**Edx API (Problem: Text Input)**

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

Action: POST /xblock/

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

{"boilerplate":" string\_response.yaml","category":"problem","parent\_locator":"block-v1:SBS+AAA101+AAA2016+type@vertical+block@2715e09acc1f4aa88d5956fa1393c9d6"}

Return: JSON ของ block-id เช่น

{

"locator": "block-v1:SBS+DB103+2016\_T1+type@problem+block@0b15917b11e043449792f41549310ce5",

"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: 158

Cookie: csrftoken=MP6jX3J5ximNv4ny6SxJLKNzWI5AWlSP; sessionid=ahzdhntxa3c5phshoypiy2eu6qnb5gh2

Connection: keep-alive

{"boilerplate":"string\_response.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 06:12:19 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@0b15917b11e043449792f41549310ce5",

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

}

1. **Save/Update Problem (Text input)**

Action: POST /xblock/{encodeURIComponent(block-id)}  
เช่น POST /xblock/block-v1%3ASBS%2BDB103%2B2016\_T1%2Btype%40problem%2Bblock%40f2720ca77cf847b2b71d3cf80dab9d24

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

Parameter: JSON รายละเอียดของคำถามคำตอบ

{

"id":"block-v1:SBS+AAA101+AAA2016+type@problem+block@e473ec63545240b6ab9b99a585b348ae",

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

"category":"problem",

"display\_name":"Text Input",

"data":"":"<problem>\n<p>In text input problems, also known as \"fill-in-the-blank\" problems, learners enter text into a response field. The text can include letters and characters such as punctuation marks. The text that the learner enters must match your specified answer text exactly. You can specify more than one correct answer. Learners must enter a response that matches one of the correct answers exactly.</p>\n\n<p>When you add the problem, be sure to select Settings to specify a Display Name and other values that apply.</p>\n\n<p>You can use the following example problem as a model.</p>\n\n<p>What was the first post-secondary school in China to allow both male and female students?</p>\n\n<stringresponse answer=\"Nanjing Higher Normal Institute\" type=\"ci\" >\n <additional\_answer answer=\"National Central University\"></additional\_answer>\n <additional\_answer answer=\"Nanjing University\"></additional\_answer>\n <additional\_answer answer=\"Nanging University\"></additional\_answer>\n <textline label=\"What was the first post-secondary school in China to allow both male and female students?\" size=\"20\"/>\n</stringresponse>\n\n<solution>\n<div class=\"detailed-solution\">\n<p>Explanation</p>\n\n<p>Nanjing Higher Normal Institute first admitted female students in 1920.</p>\n\n</div>\n</solution>\n\n</problem>",

"metadata":{"markdown":"In text input problems, also known as \"fill-in-the-blank\" problems, learners enter text into a response field. The text can include letters and characters such as punctuation marks. The text that the learner enters must match your specified answer text exactly. You can specify more than one correct answer. Learners must enter a response that matches one of the correct answers exactly.\n\nWhen you add the problem, be sure to select Settings to specify a Display Name and other values that apply.\n\nYou can use the following example problem as a model.\n\n>>What was the first post-secondary school in China to allow both male and female students?<<\n\n= Nanjing Higher Normal Institute\nor= National Central University\nor= Nanjing University\nor= Nanging University\n\n[explanation]\nNanjing Higher Normal Institute first admitted female students in 1920.\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%40f2720ca77cf847b2b71d3cf80dab9d24 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: 3069

Cookie: csrftoken=MP6jX3J5ximNv4ny6SxJLKNzWI5AWlSP; sessionid=ahzdhntxa3c5phshoypiy2eu6qnb5gh2

Connection: keep-alive

{"id":"block-v1:SBS+DB103+2016\_T1+type@problem+block@f2720ca77cf847b2b71d3cf80dab9d24","courseKey":"course-v1:SBS+DB103+2016\_T1","category":"problem","display\_name":"Text Input","data":"<problem>\n<p>In text input problems, also known as \"fill-in-the-blank\" problems, learners enter text into a response field. The text can include letters and characters such as punctuation marks. The text that the learner enters must match your specified answer text exactly. You can specify more than one correct answer. Learners must enter a response that matches one of the correct answers exactly.</p>\n\n<p>When you add the problem, be sure to select Settings to specify a Display Name and other values that apply.</p>\n\n<p>You can use the following example problem as a model.</p>\n\n<p>What was the first post-secondary school in China to allow both male and female students?</p>\n\n<stringresponse answer=\"Nanjing Higher Normal Institute\" type=\"ci\" >\n <additional\_answer answer=\"National Central University\"></additional\_answer>\n <additional\_answer answer=\"Nanjing University\"></additional\_answer>\n <additional\_answer answer=\"Nanging University\"></additional\_answer>\n <textline label=\"What was the first post-secondary school in China to allow both male and female students?\" size=\"20\"/>\n</stringresponse>\n\n<solution>\n<div class=\"detailed-solution\">\n<p>Explanation</p>\n\n<p>Nanjing Higher Normal Institute first admitted female students in 1920.</p>\n\n</div>\n</solution>\n\n</problem>","metadata":{"markdown":"In text input problems, also known as \"fill-in-the-blank\" problems, learners enter text into a response field. The text can include letters and characters such as punctuation marks. The text that the learner enters must match your specified answer text exactly. You can specify more than one correct answer. Learners must enter a response that matches one of the correct answers exactly.\n\nWhen you add the problem, be sure to select Settings to specify a Display Name and other values that apply.\n\nYou can use the following example problem as a model.\n\n>>What was the first post-secondary school in China to allow both male and female students?<<\n\n= Nanjing Higher Normal Institute\nor= National Central University\nor= Nanjing University\nor= Nanging University\n\n[explanation]\nNanjing Higher Normal Institute first admitted female students in 1920.\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 06:37:29 GMT

Content-Type: application/json

Connection: keep-alive

Vary: Accept-Encoding

Vary: Accept-Language, Cookie

X-Frame-Options: ALLOW

Content-Language: en

Content-Length: 2389

{

"data": "<problem>\n<p>In text input problems, also known as \"fill-in-the-blank\" problems, learners enter text into a response field. The text can include letters and characters such as punctuation marks. The text that the learner enters must match your specified answer text exactly. You can specify more than one correct answer. Learners must enter a response that matches one of the correct answers exactly.</p>\n\n<p>When you add the problem, be sure to select Settings to specify a Display Name and other values that apply.</p>\n\n<p>You can use the following example problem as a model.</p>\n\n<p>What was the first post-secondary school in China to allow both male and female students?</p>\n\n<stringresponse answer=\"Nanjing Higher Normal Institute\" type=\"ci\" >\n <additional\_answer answer=\"National Central University\"></additional\_answer>\n <additional\_answer answer=\"Nanjing University\"></additional\_answer>\n <additional\_answer answer=\"Nanging University\"></additional\_answer>\n <textline label=\"What was the first post-secondary school in China to allow both male and female students?\" size=\"20\"/>\n</stringresponse>\n\n<solution>\n<div class=\"detailed-solution\">\n<p>Explanation</p>\n\n<p>Nanjing Higher Normal Institute first admitted female students in 1920.</p>\n\n</div>\n</solution>\n\n</problem>",

"id": "block-v1:SBS+DB103+2016\_T1+type@problem+block@f2720ca77cf847b2b71d3cf80dab9d24",

"metadata": {

"markdown": "In text input problems, also known as \"fill-in-the-blank\" problems, learners enter text into a response field. The text can include letters and characters such as punctuation marks. The text that the learner enters must match your specified answer text exactly. You can specify more than one correct answer. Learners must enter a response that matches one of the correct answers exactly.\n\nWhen you add the problem, be sure to select Settings to specify a Display Name and other values that apply.\n\nYou can use the following example problem as a model.\n\n>>What was the first post-secondary school in China to allow both male and female students?<<\n\n= Nanjing Higher Normal Institute\nor= National Central University\nor= Nanjing University\nor= Nanging University\n\n[explanation]\nNanjing Higher Normal Institute first admitted female students in 1920.\n[explanation]\n",

"display\_name": "Text Input"

}

}

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"

}