Wisdom RESTClient

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Contents

1. **Prerequisite** 3

2. **REST Client** 3

2.1 Menu Bar View 4

2.1.1 Menu [File] 5

2.1.2 Menu [Edit] 5

2.1.3 Menu [Test] 6

2.1.1 Menu [Apidoc] 6

2.1.2 Menu [Help] 7

2.2 HTTP Request View 7

2.3 HTTP Response View 11

2.4 HTTP History View 12

3. **FAQ** 17

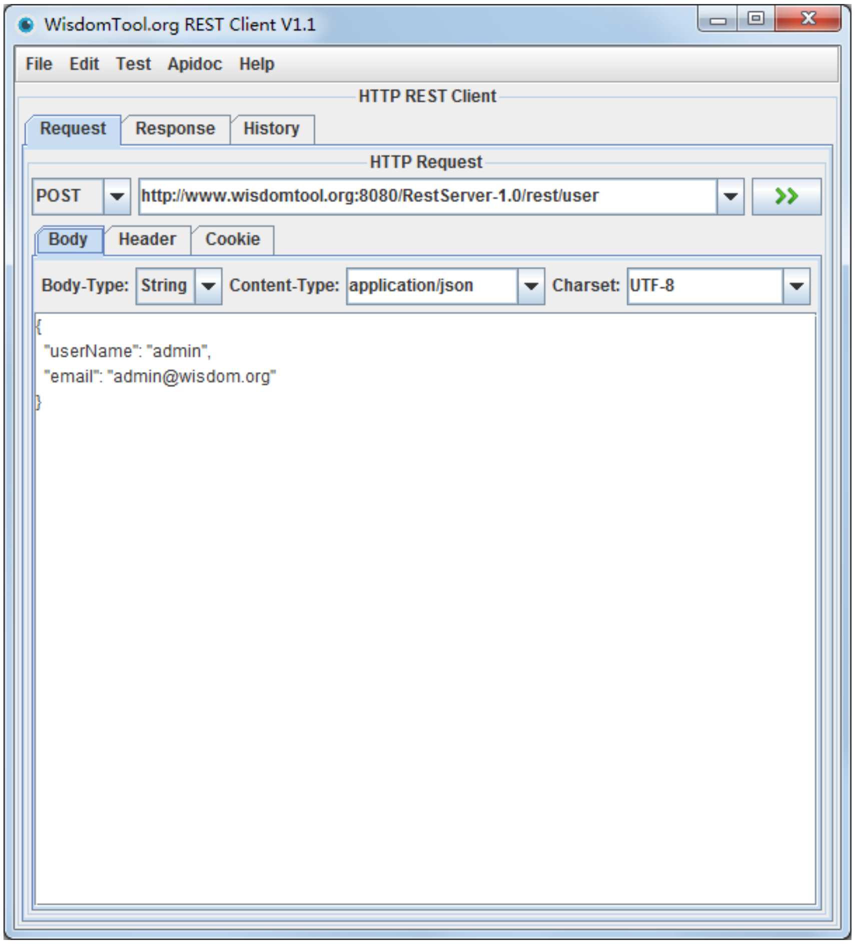
1. Prerequisite

Table 1. Prerequisite

Java	1.7 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



WisdomTool.org REST Client V1.1

POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user

Body-Type: String Content-Type: application/json Charset: UTF-8

```
{
 "userName": "admin",
 "email": "admin@wisdom.org"
}
```

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

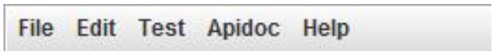


Table 3. Menu Bar View

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]

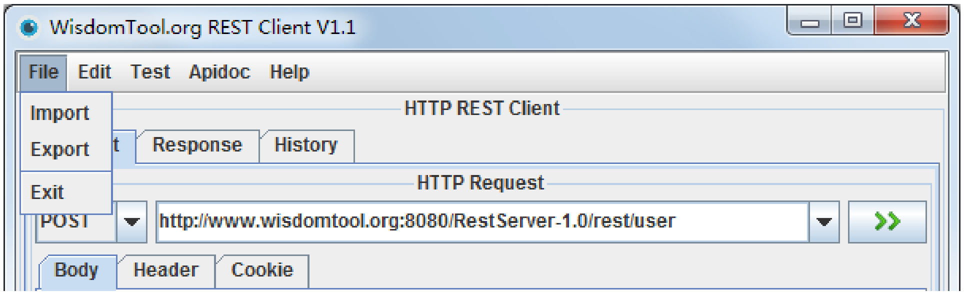


Table 4. Menu [File]

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]

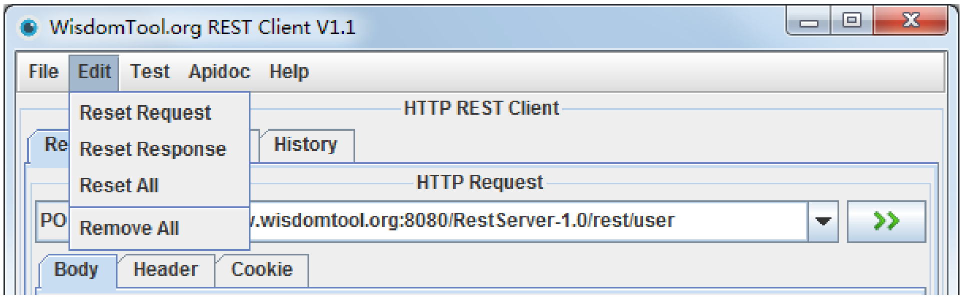
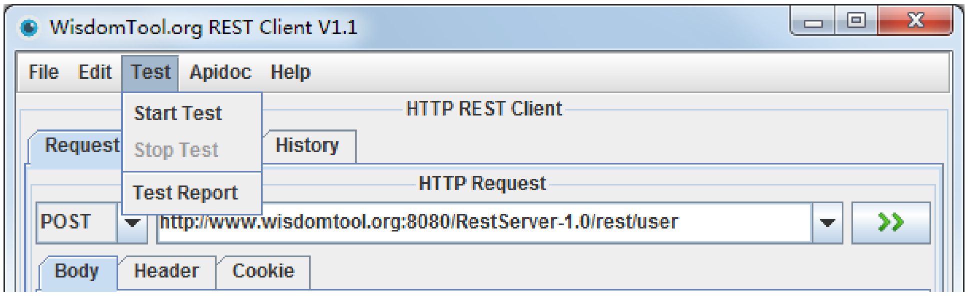


Table 5. Menu [Edit]

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]

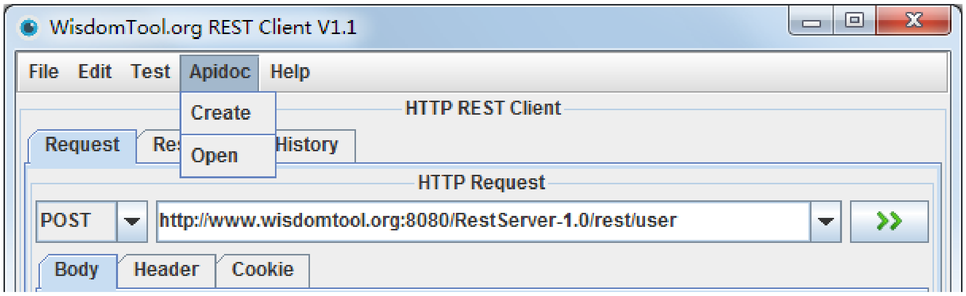


POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user

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]



POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user

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]

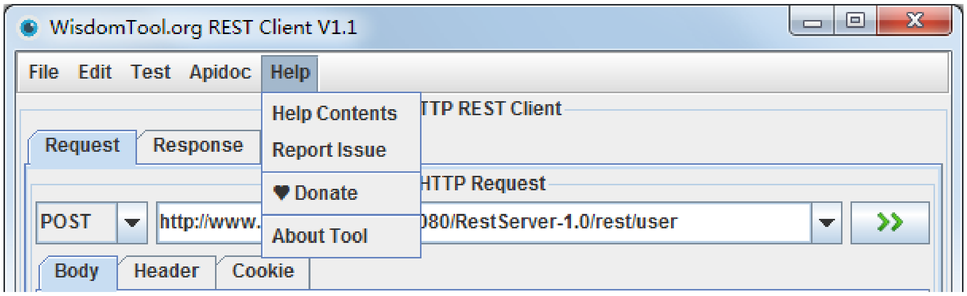
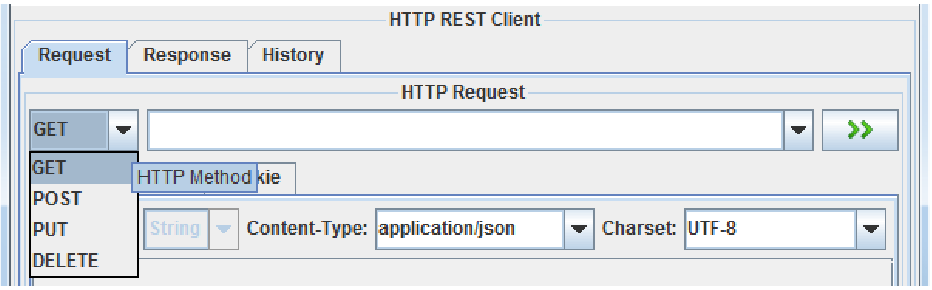


Table 8. Menu [Help]

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

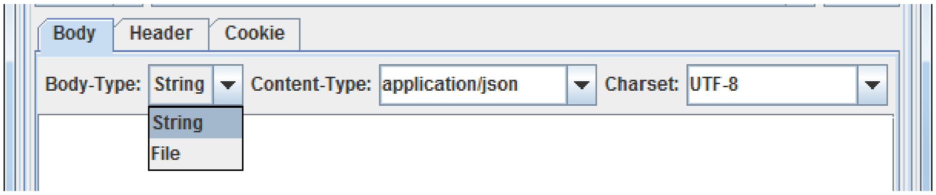
Figure 7. Method & URL



Content-Type: application/json

Charset: UTF-8

Figure 8. Body->Body Type->String

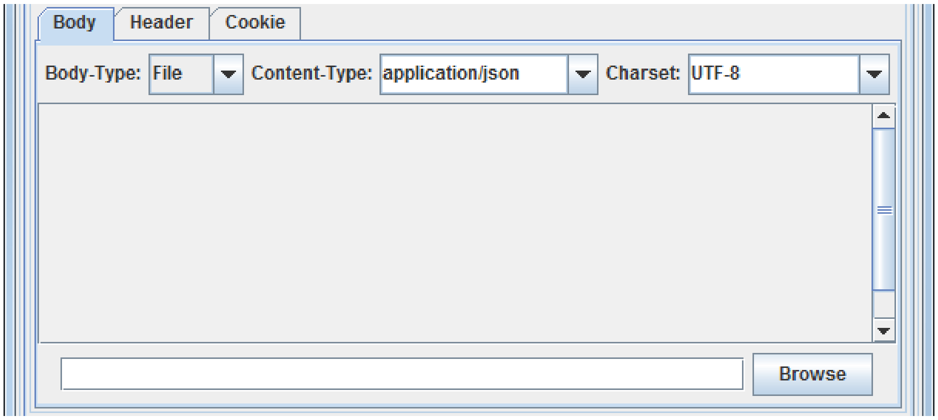


Body-Type: String
- String
- File

Content-Type: application/json

Charset: UTF-8

Figure 9. Body->Body Type->File

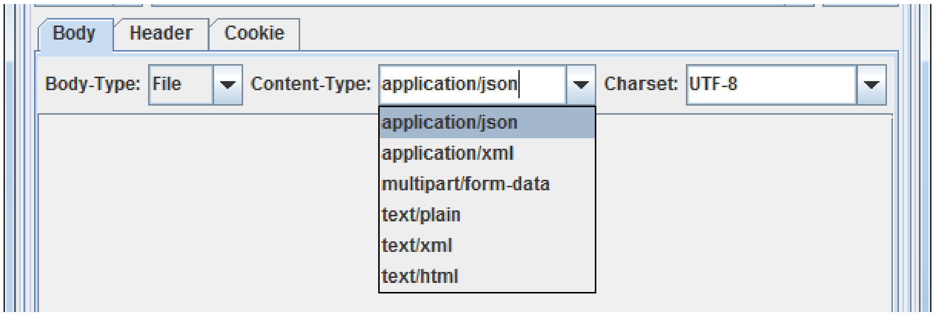


Body-Type: File

Content-Type: application/json

Charset: UTF-8

Figure 10. Body->Content Type

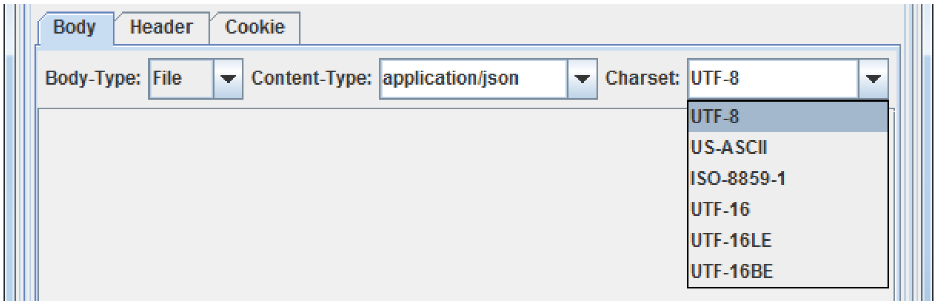


Body-Type: File

Content-Type: application/json
- application/json
- application/xml
- multipart/form-data
- text/plain
- text/xml
- text/html

Charset: UTF-8

Figure 11. Body->Charset

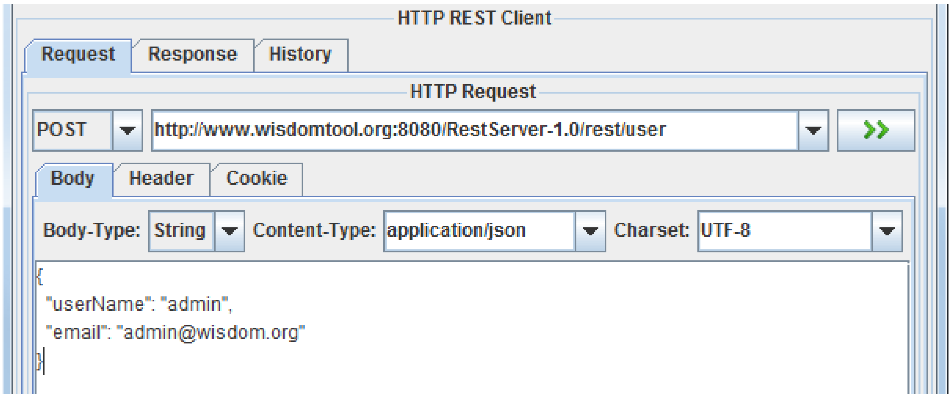


Body-Type: File

Content-Type: application/json

Charset: UTF-8
- UTF-8
- US-ASCII
- ISO-8859-1
- UTF-16
- UTF-16LE
- UTF-16BE

Figure 12. Body->Content

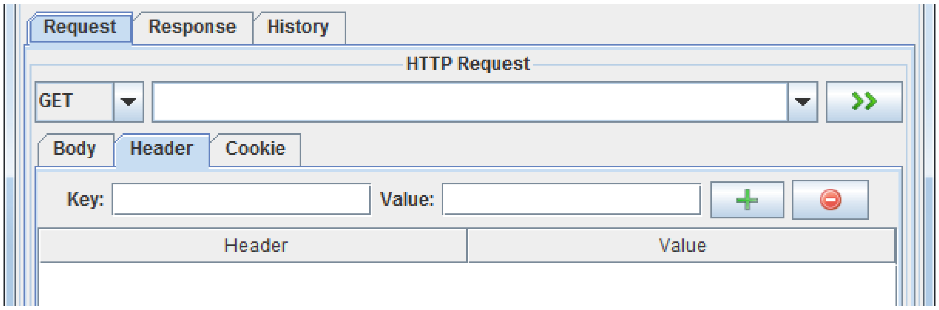


POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user

Body-Type: String Content-Type: application/json Charset: UTF-8

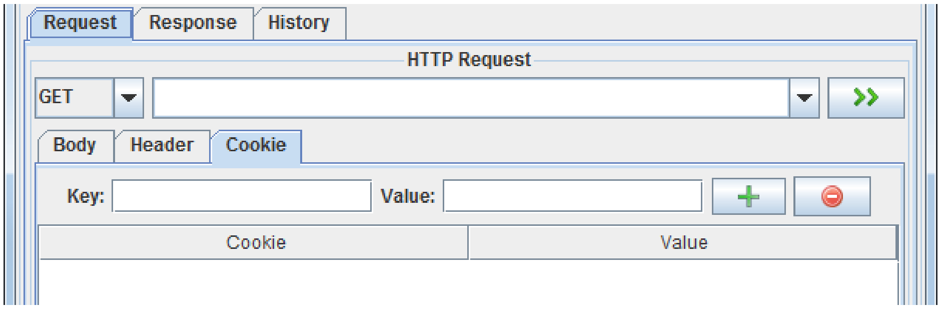
```
{
 "userName": "admin",
 "email": "admin@wisdom.org"
}
```

Figure 13. Header



GET

Figure 14. Cookie



GET

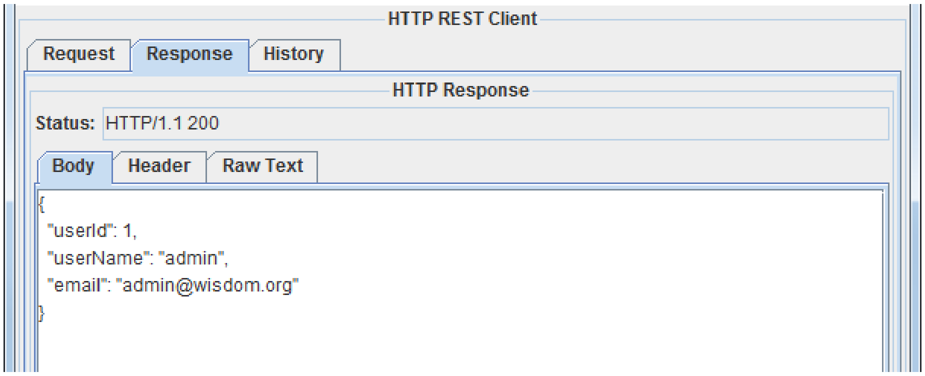
Table 9. Request View

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



Status: HTTP/1.1 200

```
{
  "userId": 1,
  "userName": "admin",
  "email": "admin@wisdom.org"
}
```

Figure 16. Status

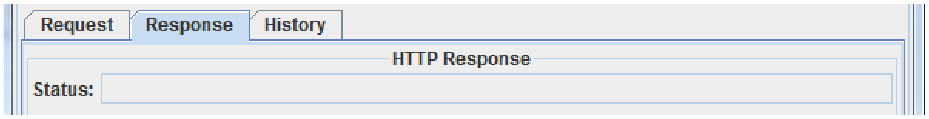


Figure 17. Body

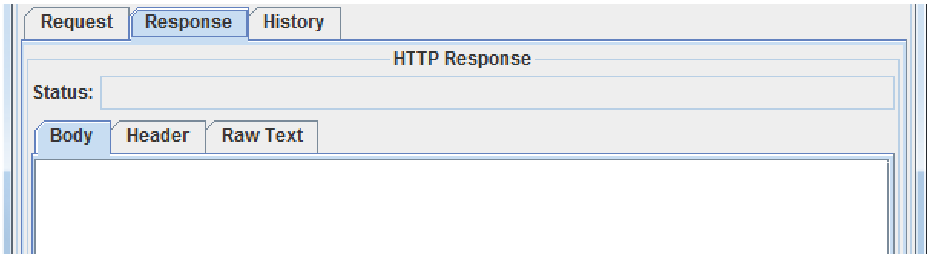


Figure 18. Header

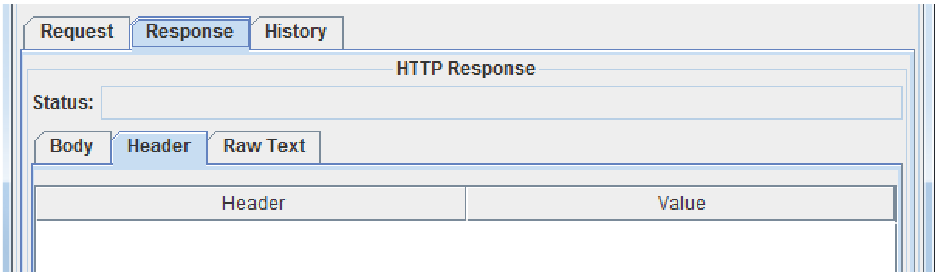


Figure 19. Raw Text

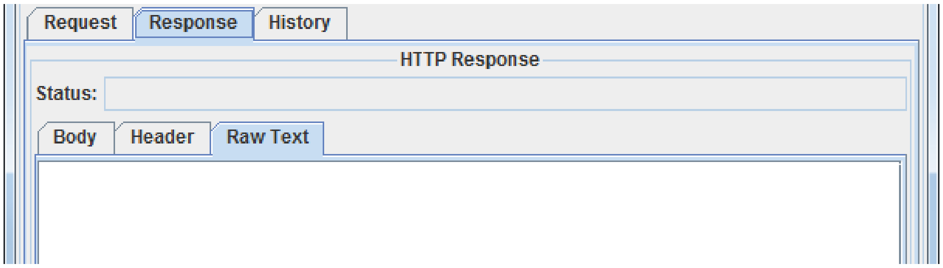
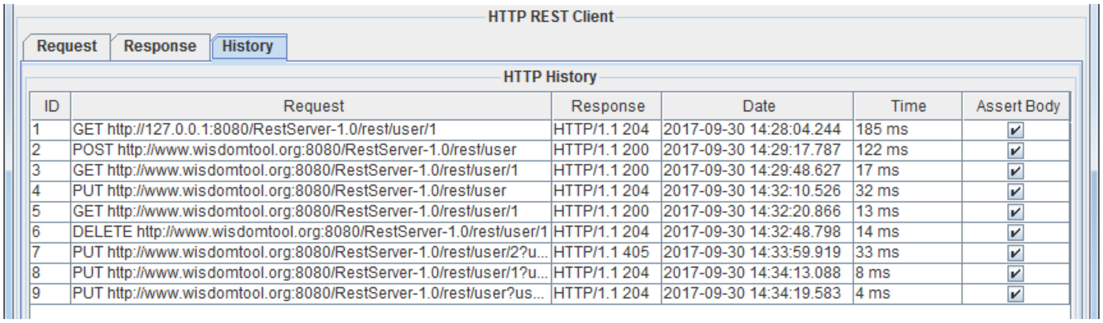


Table 10. Response View

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)

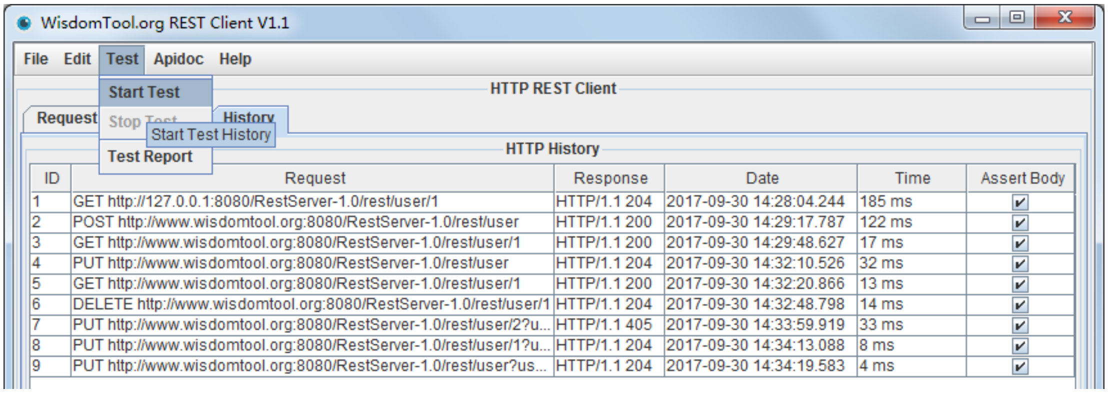
2.4 HTTP History View

Figure 20. HTTP History View



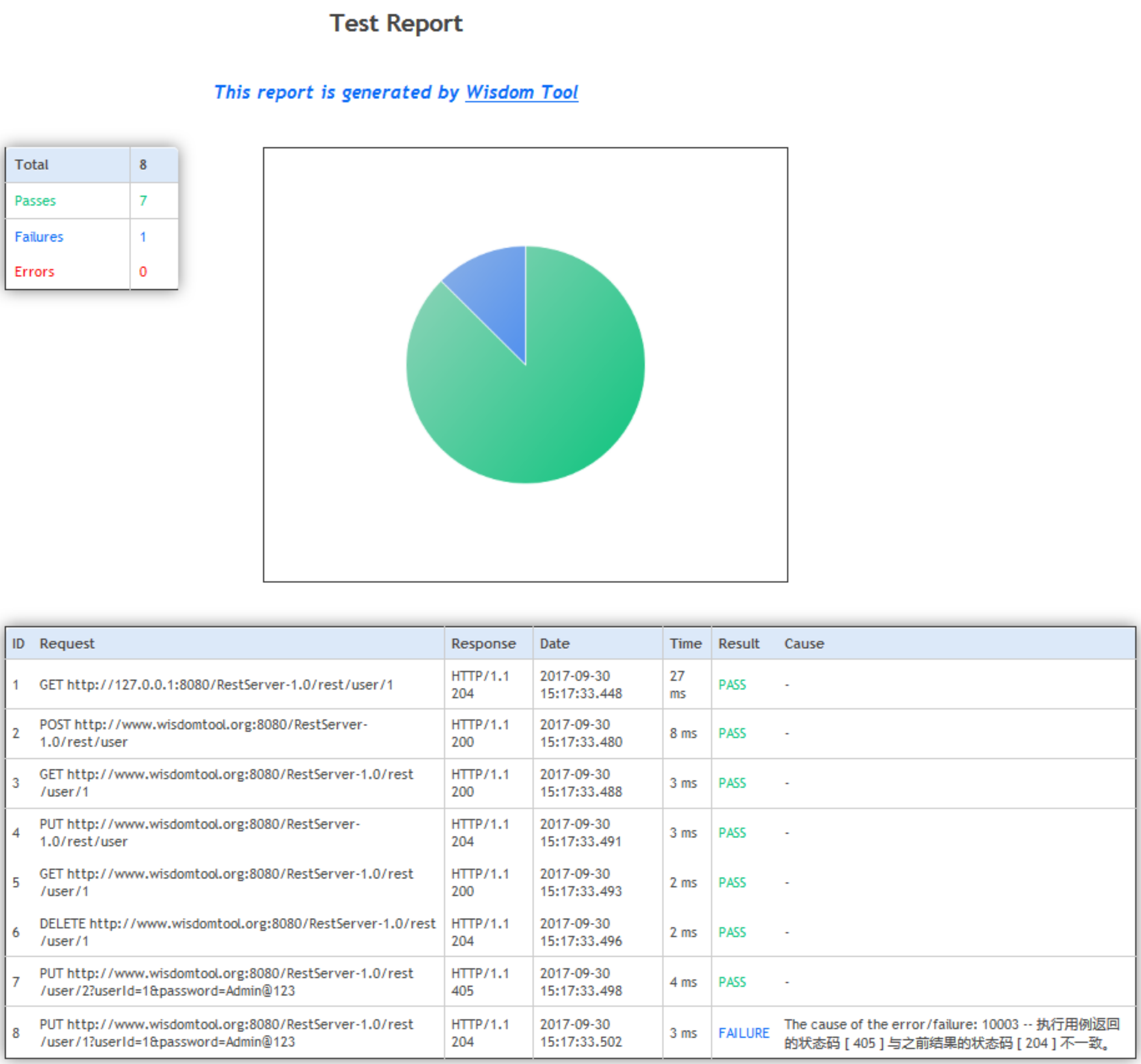
ID	Request	Response	Date	Time	Assert Body
1	GET http://127.0.0.1:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 14:28:04.244	185 ms	☑
2	POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 200	2017-09-30 14:29:17.787	122 ms	☑
3	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-09-30 14:29:48.627	17 ms	☑
4	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 204	2017-09-30 14:32:10.526	32 ms	☑
5	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-09-30 14:32:20.866	13 ms	☑
6	DELETE http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 14:32:48.798	14 ms	☑
7	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/2?u...	HTTP/1.1 405	2017-09-30 14:33:59.919	33 ms	☑
8	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1?u...	HTTP/1.1 204	2017-09-30 14:34:13.088	8 ms	☑
9	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user?us...	HTTP/1.1 204	2017-09-30 14:34:19.583	4 ms	☑

Figure 21. Test HTTP History



ID	Request	Response	Date	Time	Assert Body
1	GET http://127.0.0.1:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 14:28:04.244	185 ms	☑
2	POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 200	2017-09-30 14:29:17.787	122 ms	☑
3	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-09-30 14:29:48.627	17 ms	☑
4	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 204	2017-09-30 14:32:10.526	32 ms	☑
5	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-09-30 14:32:20.866	13 ms	☑
6	DELETE http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 14:32:48.798	14 ms	☑
7	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/2?u...	HTTP/1.1 405	2017-09-30 14:33:59.919	33 ms	☑
8	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1?u...	HTTP/1.1 204	2017-09-30 14:34:13.088	8 ms	☑
9	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user?us...	HTTP/1.1 204	2017-09-30 14:34:19.583	4 ms	☑

Figure 22. Report of Test History



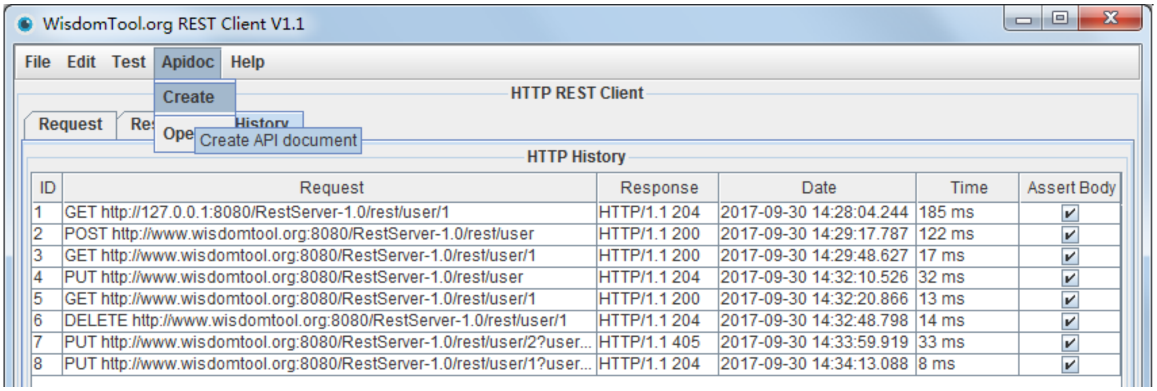
Test Report

This report is generated by Wisdom Tool

Total	8
Passes	7
Failures	1
Errors	0

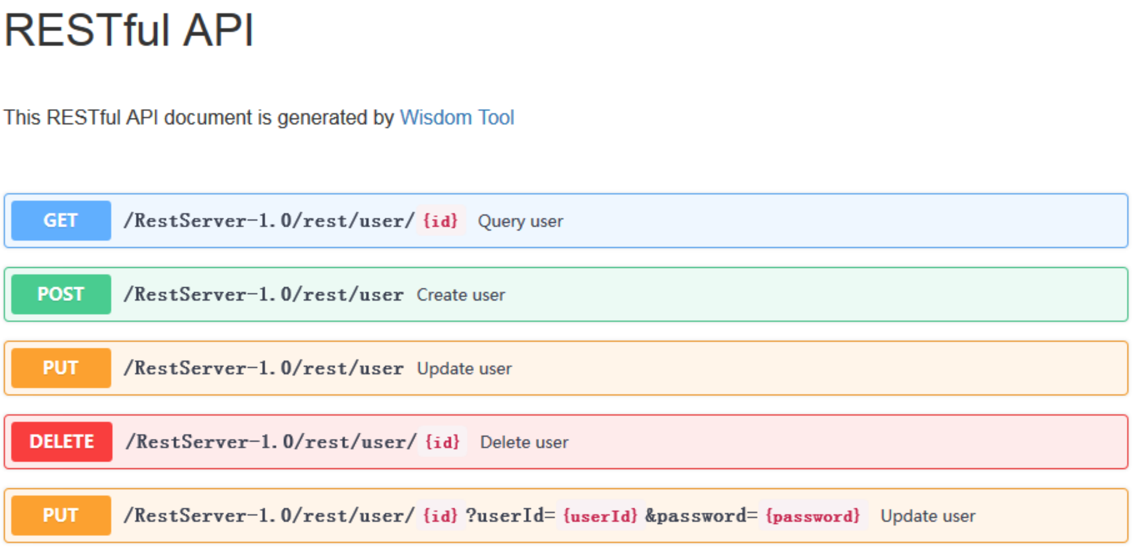
ID	Request	Response	Date	Time	Result	Cause
1	GET http://127.0.0.1:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 15:17:33.448	27 ms	PASS	-
2	POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 200	2017-09-30 15:17:33.480	8 ms	PASS	-
3	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest /user/1	HTTP/1.1 200	2017-09-30 15:17:33.488	3 ms	PASS	-
4	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 204	2017-09-30 15:17:33.491	3 ms	PASS	-
5	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest /user/1	HTTP/1.1 200	2017-09-30 15:17:33.493	2 ms	PASS	-
6	DELETE http://www.wisdomtool.org:8080/RestServer-1.0/rest /user/1	HTTP/1.1 204	2017-09-30 15:17:33.496	2 ms	PASS	-
7	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest /user/2?userId=1&password=Admin@123	HTTP/1.1 405	2017-09-30 15:17:33.498	4 ms	PASS	-
8	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest /user/1?userId=1&password=Admin@123	HTTP/1.1 204	2017-09-30 15:17:33.502	3 ms	FAILURE	The cause of the error/failure: 10003 -- 执行用例返回的状态码 [405] 与之前结果的状态码 [204] 不一致。

Figure 23. Create API Document Based on History



ID	Request	Response	Date	Time	Assert Body
1	GET http://127.0.0.1:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 14:28:04.244	185 ms	☑
2	POST http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 200	2017-09-30 14:29:17.787	122 ms	☑
3	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-09-30 14:29:48.627	17 ms	☑
4	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user	HTTP/1.1 204	2017-09-30 14:32:10.526	32 ms	☑
5	GET http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 200	2017-09-30 14:32:20.866	13 ms	☑
6	DELETE http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1	HTTP/1.1 204	2017-09-30 14:32:48.798	14 ms	☑
7	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/2?user...	HTTP/1.1 405	2017-09-30 14:33:59.919	33 ms	☑
8	PUT http://www.wisdomtool.org:8080/RestServer-1.0/rest/user/1?user...	HTTP/1.1 204	2017-09-30 14:34:13.088	8 ms	☑

Figure 24. RESTful API Document



RESTful API

This RESTful API document is generated by Wisdom Tool

GET /RestServer-1.0/rest/user/{id} Query user

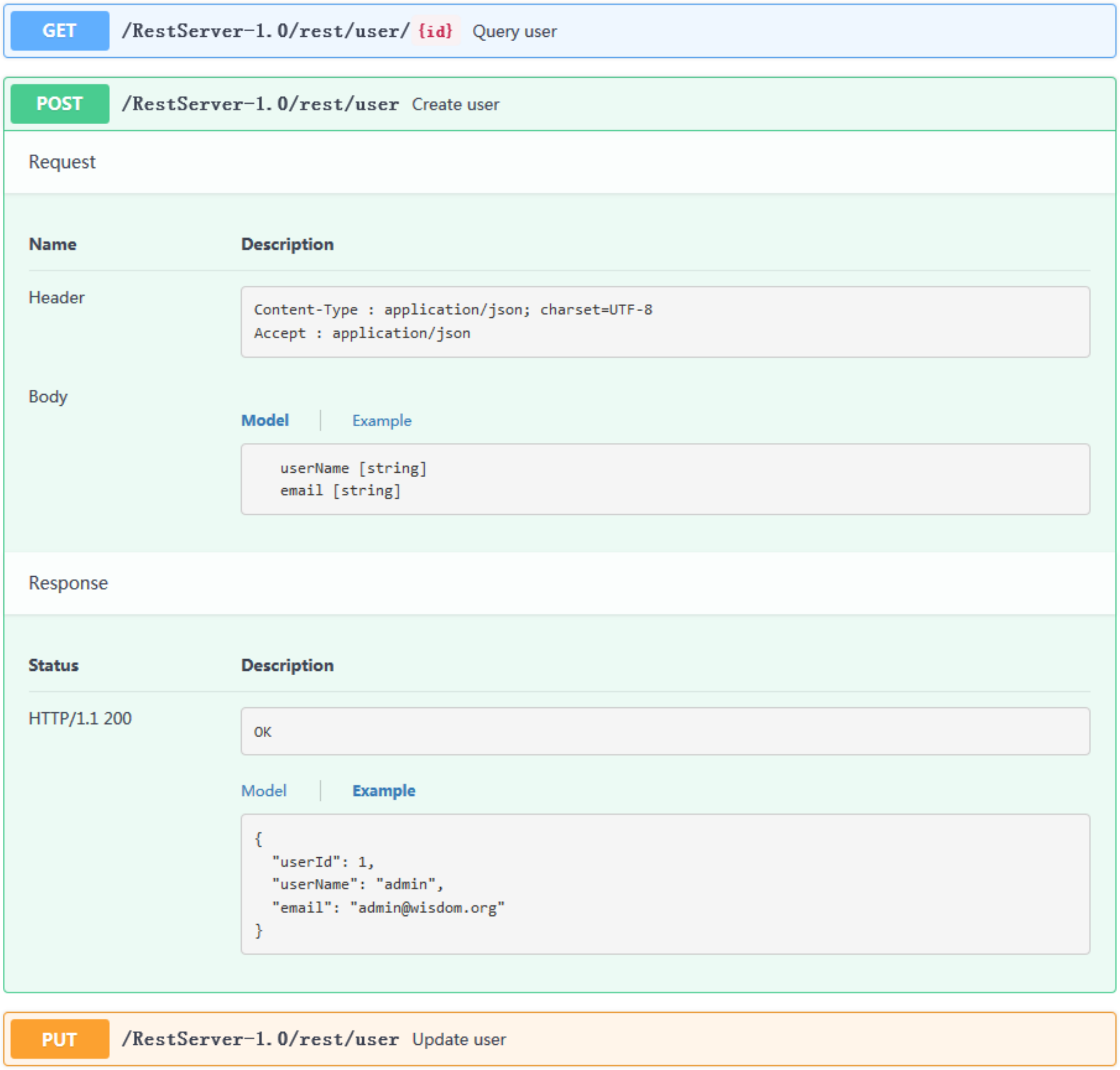
POST /RestServer-1.0/rest/user Create user

PUT /RestServer-1.0/rest/user Update user

DELETE /RestServer-1.0/rest/user/{id} Delete user

PUT /RestServer-1.0/rest/user/{id}?userId={userId}&password={password} Update user

Figure 25. RESTful API Details



GET /RestServer-1.0/rest/user/{id} Query user

POST /RestServer-1.0/rest/user Create user

Request

Name	Description
Header	Content-Type : application/json; charset=UTF-8 Accept : application/json
Body	Model | Example userName [string] email [string]

Response

Status	Description
HTTP/1.1 200	OK

Model | Example

```
{
  "userId": 1,
  "userName": "admin",
  "email": "admin@wisdom.org"
}
```

PUT /RestServer-1.0/rest/user Update user

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.

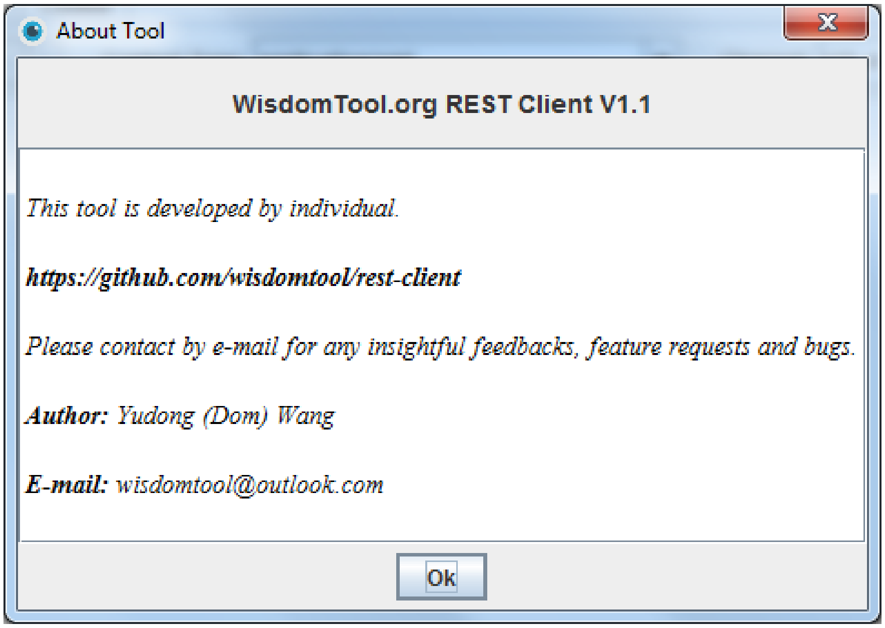
https://github.com/Wisdom-Projects/rest-client

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

Author: *Yudong (Dom) Wang*

E-mail: *wisdomtool@outlook.com*

Figure 26. About Tool



WisdomTool.org REST Client V1.1

This tool is developed by individual.

https://github.com/wisdomtool/rest-client

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

Author: *Yudong (Dom) Wang*

E-mail: *wisdomtool@outlook.com*

Table 12. Issues

Issue ID	Detail