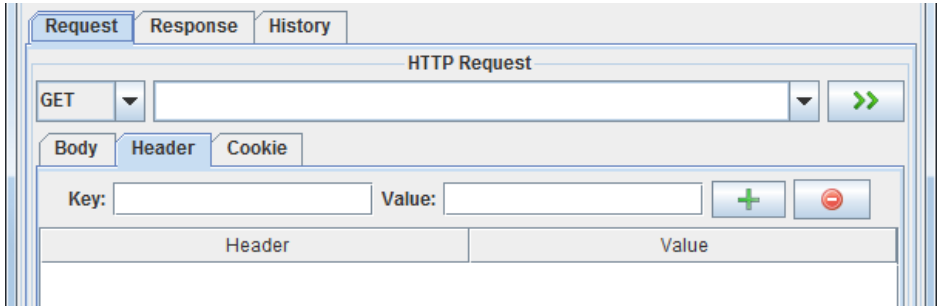
Figure 14.   Cookie
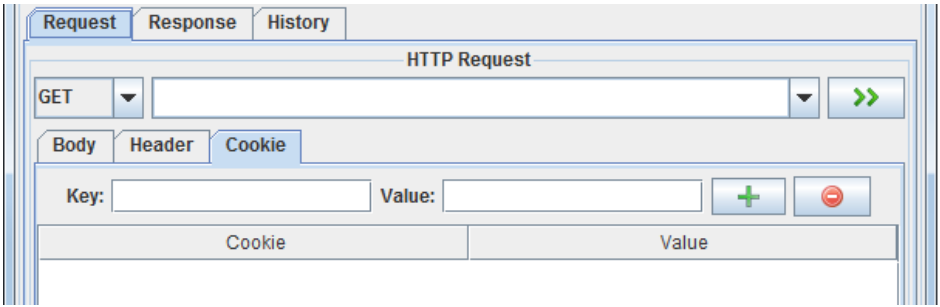
Table 9.   Request View

Component	Detail
Method	Supported methods: **GET** **POST** **PUT** **DELETE**
URL	Supported protocol:

	HTTP HTTPS	
Body	Body Type	**String** – Get body by inputting string **File** - Get body by loading a file
	Body Content	Supported to input string or load file to get body content.
	Content Type	**application/json** **application/xml** **multipart/form-data** **text/plain** **text/xml** **text/html** If all the above content types are not met, supported to input custom type.
	Charset	**UTF-8** **US-ASCII** **ISO-8859-1** **UTF-16** **UTF-16LE** **UTF-16BE** If all the above charsets are not met, supported to input custom type.
Header	Add or remove headers with key/value pair	
Cookie	Add or remove cookies with key/value pair ***Note*:** some web container is supported to add session ID to cookie, thus can access restful API without logon application. For example: **JSESSIONID**=D82DC5F78710A36E60E038B047F4A435 For apache tomcat, user can add **JSESSIONID** to cookie to access restful API directly by REST client tool. User can batch update **JSESSIONID** in file work/http_history.json.	

2.3   HTTP Response View

Figure 15.   Response

10
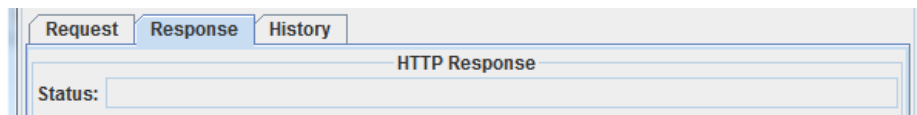
Figure 16.   Status

Figure 17.   Body
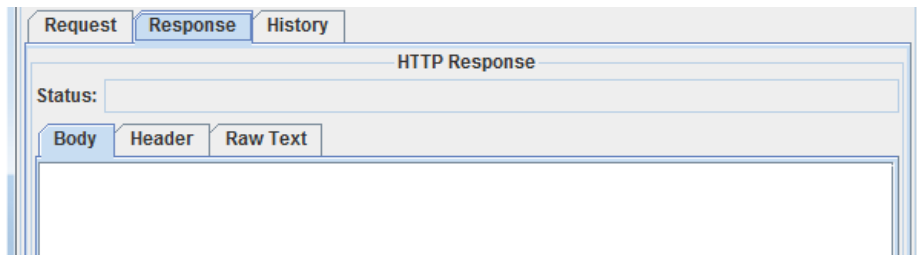
Figure 18.   Header
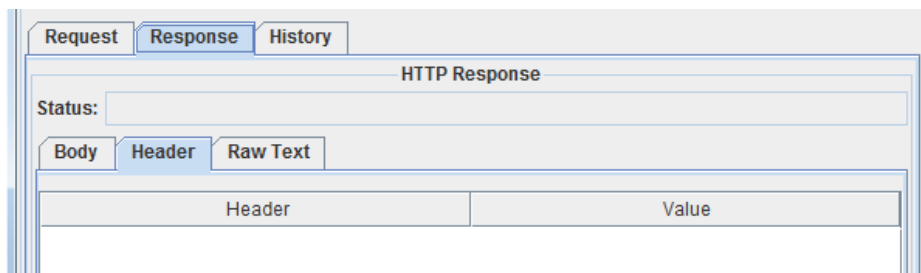
Figure 19.   Raw Text
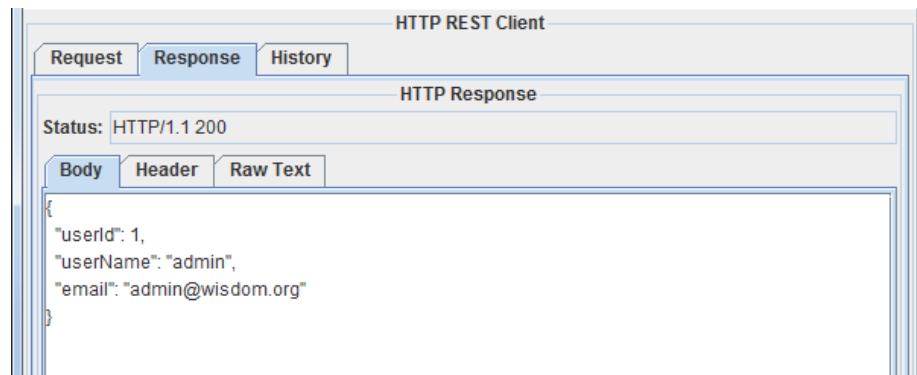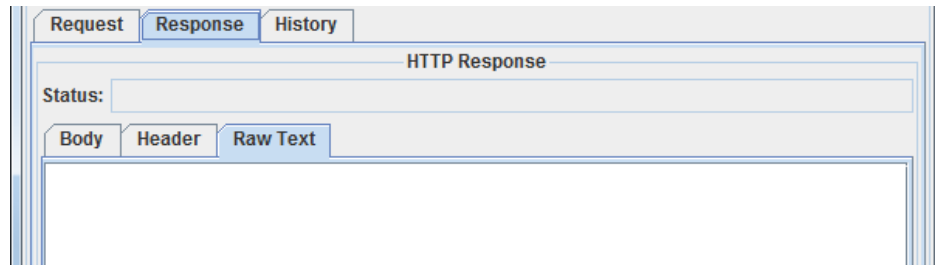
Table 10.   Response View

Component	Detail
Status	HTTP status code
Body	Response body
Header	Response header
Raw Text	Raw text which contains HTTP request information (HTTP method, URL, header, body) and HTTP response information (HTTP status, header, body)

2.4   HTTP History View

Figure 20.   HTTP History View

Figure 21.   Test HTTP History

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| File | Edit | Test | Apidoc | Help |

HTTP RESTClient

Start Test

Request | Stop Test | History
  Start Test History

Test Report

HTTP History

ID	Request	Response	Date	Time	Description
1	GET http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:51:28.363	749ms	-
2	POST http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:51:37.941	203ms	-
3	PUT http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:52:30.498	94ms	-
4	GET http://127.0.0.1:8080/users/1	HTTP/1.1 200	2017-11-15 13:52:41.324	63ms	-
5	POST http://127.0.0.1:8080/users/5	HTTP/1.1 200	2017-11-15 13:52:53.960	78ms	-
6	GET http://127.0.0.1:8080/users/4	HTTP/1.1 200	2017-11-15 13:53:11.760	47ms	-
7	GET http://127.0.0.1:8080/users/2	HTTP/1.1 200	2017-11-15 13:53:19.903	47ms	-
8	DELETE http://127.0.0.1:8080/users/2	HTTP/1.1 200	2017-11-15 13:53:28.951	63ms	-
9	GET http://127.0.0.1:8080/users/2	HTTP/1.1 200	2017-11-15 13:53:37.017	47ms	-
10	GET http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:53:46.877	46ms	-

Figure 22.   Report of Test History

Test Report

This report is generated by Wisdom RESTClient.

Total	4
Passes	3
Failures	1
Errors	0
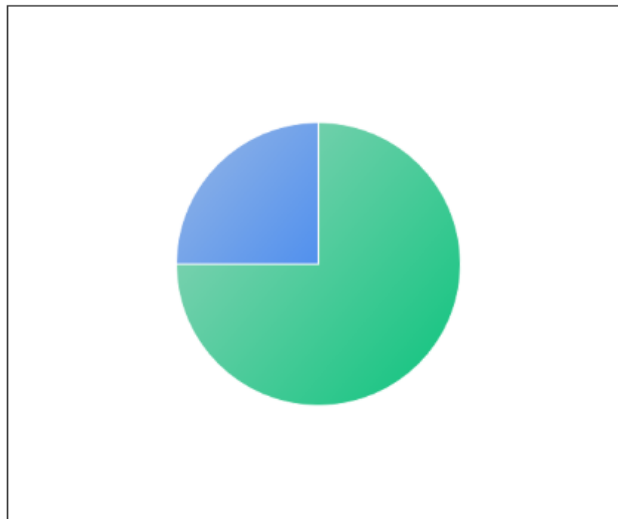
ID	Request	Response	Date	Time	Description	Result	Cause
1	POST http://127.0.0.1:8080 /users	HTTP/1.1 200	2018-11-23 13:41:50.910	60 ms	-	FAILURE	The cause of the error/failure: 10004 -- Response body is inconsistent with the previous one. Please compare the response body in log file with the historical case.
2	PUT http://127.0.0.1:8080 /users	HTTP/1.1 200	2018-11-23 13:41:50.971	8 ms	-	PASS	-
3	GET http://127.0.0.1:8080 /users/1	HTTP/1.1 200	2018-11-23 13:41:50.979	7 ms	-	PASS	-
4	DELETE http://127.0.0.1:8080 /users/1	HTTP/1.1 200	2018-11-23 13:41:50.987	6 ms	-	PASS	-

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Figure 23.   Create API Document Based on History

| File | Edit | Test | Apidoc | Help |

HTTP RESTClient

| Request | Re... | Open | History |

Create API Documentation

HTTP History

ID	Request	Response	Date	Time	Description
1	GET http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:51:28.363	749ms	-
2	POST http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:51:37.941	203ms	-
3	PUT http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:52:30.498	94ms	-
4	GET http://127.0.0.1:8080/users/1	HTTP/1.1 200	2017-11-15 13:52:41.324	63ms	-
5	POST http://127.0.0.1:8080/users/5	HTTP/1.1 200	2017-11-15 13:52:53.960	78ms	-
6	GET http://127.0.0.1:8080/users/4	HTTP/1.1 200	2017-11-15 13:53:11.760	47ms	-
7	GET http://127.0.0.1:8080/users/2	HTTP/1.1 200	2017-11-15 13:53:19.903	47ms	-
8	DELETE http://127.0.0.1:8080/users/2	HTTP/1.1 200	2017-11-15 13:53:28.951	63ms	-
9	GET http://127.0.0.1:8080/users/2	HTTP/1.1 200	2017-11-15 13:53:37.017	47ms	-
10	GET http://127.0.0.1:8080/users	HTTP/1.1 200	2017-11-15 13:53:46.877	46ms	-

Figure 24.   RESTful API Document

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RESTful API

This RESTful API document is generated by Wisdom RESTClient.

GET	**/users** Query users

POST	**/users** Create users

PUT	**/users** Update users

GET	**/users/** {id} Query users

POST	**/users/** {id} Create users

DELETE	**/users/** {id} Delete users

Request

Name	Description
Header	Content-Type : application/json; charset=UTF-8 Accept : application/json
Body	**Model** | **Example** N/A

Response

Status	Description
HTTP/1.1 200	OK **Model** | **Example** instance [null] instances [null] code [number] msg [string]

Table 11.　　Response View

Feature	Detail
Assert Body	The default is selected to compare response body with the history case. If some case is not applicable to body comparison, please deselect it.
Start test	Test all the HTTP history
Stop test	Stop test while testing is running
Test report	Output test report, display in default browser
Remove selected history	Remove selected one or multiple history
Remove all history	Remove all the history
Select history	If selected one history, the history (HTTP request & response) can be set on both request view and response view.
Export history	Export current HTTP request & response to a file as JSON format.
Import history	Import a history file that export before to refresh current REST client view.

3.　　FAQ

This tool is developed by individual.

http://wdom.net

Please contact by e-mail for any insightful feedbacks, feature requests and bugs.

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Figure 25.　　　About Tool

Wisdom RESTClient V1.3

This tool is developed by individual.

http://wdom.net

Please contact by e-mail for any insightful feedbacks, feature requests and bugs.

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OK