**Edx API (Problem: Dropdown)**

1. **Add Problem (Text Input)**

Action: POST /xblock/

Parameter: boilerplate ชื่อเทมเพลท = optionresponse.yaml , category = problem,   
parent\_locator = id ของ unit เช่น

{"boilerplate":"optionresponse.yaml","category":"problem","parent\_locator":"block-v1:SBS+DB103+2016\_T1+type@vertical+block@1ac38e1f46ed432ca639255a9ebfde43"}

Return: JSON ของ block-id เช่น

{

"locator": "block-v1:SBS+DB103+2016\_T1+type@problem+block@235f7b1fa09048e6ac8ea3ea1c3ce820",

"courseKey": "course-v1:SBS+DB103+2016\_T1"

}

**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: MP6jX3J5ximNv4ny6SxJLKNzWI5AWlSP

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/container/block-v1:SBS+DB103+2016\_T1+type@vertical+block@1ac38e1f46ed432ca639255a9ebfde43?action=new

Content-Length: 157

Cookie: csrftoken=MP6jX3J5ximNv4ny6SxJLKNzWI5AWlSP; sessionid=ahzdhntxa3c5phshoypiy2eu6qnb5gh2

Connection: keep-alive

{"boilerplate":"optionresponse.yaml","category":"problem","parent\_locator":"block-v1:SBS+DB103+2016\_T1+type@vertical+block@1ac38e1f46ed432ca639255a9ebfde43"}

**Response:**

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Wed, 17 Aug 2016 08:56:12 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 144

{

"locator": "block-v1:SBS+DB103+2016\_T1+type@problem+block@235f7b1fa09048e6ac8ea3ea1c3ce820",

"courseKey": "course-v1:SBS+DB103+2016\_T1"

}

1. **Save/Update Problem (DropDown)**

Action: POST /xblock/{encodeURIComponent(block-id)}  
เช่น POST /xblock/block-v1%3ASBS%2BDB103%2B2016\_T1%2Btype%40problem%2Bblock%40235f7b1fa09048e6ac8ea3ea1c3ce820

Header: ต้องระบุ header  
X-HTTP-Method-Override: PUT

Parameter: JSON รายละเอียดของคำถามคำตอบ

{

"id":" block-v1:SBS+DB103+2016\_T1+type@problem+block@235f7b1fa09048e6ac8ea3ea1c3ce820",

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

"category":"problem",

"display\_name":"Dropdown",

"data":"":"<problem>\n<p> Which of the following countries celebrates its independence on August 15?</p>\n\n \n<optionresponse>\n <optioninput label=\"Which of the following countries celebrates its independence on August 15?\" options=\"('India','Spain','China','Bermuda')\" correct=\"India\"></optioninput>\n</optionresponse>\n\n <solution>\n<div class=\"detailed-solution\">\n<p>Explanation</p>\n\n<p> India became an independent nation on August 15, 1947.</p>\n \n</div>\n</solution>\n\n</problem>",

"metadata":{"markdown":">>Which of the following countries celebrates its independence on August 15?<<\n\n [[(India), Spain, China, Bermuda]]\n\n [explanation]\n India became an independent nation on August 15, 1947.\n [explanation]\n "},

"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 ของรายละเอียด

**Request:**

POST /xblock/block-v1%3ASBS%2BDB103%2B2016\_T1%2Btype%40problem%2Bblock%40235f7b1fa09048e6ac8ea3ea1c3ce820 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

X-CSRFToken: MP6jX3J5ximNv4ny6SxJLKNzWI5AWlSP

X-HTTP-Method-Override: PUT

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/container/block-v1:SBS+DB103+2016\_T1+type@vertical+block@1ac38e1f46ed432ca639255a9ebfde43?action=new

Content-Length: 1563

Cookie: csrftoken=MP6jX3J5ximNv4ny6SxJLKNzWI5AWlSP; sessionid=ahzdhntxa3c5phshoypiy2eu6qnb5gh2

Connection: keep-alive

{"id":"block-v1:SBS+DB103+2016\_T1+type@problem+block@235f7b1fa09048e6ac8ea3ea1c3ce820","courseKey":"course-v1:SBS+DB103+2016\_T1","category":"problem","display\_name":"Dropdown","data":"<problem>\n<p> Which of the following countries celebrates its independence on August 15?</p>\n\n \n<optionresponse>\n <optioninput label=\"Which of the following countries celebrates its independence on August 15?\" options=\"('India','Spain','China','Bermuda')\" correct=\"India\"></optioninput>\n</optionresponse>\n\n <solution>\n<div class=\"detailed-solution\">\n<p>Explanation</p>\n\n<p> India became an independent nation on August 15, 1947.</p>\n \n</div>\n</solution>\n\n</problem>","metadata":{"markdown":" >>Which of the following countries celebrates its independence on August 15?<<\n\n [[(India), Spain, China, Bermuda]]\n\n [explanation]\n India became an independent nation on August 15, 1947.\n [explanation]\n"},"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: Wed, 17 Aug 2016 09:00:02 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 883

{

"data": "<problem>\n<p> Which of the following countries celebrates its independence on August 15?</p>\n\n \n<optionresponse>\n <optioninput label=\"Which of the following countries celebrates its independence on August 15?\" options=\"('India','Spain','China','Bermuda')\" correct=\"India\"></optioninput>\n</optionresponse>\n\n <solution>\n<div class=\"detailed-solution\">\n<p>Explanation</p>\n\n<p> India became an independent nation on August 15, 1947.</p>\n \n</div>\n</solution>\n\n</problem>",

"id": "block-v1:SBS+DB103+2016\_T1+type@problem+block@235f7b1fa09048e6ac8ea3ea1c3ce820",

"metadata": {

"markdown": " >>Which of the following countries celebrates its independence on August 15?<<\n\n [[(India), Spain, China, Bermuda]]\n\n [explanation]\n India became an independent nation on August 15, 1947.\n [explanation]\n",

"display\_name": "Dropdown"

}

}

1. **Rerun Course**

Action: POST /course/

Parameter:

source\_course\_key = course key ของคอร์สต้นแบบ

org = หน่วยงาน (ใหม่/หรือคงเดิม)

number = รหัสวิชา(ใหม่/หรือคงเดิม)

display\_name = ชื่อวิชา (ใหม่/หรือคงเดิม)

run = course run (ใหม่/หรือคงเดิม)

เช่น

{

"source\_course\_key":"course-v1:SBS+DB103+2016\_T1",

"org":"SBS",

"number":"DB103",

"display\_name":"Advance Database Rerun",

"run":"2016\_T2"

}

Return: JSON Object  
{

"url": "/course/",

"destination\_course\_key": "course-v1:SBS+DB103+2016\_T2"

}

ถ้า error จะ return

{

"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 /course/ 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: vmwEWC31CXxIzBLVV6wJNVERqh2S3pi0

X-Requested-With: XMLHttpRequest

Referer: http://edx.sbs-app.com:18010/course\_rerun/course-v1:SBS+DB103+2016\_T1

Content-Length: 136

Cookie: csrftoken=vmwEWC31CXxIzBLVV6wJNVERqh2S3pi0; 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=3m2jcq067384n9yzhgodjopo2eivjfs4

Connection: keep-alive

{"source\_course\_key":"course-v1:SBS+DB103+2016\_T1","org":"SBS","number":"DB103","display\_name":"Advance Database Rerun","run":"2016\_T2"}

**Response:**

HTTP/1.1 200 OK

Server: nginx/1.1.19

Date: Fri, 05 Aug 2016 05:19:58 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 83

{

"url": "/course/",

"destination\_course\_key": "course-v1:SBS+DB103+2016\_T2"

}