

Restful Web Client Auto Marking Program Guideline

Things to do for Restful Web Client

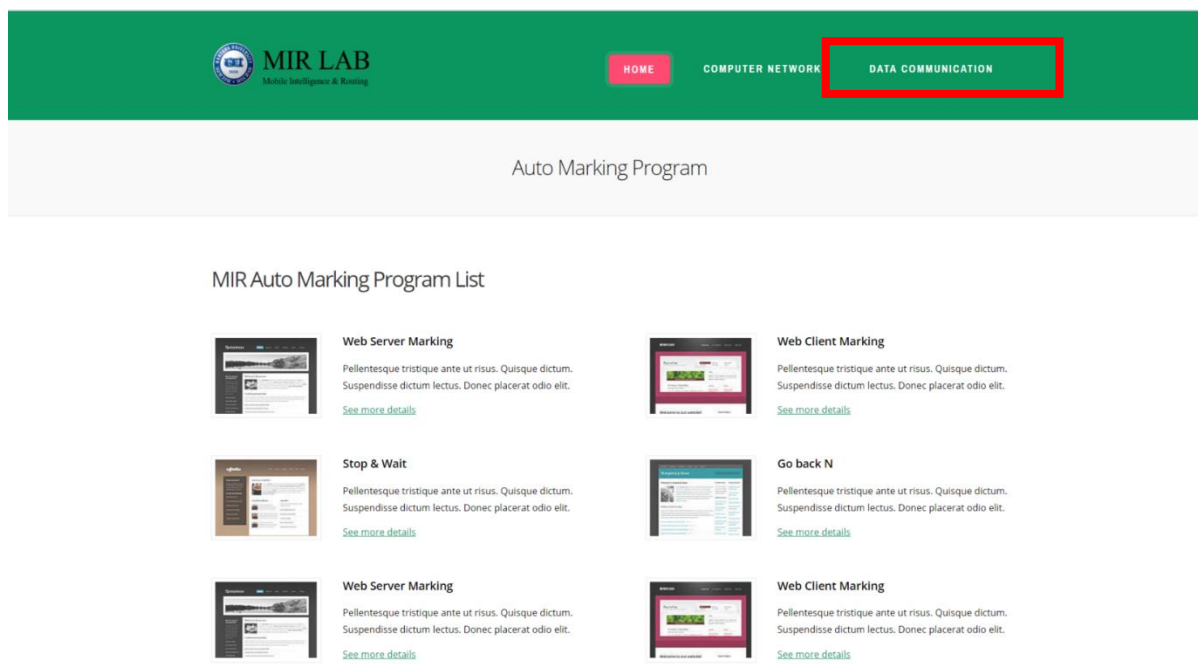
1. REST stands for Representational State Transfer. It is a software architecture style that relies on a stateless communications protocol, most commonly, HTTP.
2. You have to send request message to Web server in order to get, created or delete web resource(JSON data structure)
3. Your basic REST HTTP requests are: POST, GET, and DELETE.

List of grading items

- (1) GET : Sending a GET request would get Device information from server
Mission 1) Ex: `http://<server ip>:<port>/onos/v1/devices`
- (2) POST : Sending a POST request to add Device and a Flow.
Mission 2) Ex: `http://<server ip>:<port>/onos/v1/devices/post`
Mission 3) Ex: `http://<server ip>:<port>/onos/v1/flows/post`
- (3) DELETE : Sending a DELETE request to delete the device
Mission 4) Ex: `http://<server ip>:<port>/onos/v1/devices/delete`

How to test?

1. Approach <http://166.104.143.225:9998/index.html#> through your web browser (Internet Explorer, Chrome, Firefox and etc.), click **DATA COMMUNICATION**









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HOME COMPUTER NETWORK **DATA COMMUNICATION**

Auto Marking Program

MIR Auto Marking Program List


	Web Server Marking Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit. See more details		Web Client Marking Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit. See more details
	Stop & Wait Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit. See more details		Go back N Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit. See more details
	Web Server Marking Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit. See more details		Web Client Marking Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit. See more details

2. REST API Marking-> Go Test



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[Computer Network] Auto Marking Program List



UDP Chatting Marking
 Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit.
[Go Test](#) [Manual](#)




REST API Marking
 Pellentesque tristique ante ut risus. Quisque dictum. Suspendisse dictum lectus. Donec placerat odio elit.
[Go Test](#) [Manual](#)

Aliquam risus pellentesque pharetra! Etiam rhoncus volutpat?

NULLA LUCTUS ELEIFEND PURUS
 FUSCE ULTRICES FRINGILLA METUS

3. Input your name, student number and client IP.->Submit


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Step1. Type your profile and Restful Web Client Information in English

***Access Information**

Date	Time	Your IP	Your Port
2018.3.23	11:38	/0:0:0:0:0:1	63513


***Student Information that you should type**

Student Name	Student Number	Web Client IP
<input type="text"/>	<input type="text"/>	<input type="text"/>

Ready to start your program marking?

SUBMIT
 RESET

- You can see the port you need to connect with server and several missions to test your restful web client


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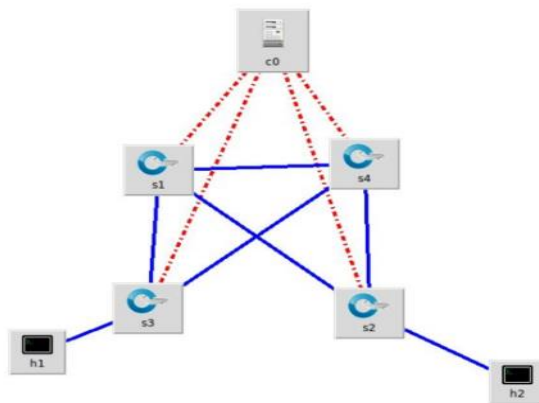
Step2. Access your Web Client to the below address Server

***Your Information**

Student Name	Student Number	Web Client IP
LIYANG	2017102889	192.168.1.1

Try to Connect auto marking Server Using Your WebClient
URL=> <http://0:56560/onos/v1/devices>

- * Socket will be living for 10minutes ONLY!
- * DO NOT USE COMMERCIAL WEB BROWSER (e.g. CHROME, Firefox and etc.)



Mission 1: GET Devices and Answer What the name of Devices is you got?

GET URL: <http://<server ip>:<port>/onos/v1/<devices/hosts/links/flows>>

First Hostname	Second Hostname
s1	s2


Mission 2: POST a device and a flow

POST URL: <http://<server ip>:<port>/onos/v1/<devices/flows>/post>

Mission 3: DELETE the device you just posted

DELETE URL: <http://<server ip>:<port>/onos/v1/<devices>/delete>

5. Result Page


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Step2. Check your Result

*Your Information

* Test Result