**Edx API**

1. Create Course

Action: POST /course/

Data: JSON ของ org/number/display\_name/run  
เช่น {"org":"SBS","number":"AAA101","display\_name":"AAA Course","run":"AAA2016"}

Return: JSON object  
  
url และ course\_key ถ้าสำเร็จ

{

"url": "/course/course-v1:SBS+AAA101+AAA2016",

"course\_key": "course-v1:SBS+AAA101+AAA2016"

}

Error ถ้าซ้ำหรือ อื่นๆ

{

"CourseErrMsg": "Please change either the organization or course number so that it is unique.",

"OrgErrMsg": "Please change either the organization or course number so that it is unique.",

"ErrMsg": "There is already a course defined with the same organization and course number. Please change either organization or course number to be unique."

}

Request:

POST http://edx.sbs-app.com:18010/course/ HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: WMljzC6A6wCV1V78VFMQeB3y24IUZds4

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/home/

Content-Length: 75

Cookie: csrftoken=WMljzC6A6wCV1V78VFMQeB3y24IUZds4; edxloggedin=true; sessionid=urz2tsdh8j4eptc9oxjwdz3u4wp543k3; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"org":"SBS","number":"AAA101","display\_name":"AAA Course","run":"AAA2016"}

Response:

HTTP/1.1 200 OK

…

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 100

{

"url": "/course/course-v1:SBS+AAA101+AAA2016",

"course\_key": "course-v1:SBS+AAA101+AAA2016"

}

1. Create Section

Action: POST /xblock/

Data: JSON ของ parent\_locator (เป็น id ของคอร์ส)/category=”chapter”/display\_name  
{"parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@course+block@course","category":"chapter","display\_name":"Section"}

Return: JSON object  
 {

"locator": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a",

"courseKey": "course-v1:SBS+AAA101+AAA2016"

}

Request:

POST http://edx.sbs-app.com:18010/xblock/ HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: WMljzC6A6wCV1V78VFMQeB3y24IUZds4

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016

Content-Length: 119

Cookie: csrftoken=WMljzC6A6wCV1V78VFMQeB3y24IUZds4; edxloggedin=true; sessionid=urz2tsdh8j4eptc9oxjwdz3u4wp543k3; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@course+block@course","category":"chapter","display\_name":"Section"}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:24 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 146

{

"locator": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a",

"courseKey": "course-v1:SBS+AAA101+AAA2016"

}

1. Read Course Structure

Action: GET /xblock/outline/block-v1:SBS+AAA101+AAA2016+type@course+block@course

\*Course\_id อยู่ตรงขีดเส้นใต้

Return: JSON object ของโครงสร้าง  
Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:24 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 2381

{

"has\_explicit\_staff\_lock": false,

"graded": false,

"explanatory\_message": null,

"actions": {

"draggable": true,

"childAddable": true,

"deletable": true

},

"id": "block-v1:SBS+AAA101+AAA2016+type@course+block@course",

"category": "course",

"published\_on": "Jun 27, 2016 at 05:19 UTC",

"display\_name": "AAA Course",

"due": null,

"studio\_url": "/course/course-v1:SBS+AAA101+AAA2016",

"start": "2030-01-01T00:00:00Z",

"edited\_on": "Jun 27, 2016 at 05:19 UTC",

"has\_changes": false,

"ancestor\_has\_staff\_lock": false,

"course\_graders": [

"Homework",

"Lab",

"Midterm Exam",

"Final Exam"

],

"due\_date": "",

"format": null,

"visibility\_state": null,

"released\_to\_students": false,

"staff\_only\_message": false,

"group\_access": {},

"release\_date": null,

"user\_partitions": [],

"child\_info": {

"category": "chapter",

"display\_name": "Section",

"children": [

{

"has\_explicit\_staff\_lock": false,

"graded": false,

"explanatory\_message": null,

"actions": {

"draggable": true,

"childAddable": true,

"deletable": true

},

"id": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a",

"category": "chapter",

"published\_on": "Jun 27, 2016 at 05:19 UTC",

"display\_name": "Section",

"due": null,

"studio\_url": "/course/course-v1:SBS+AAA101+AAA2016?show=block-v1%3ASBS%2BAAA101%2BAAA2016%2Btype%40chapter%2Bblock%407b761147b3f2420cb96c31eff038ca0a",

"start": "2030-01-01T00:00:00Z",

"edited\_on": "Jun 27, 2016 at 05:19 UTC",

"has\_changes": false,

"ancestor\_has\_staff\_lock": false,

"course\_graders": [

"Homework",

"Lab",

"Midterm Exam",

"Final Exam"

],

"due\_date": "",

"format": null,

"visibility\_state": "unscheduled",

"released\_to\_students": false,

"staff\_only\_message": false,

"group\_access": {},

"release\_date": null,

"user\_partitions": [],

"child\_info": {

"category": "sequential",

"display\_name": "Subsection",

"children": []

},

"published": true

}

]

},

"published": true

}

1. Edit Section Metadata (แก้ไขชื่อ section)

Action: POST /xblock/{section locator id}

เช่น  
POST /xblock/block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a

Data: JSON ของ data ที่เปลี่ยน  
{"metadata":{"display\_name":"Section1"}}

Return: JSON object

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a",

"metadata": {

"display\_name": "Section1"

}

}

Request:

POST http://edx.sbs-app.com:18010/xblock/block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

X-CSRFToken: WMljzC6A6wCV1V78VFMQeB3y24IUZds4

X-HTTP-Method-Override: PATCH

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016

Content-Length: 40

Cookie: csrftoken=WMljzC6A6wCV1V78VFMQeB3y24IUZds4; edxloggedin=true; sessionid=urz2tsdh8j4eptc9oxjwdz3u4wp543k3; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"metadata":{"display\_name":"Section1"}}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:27 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 163

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a",

"metadata": {

"display\_name": "Section1"

}

}

1. List Section Data

Action: GET /xblock/outline/{section locator id}

เช่น  
GET /xblock/outline/block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a

Return: JSON object

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:27 GMT

…

Content-Language: en

Content-Length: 1138

{

"has\_explicit\_staff\_lock": false,

"graded": false,

"explanatory\_message": null,

"actions": {

"draggable": true,

"childAddable": true,

"deletable": true

},

"id": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a",

"category": "chapter",

"published\_on": "Jun 27, 2016 at 05:19 UTC",

"display\_name": "Section1",

"due": null,

"studio\_url": "/course/course-v1:SBS+AAA101+AAA2016?show=block-v1%3ASBS%2BAAA101%2BAAA2016%2Btype%40chapter%2Bblock%407b761147b3f2420cb96c31eff038ca0a",

"start": "2030-01-01T00:00:00Z",

"edited\_on": "Jun 27, 2016 at 05:19 UTC",

"has\_changes": false,

"ancestor\_has\_staff\_lock": false,

"course\_graders": [

"Homework",

"Lab",

"Midterm Exam",

"Final Exam"

],

"due\_date": "",

"format": null,

"visibility\_state": "unscheduled",

"released\_to\_students": false,

"staff\_only\_message": false,

"group\_access": {},

"release\_date": null,

"user\_partitions": [],

"child\_info": {

"category": "sequential",

"display\_name": "Subsection",

"children": []

},

"published": true

}

1. Create SubSection

Action: POST /xblock/

Data: JSON ของ parent\_locator (id ของ section)/category=”sequential”/display\_name

{"parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a","category":"sequential","display\_name":"Subsection"}

Return: JSON object  
{

"locator": "block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce",

"courseKey": "course-v1:SBS+AAA101+AAA2016"

}

Request:

POST http://edx.sbs-app.com:18010/xblock/ HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: WMljzC6A6wCV1V78VFMQeB3y24IUZds4

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016

Content-Length: 152

Cookie: csrftoken=WMljzC6A6wCV1V78VFMQeB3y24IUZds4; edxloggedin=true; sessionid=urz2tsdh8j4eptc9oxjwdz3u4wp543k3; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a","category":"sequential","display\_name":"Subsection"}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:31 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 149

{

"locator": "block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce",

"courseKey": "course-v1:SBS+AAA101+AAA2016"

}

1. Edit SubSection (เหมือน section)

Action: POST /xblock/{section locator id}

เช่น  
POST /xblock/block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce

Data: JSON ของ data ที่เปลี่ยน  
{"metadata":{"display\_name":"Subsection1"}}

Return: JSON object

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce",

"metadata": {

"display\_name": "Subsection1"

}

}

Request:

POST http://edx.sbs-app.com:18010/xblock/block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

X-CSRFToken: WMljzC6A6wCV1V78VFMQeB3y24IUZds4

X-HTTP-Method-Override: PATCH

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016

Content-Length: 43

Cookie: csrftoken=WMljzC6A6wCV1V78VFMQeB3y24IUZds4; edxloggedin=true; sessionid=urz2tsdh8j4eptc9oxjwdz3u4wp543k3; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"metadata":{"display\_name":"Subsection1"}}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:34 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 169

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce",

"metadata": {

"display\_name": "Subsection1"

}

}

1. Add Unit (เหมือน section)

Action: POST /xblock/

Data: JSON ของ parent\_locator (เป็น id ของ subsection)/category=”vertical”/display\_name  
{"parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce","category":"vertical","display\_name":"Unit"}

Return: JSON object  
 {

"locator": "block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559",

"courseKey": "course-v1:SBS+AAA101+AAA2016"

}

Request:

POST http://edx.sbs-app.com:18010/xblock/ HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: WMljzC6A6wCV1V78VFMQeB3y24IUZds4

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016

Content-Length: 147

Cookie: csrftoken=WMljzC6A6wCV1V78VFMQeB3y24IUZds4; edxloggedin=true; sessionid=urz2tsdh8j4eptc9oxjwdz3u4wp543k3; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@sequential+block@99922ed06e4e47a8993ff05a869b46ce","category":"vertical","display\_name":"Unit"}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Mon, 27 Jun 2016 05:19:36 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 147

{

"locator": "block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559",

"courseKey": "course-v1:SBS+AAA101+AAA2016"

}

1. Section re-location (ย้ายตำแหน่ง section)

Action: PUT /xblock/block-v1:SBS+AAA101+AAA2016+type@course+block@course  
\* ขีดเส้นใต้คือ course id

Data: JSON ของ ลำดับของ section ทั้งหมด

{"children":["block-v1:SBS+AAA101+AAA2016+type@chapter+block@2d975966352849cfb93b26e15b94c82a","block-v1:SBS+AAA101+AAA2016+type@chapter+block@cfeb286b8df849e3b15c45a65486bad2","block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a"]}

Return: JSON object แสดงรายละเอียดของคอร์ส  
Request:

PUT http://edx.sbs-app.com:18010/xblock/block-v1:SBS+AAA101+AAA2016+type@course+block@course HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

X-CSRFToken: EyO0srIydQiNVSshi2wp9LstnQVTFC4w

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016?show=block-v1%3ASBS%2BAAA101%2BAAA2016%2Btype%40chapter%2Bblock%40cfeb286b8df849e3b15c45a65486bad2

Content-Length: 260

Cookie: csrftoken=EyO0srIydQiNVSshi2wp9LstnQVTFC4w; edxloggedin=true; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"; sessionid=pubnfj0ry0g0lojt8phwnnyjd47sg4ba

Connection: keep-alive

{"children":["block-v1:SBS+AAA101+AAA2016+type@chapter+block@2d975966352849cfb93b26e15b94c82a","block-v1:SBS+AAA101+AAA2016+type@chapter+block@cfeb286b8df849e3b15c45a65486bad2","block-v1:SBS+AAA101+AAA2016+type@chapter+block@7b761147b3f2420cb96c31eff038ca0a"]}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Tue, 28 Jun 2016 06:10:37 GMT

Content-Type: application/json

Connection: keep-alive

Content-Language: en

Content-Length: 793

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@course+block@course",

"metadata": {

"display\_name": "AAA Course",

"language": "en",

….

"cert\_html\_view\_enabled": true,

"discussion\_topics": {

"General": {

"id": "course"

}

},

"start": "2030-01-01T00:00:00Z"

}

}

1. Sub-Section re-location (ย้ายตำแหน่ง sub-section)

Action: PUT /xblock/block-v1:SBS+AAA101+AAA2016+type@chapter+block@cfeb286b8df849e3b15c45a65486bad2  
\* PUT ไปที่ block-id ของ section ที่ย้ายไปอยู่

Data: JSON ของ ลำดับของ sub-section ทั้งหมดใน section นั้น

{"children":["block-v1:SBS+AAA101+AAA2016+type@sequential+block@ad86694e2eb34892b494b548840e3891","block-v1:SBS+AAA101+AAA2016+type@sequential+block@1ba12da999ce4b078c5ded796221ec9f","block-v1:SBS+AAA101+AAA2016+type@sequential+block@5929df3933be4a9fbb1f151cc191e33a"]}

Return: JSON object แสดงรายละเอียดของ section  
Request:

PUT http://edx.sbs-app.com:18010/xblock/block-v1:SBS+AAA101+AAA2016+type@chapter+block@cfeb286b8df849e3b15c45a65486bad2 HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

X-CSRFToken: EyO0srIydQiNVSshi2wp9LstnQVTFC4w

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016?show=block-v1%3ASBS%2BAAA101%2BAAA2016%2Btype%40chapter%2Bblock%40cfeb286b8df849e3b15c45a65486bad2

Content-Length: 269

Cookie: csrftoken=EyO0srIydQiNVSshi2wp9LstnQVTFC4w; edxloggedin=true; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"; sessionid=pubnfj0ry0g0lojt8phwnnyjd47sg4ba

Connection: keep-alive

{"children":["block-v1:SBS+AAA101+AAA2016+type@sequential+block@ad86694e2eb34892b494b548840e3891","block-v1:SBS+AAA101+AAA2016+type@sequential+block@1ba12da999ce4b078c5ded796221ec9f","block-v1:SBS+AAA101+AAA2016+type@sequential+block@5929df3933be4a9fbb1f151cc191e33a"]}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Tue, 28 Jun 2016 05:54:55 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 163

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@chapter+block@cfeb286b8df849e3b15c45a65486bad2",

"metadata": {

"display\_name": "Section2"

}

}

1. Unit re-location (ย้ายตำแหน่ง unit)

Action: PUT /xblock/block-v1:SBS+AAA101+AAA2016+type@sequential+block@5929df3933be4a9fbb1f151cc191e33a  
\* PUT ไปที่ block-id ของ sub-section ที่ย้ายไปอยู่

Data: JSON ของ ลำดับของ unit ทั้งหมดใน sub-section นั้น

{"children":["block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559","block-v1:SBS+AAA101+AAA2016+type@vertical+block@682f07486c634e5f80adfbe1dd1f252c"]}

Return: JSON object แสดงรายละเอียดของ sub-section  
Request:

PUT http://edx.sbs-app.com:18010/xblock/block-v1:SBS+AAA101+AAA2016+type@sequential+block@5929df3933be4a9fbb1f151cc191e33a HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

X-CSRFToken: EyO0srIydQiNVSshi2wp9LstnQVTFC4w

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016?show=block-v1%3ASBS%2BAAA101%2BAAA2016%2Btype%40chapter%2Bblock%40cfeb286b8df849e3b15c45a65486bad2

Content-Length: 180

Cookie: csrftoken=EyO0srIydQiNVSshi2wp9LstnQVTFC4w; edxloggedin=true; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"; sessionid=pubnfj0ry0g0lojt8phwnnyjd47sg4ba

Connection: keep-alive

{"children":["block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559","block-v1:SBS+AAA101+AAA2016+type@vertical+block@682f07486c634e5f80adfbe1dd1f252c"]}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Tue, 28 Jun 2016 06:25:03 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 171

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@sequential+block@5929df3933be4a9fbb1f151cc191e33a",

"metadata": {

"display\_name": "Subsection2-2"

}

}

1. Block re-location (ย้ายตำแหน่ง xblock ภายใน unit)

Action: PUT /xblock/block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559  
\* PUT ไปที่ block-id ของ unit ที่มันอยู่

Data: JSON ของ ลำดับของ block ทั้งหมดใน unit นั้น

{"children":["block-v1:SBS+AAA101+AAA2016+type@problem+block@4381281409c246b1b43c798cdf9c8b74","block-v1:SBS+AAA101+AAA2016+type@html+block@f9444d7275d54c8a920fa96c22fe0dda","block-v1:SBS+AAA101+AAA2016+type@video+block@b799760d4022449b889ff7d0cd3f5428"]}

Return: JSON object แสดงรายละเอียดของ unit   
Request:

PUT http://edx.sbs-app.com:18010/xblock/block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559 HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json

X-CSRFToken: EyO0srIydQiNVSshi2wp9LstnQVTFC4w

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/container/block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559

Content-Length: 255

Cookie: csrftoken=EyO0srIydQiNVSshi2wp9LstnQVTFC4w; edxloggedin=true; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"; sessionid=pubnfj0ry0g0lojt8phwnnyjd47sg4ba

Connection: keep-alive

{"children":["block-v1:SBS+AAA101+AAA2016+type@problem+block@4381281409c246b1b43c798cdf9c8b74","block-v1:SBS+AAA101+AAA2016+type@html+block@f9444d7275d54c8a920fa96c22fe0dda","block-v1:SBS+AAA101+AAA2016+type@video+block@b799760d4022449b889ff7d0cd3f5428"]}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Tue, 28 Jun 2016 06:30:24 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 161

{

"data": null,

"id": "block-v1:SBS+AAA101+AAA2016+type@vertical+block@08cefb076e3d495b89c2a99813d01559",

"metadata": {

"display\_name": "Unit1"

}

}

1. Reindex course

Action: GET /course/course-v1:SBS+AAA101+AAA2016/search\_reindex  
\* course-id ขีดเส้นใต้

Return: JSON object บอกสถานะ

Request:

GET http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016/search\_reindex HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Macintosh; Intel Mac OS X 10.11; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: EyO0srIydQiNVSshi2wp9LstnQVTFC4w

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course/course-v1:SBS+AAA101+AAA2016

Cookie: csrftoken=EyO0srIydQiNVSshi2wp9LstnQVTFC4w; edxloggedin=true; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"; sessionid=pubnfj0ry0g0lojt8phwnnyjd47sg4ba

Connection: keep-alive

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Tue, 28 Jun 2016 08:30:46 GMT

Content-Type: application/json; charset=utf-8

Connection: keep-alive

Vary: Accept-Encoding

Vary: Cookie, Accept-Language

X-Frame-Options: ALLOW

Content-Language: en

Set-Cookie: csrftoken=EyO0srIydQiNVSshi2wp9LstnQVTFC4w; expires=Tue, 27-Jun-2017 08:30:46 GMT; Max-Age=31449600; Path=/

Content-Length: 59

{"user\_message": "Course has been successfully reindexed."}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. Add new HTML Block in unit

Action: POST /xblock/

Data: JSON ของ parent\_locator (เป็น id ของ Unit)/category=”html”

{

"category":"html",

"parent\_locator":"block-v1:SBS+XDBII+XDBII2016+type@vertical+block@e641853f9aaa484e9fbcf1e5b9f01b91"

}

Return: JSON object  
{

"locator": "block-v1:SBS+XDBII+XDBII2016+type@html+block@f66764a7a505462e83b44592f3d62f2d",

"courseKey": "course-v1:SBS+XDBII+XDBII2016"

}

Request:

POST /xblock/ HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: 48xVLYnJW203kHb5EmKsvoMRqPVKRMsY

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/container/block-v1:SBS+XDBII+XDBII2016+type@vertical+block@e641853f9aaa484e9fbcf1e5b9f01b91?action=new

Content-Length: 120

Cookie: csrftoken=48xVLYnJW203kHb5EmKsvoMRqPVKRMsY; edxloggedin=true; sessionid=4nwh725jun9m21xzbgbqplps5ymlgbgm; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"category":"html","parent\_locator":"block-v1:SBS+XDBII+XDBII2016+type@vertical+block@e641853f9aaa484e9fbcf1e5b9f01b91"}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Fri, 22 Jul 2016 06:07:22 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 145

{

"locator": "block-v1:SBS+XDBII+XDBII2016+type@html+block@f66764a7a505462e83b44592f3d62f2d",

"courseKey": "course-v1:SBS+XDBII+XDBII2016"

}

1. Save/Update HTML content

Action: POST /xblock/{block-id ของ html-block} เช่น  
POST /xblock/block-v1%3ASBS%2BXDBII%2BXDBII2016%2Btype%40html%2Bblock%40f66764a7a505462e83b44592f3d62f2d

Data: JSON ของ properties ต่างๆ ข้อความจะอยู่ใน data

{"id":"block-v1:SBS+XDBII+XDBII2016+type@html+block@f66764a7a505462e83b44592f3d62f2d",

"courseKey":"course-v1:SBS+XDBII+XDBII2016",

"category":"html",

"display\_name":"Text",

"data":"<p>aaaaa</p>\n<p></p>\n<p></p>\n<p>bbbbb</p>\n<p></p>\n<p></p>\n<p></p>\n<p>ccccc</p>",

"metadata":{},

"studio\_url":null,

"child\_info":null,"ancestor\_info":null,"edited\_on":null,"edited\_by":null,"published":null,"published\_on":null,"published\_by":null,"has\_changes":null,"visibility\_state":null,"released\_to\_students":null,"release\_date":null,"release\_date\_from":null,"currently\_visible\_to\_students":null,"due\_date":null,"format":null,"course\_graders":null,"graded":null,"start":null,"due":null,"has\_explicit\_staff\_lock":null,"ancestor\_has\_staff\_lock":null,"staff\_lock\_from":null,"staff\_only\_message":null,"has\_content\_group\_components":null,"actions":null,"is\_header\_visible":null,"explanatory\_message":null,"group\_access":null,"user\_partitions":null

}

Return: JSON object

{

"data": "<p>aaaaa</p>\n<p></p>\n<p></p>\n<p>bbbbb</p>\n<p></p>\n<p></p>\n<p></p>\n<p>ccccc</p>",

"id": "block-v1:SBS+XDBII+XDBII2016+type@html+block@f66764a7a505462e83b44592f3d62f2d",

"metadata": {}

}

Request:

POST /xblock/block-v1%3ASBS%2BXDBII%2BXDBII2016%2Btype%40html%2Bblock%40f66764a7a505462e83b44592f3d62f2d HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:47.0) Gecko/20100101 Firefox/47.0

…

Connection: keep-alive

{"id":"block-v1:SBS+XDBII+XDBII2016+type@html+block@f66764a7a505462e83b44592f3d62f2d","courseKey":"course-v1:SBS+XDBII+XDBII2016","category":"html","display\_name":"Text","data":"<p>aaaaa</p>\n<p></p>\n<p></p>\n<p>bbbbb</p>\n<p></p>\n<p></p>\n<p></p>\n<p>ccccc</p>","metadata":{},"studio\_url":null,"child\_info":null,"ancestor\_info":null,"edited\_on":null,"edited\_by":null,"published":null,"published\_on":null,"published\_by":null,"has\_changes":null,"visibility\_state":null,"released\_to\_students":null,"release\_date":null,"release\_date\_from":null,"currently\_visible\_to\_students":null,"due\_date":null,"format":null,"course\_graders":null,"graded":null,"start":null,"due":null,"has\_explicit\_staff\_lock":null,"ancestor\_has\_staff\_lock":null,"staff\_lock\_from":null,"staff\_only\_message":null,"has\_content\_group\_components":null,"actions":null,"is\_header\_visible":null,"explanatory\_message":null,"group\_access":null,"user\_partitions":null}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Fri, 22 Jul 2016 06:09:23 GMT

Content-Type: application/json

…

Content-Language: en

Content-Length: 210

{

"data": "<p>aaaaa</p>\n<p></p>\n<p></p>\n<p>bbbbb</p>\n<p></p>\n<p></p>\n<p></p>\n<p>ccccc</p>",

"id": "block-v1:SBS+XDBII+XDBII2016+type@html+block@f66764a7a505462e83b44592f3d62f2d",

"metadata": {}

}

1. Add new VIDEO Block in unit

Action: POST /xblock/

Data: JSON ของ parent\_locator (เป็น id ของ Unit)/category=”video”/type=”video”

{

"category":"video",

"type":"video",

"parent\_locator":"block-v1:SBS+XDBII+XDBII2016+type@vertical+block@e641853f9aaa484e9fbcf1e5b9f01b91"

}

Return: JSON object  
{

"locator": "block-v1:SBS+XDBII+XDBII2016+type@video+block@dfdc86b64a47417c9098fc4c6c86f03c",

"courseKey": "course-v1:SBS+XDBII+XDBII2016"

}

Request:

POST /xblock/ HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

Accept-Language: en-US,en;q=0.5

Accept-Encoding: gzip, deflate

Content-Type: application/json; charset=utf-8

X-CSRFToken: 48xVLYnJW203kHb5EmKsvoMRqPVKRMsY

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/container/block-v1:SBS+XDBII+XDBII2016+type@vertical+block@e641853f9aaa484e9fbcf1e5b9f01b91?action=new

Content-Length: 136

Cookie: csrftoken=48xVLYnJW203kHb5EmKsvoMRqPVKRMsY; edxloggedin=true; sessionid=4nwh725jun9m21xzbgbqplps5ymlgbgm; edx-user-info="{\"username\": \"staff\"\054 \"version\": 1\054 \"email\": \"staff@example.com\"\054 \"header\_urls\": {\"logout\": \"http://edx.sbs-app.com:18010/logout\"}}"

Connection: keep-alive

{"category":"video","type":"video","parent\_locator":"block-v1:SBS+XDBII+XDBII2016+type@vertical+block@e641853f9aaa484e9fbcf1e5b9f01b91"}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Fri, 22 Jul 2016 06:16:37 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 146

{

"locator": "block-v1:SBS+XDBII+XDBII2016+type@video+block@dfdc86b64a47417c9098fc4c6c86f03c",

"courseKey": "course-v1:SBS+XDBII+XDBII2016"

}

1. Save/Update VIDEO content

Action: POST /xblock/{block-id ของ video-block} เช่น  
POST /xblock/block-v1%3ASBS%2BXDBII%2BXDBII2016%2Btype%40video%2Bblock%40dfdc86b64a47417c9098fc4c6c86f03c

Data: JSON ของ properties ต่างๆ ข้อความจะอยู่ใน data

{

"id":"block-v1:SBS+XDBII+XDBII2016+type@video+block@dfdc86b64a47417c9098fc4c6c86f03c",

"courseKey":"course-v1:SBS+XDBII+XDBII2016",

"category":"video",

"display\_name":"Video",

"metadata":{

"display\_name":"myVideo",

"sub":"",

"html5\_sources":[],

"youtube\_id\_1\_0":"WSinMOs5eGw"

},

"studio\_url":null,"child\_info":null,"ancestor\_info":null,"edited\_on":null,"edited\_by":null,"published":null,"published\_on":null,"published\_by":null,"has\_changes":null,"visibility\_state":null,"released\_to\_students":null,"release\_date":null,"release\_date\_from":null,"currently\_visible\_to\_students":null,"due\_date":null,"format":null,"course\_graders":null,"graded":null,"start":null,"due":null,"has\_explicit\_staff\_lock":null,"ancestor\_has\_staff\_lock":null,"staff\_lock\_from":null,"staff\_only\_message":null,"has\_content\_group\_components":null,"actions":null,"is\_header\_visible":null,"explanatory\_message":null,"group\_access":null,"user\_partitions":null

}

Return: JSON object

{

"data": null,

"id": "block-v1:SBS+XDBII+XDBII2016+type@video+block@dfdc86b64a47417c9098fc4c6c86f03c",

"metadata": {

"download\_video": false,

"youtube\_id\_1\_0": "WSinMOs5eGw",

"display\_name": "myVideo",

"sub": "",

"html5\_sources": []

}

}

Request:

POST /xblock/block-v1%3ASBS%2BXDBII%2BXDBII2016%2Btype%40video%2Bblock%40dfdc86b64a47417c9098fc4c6c86f03c HTTP/1.1

Host: edx.sbs-app.com:18010

User-Agent: Mozilla/5.0 (Windows NT 6.1; WOW64; rv:47.0) Gecko/20100101 Firefox/47.0

Accept: application/json, text/javascript, \*/\*; q=0.01

…

Connection: keep-alive

{"id":"block-v1:SBS+XDBII+XDBII2016+type@video+block@dfdc86b64a47417c9098fc4c6c86f03c","courseKey":"course-v1:SBS+XDBII+XDBII2016","category":"video","display\_name":"Video","metadata":{"display\_name":"myVideo","sub":"","html5\_sources":[],"youtube\_id\_1\_0":"WSinMOs5eGw"},"studio\_url":null,"child\_info":null,"ancestor\_info":null,"edited\_on":null,"edited\_by":null,"published":null,"published\_on":null,"published\_by":null,"has\_changes":null,"visibility\_state":null,"released\_to\_students":null,"release\_date":null,"release\_date\_from":null,"currently\_visible\_to\_students":null,"due\_date":null,"format":null,"course\_graders":null,"graded":null,"start":null,"due":null,"has\_explicit\_staff\_lock":null,"ancestor\_has\_staff\_lock":null,"staff\_lock\_from":null,"staff\_only\_message":null,"has\_content\_group\_components":null,"actions":null,"is\_header\_visible":null,"explanatory\_message":null,"group\_access":null,"user\_partitions":null}

Response:

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Fri, 22 Jul 2016 06:19:47 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 271

{

"data": null,

"id": "block-v1:SBS+XDBII+XDBII2016+type@video+block@dfdc86b64a47417c9098fc4c6c86f03c",

"metadata": {

"download\_video": false,

"youtube\_id\_1\_0": "WSinMOs5eGw",

"display\_name": "myVideo",

"sub": "",

"html5\_sources": []

}

}

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* :: Update 17 – 8 – 59 :: \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

1. ดึงค่าของแต่ละ object

GET '/xblock/{block\_id}';

1. SETTING

ดึงค่ามาแสดง

GET /settings/details/{{course\_id}}

แก้ไขข้อมูล

POST /settings/details//{{course\_id}}

|  |
| --- |
| {  "license": null,  "run": "Demo\_Course",  "end\_date": null,  "language": "th",  "syllabus": null,  "overview": "",  "course\_image\_name": "images\_course\_image.jpg",  "entrance\_exam\_minimum\_score\_pct": "50",  "enrollment\_start": null,  "enrollment\_end": null,  "entrance\_exam\_id": "",  "short\_description": "",  "entrance\_exam\_enabled": "",  "course\_id": "DemoX",  "org": "edX",  "course\_image\_asset\_path": "/asset-v1:edX+DemoX+Demo\_Course+type@asset+block@images\_course\_image.jpg",  "pre\_requisite\_courses": [],  "effort": null,  "start\_date": "2013-02-05T05:00:00Z",  "self\_paced": false,  "intro\_video": null  } |