

Test report

RESTful APIs testing report	
Purpose	1.Survey what RESTful APIs can work normally in the backend system. 2.Fix identified issues. 3.Record the response of APIs by sending various http requests as output.
Tool	Postman
Version (commit SHA)	6d2be04

Title	Definition
<i>Route URL</i>	The URL address where frond-end components should send to
<i>Request method</i>	Indicating desired type of action to be formed for the API, such as GET , POST , PATCH , and DELETE
<i>Result</i>	Whether the API passed the test, presents in three status showed below
<i>Role</i>	Defined by auth_token in Http request header. It can be moderator, student, or administrator
<i>Input</i>	The parameters of Http request
<i>Output</i>	The response from the API

PASSED

 = With proper input parameters, the route can respond with right response

PENDING

 = Currently unable to perform test

FAILED

 = Http response status code is not in range of 200-299 or API responds incorrect keys or values of parameters

User Route						
Route URL	Request method	Result	Role			NOTE
				input	output	

user /home	GET	PASSED	M o d e r a t o r	<pre>{ "success": true, "user": { "is_moderator": true, "is_admin": true, "subscribed_tools": [], "subscribed_subjects": [], "moderated_subjects": [{ "sections": [], "_id": "606083b87b65dc15d07f941e", "name": "Test", "subject_code": "TEST10001", "description": "abcd", "created_by": "60532e8d7ba3514b576ebb23", "__v": 0 }], "articles": [], "images": [], "_id": "60532e8d7ba3514b576ebb23", "account": "admin2", "password": "\$2b\$10\$ /Dz5oh3ttr1j6r6 /ISHRMOsHbnV4YYPYAet9CN O0X1qAr679zG0.K", "student_number": "845462", "__v": 13 } }</pre>
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user/ allUsers	GET	PASSED	Moderator	<pre>{ "60532e8d7ba3514b576ebb23": { "is_moderator": true, "is_admin": true, "subscribed_tools": [], "subscribed_subjects": [], "moderated_subjects": ["606083b87b65dc15d07f941e"], "articles": [], "images": [], "_id": "60532e8d7ba3514b576ebb23", "account": "admin2", "password": "\$2b\$10\$/Dz5oh3ttr1j6r6/ISHRMOsHbnV4YYPYAet9CN00X1qAr679zG0.K", "student_number": "845462", "__v": 13 }, "608527c03670cb11b968d288": { "is_moderator": false, "is_admin": false, "subscribed_tools": [], "subscribed_subjects": [], "moderated_subjects": [], "articles": [], "images": [], "_id": "608527c03670cb11b968d288", "account": "Peter", "password": "\$2b\$10\$/GnZRDJulPmSkepDQ8UIAunIvwXFT7XesX.5FU7q.IO0L9ShskD7a", "student_number": "Peter", "__v": 0 }, "6087e186772dbcda43307818": { "is_moderator": false, "is_admin": false, "subscribed_tools": [], "subscribed_subjects": [], "moderated_subjects": [], "articles": [], "images": [], "_id": "6087e186772dbcda43307818", "account": "STUDENTA", "password": "\$2b\$10\$HFIR3.sx6HPCgtizNfbDH.oiOO7ZVjWapY3amVZd63awdlSAwZHY6", "student_number": "12345678", "__v": 0 } }</pre>	
user/ images	GET	PENDING	Moderator	<pre>{ "success": true, "images": [] }</pre>	Need to upload image first to test this func.

user/ add	POST	PASSED	M o d e r a t o r	<pre>{ "name": "chaowei", "account": "ACCOUNT", "username": "USERNAME", "password": "a123", "studentId": "1136000" }</pre>	<pre>{ "success": true, "user": { "is_moderator": false, "is_admin": false, "subscribed_tools": [], "subscribed_subjects": [], "moderated_subjects": [], "articles": [], "images": [], "_id": "6088cf3c772dbcda4330781c", "name": "chaowei", "account": "a12345", "password": "\$2b\$10\$5TFz/6lq9g9Azr3Dx58ske3GVZVD85.nMs8H2jK/MT1Es/OTrXp8i", "__v": 0 } }</pre>	
user/ uplo ad	POST	PENDING				
user/ com men ts	GET	PASSED	M o d e r a t o r		<pre>{ "success": true, "comments": [{ "leaf_comments": [], "likes": [], "_id": "6088d18e772dbcda4330781e", "author_id": "60532e8d7ba3514b576ebb23", "content": "comment_test", "section_id": "6086627ca6d43bae8a872d16", "create_at": "2021-04-28T03:07:58.476Z", "update_at": "2021-04-28T03:07:58.477Z", "author_name": "testName", "user_avatat": "testAvatar", "root_comment_id": "6088d18e772dbcda4330781e", "__v": 0 }] }</pre>	author_name and user_avatat are set to be user's name and avatar, however these two parameter are not required. To avoid error, I assign them to be testName and testAvatar. Need to be fixed.

user/ subscribe	PATCH	PASSED	Moderator	<pre>{ "subject_id": "605337ea55631157f25addef" }</pre>	<pre>{ "success": true, "user": { "is_moderator": true, "is_admin": true, "subscribed_tools": [], "subscribed_subjects": ["605337ea55631157f25addef"], "moderated_subjects": ["605337ea55631157f25addef"], "articles": [], "images": [], "_id": "60532e8d7ba3514b576ebb23", "account": "admin2", "password": "\$2b\$10\$/Dz5oh3ttr1j6r6/SHRMOsHbnV4YYPYAet9CN00X1qAr679zG0.K", "student_number": "845462", "__v": 14 } }</pre>	
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Comment Route

Route URL	Request method	Result	Role	Parameters		Note
				input	output	
comment/ add	POST	PASSED	Moderator	<pre>{ "author_id": "60532e8d7ba3514b576ebb23", "content": "comment_test", "section_id": "6086627ca6d43bae8a872d16" }</pre>	<pre>{ "success": true, "comment": { "leaf_comments": [], "likes": [], "_id": "6088d18e772dbcd4330781e", "author_id": "60532e8d7ba3514b576ebb23", "content": "comment_test", "section_id": "6086627ca6d43bae8a872d16" }, "create_at": "2021-04-28T03:07:58.476Z", "update_at": "2021-04-28T03:07:58.477Z", "author_name": "testName", "user_avatat": "testAvatar", "root_comment_id": "6088d18e772dbcd4330781e", "__v": 0 }</pre>	
comment/ delete	DELETE	PASSED	Moderator	<pre>{ "_id": "6088da2e772dbcd4330781f" }</pre>	<pre>{ "success": true, "comment": "Successfully delete the comment" }</pre>	

comment/ all	GET	PASSED	Moderator		<pre>{ "success": true, "comments": [{ "leaf_comments": [], "likes": [], "_id": "6088d18e772dbcda4330781e", "author_id": "60532e8d7ba3514b576ebb23", "content": "comment_test", "section_id": "6086627ca6d43bae8a872d16", "create_at": "2021-04-28T03:07:58.476Z", "update_at": "2021-04-28T03:07:58.477Z", "author_name": "testName", "user_avatat": "testAvatar", "root_comment_id": "6088d18e772dbcda4330781e", "__v": 0 }] }</pre>	
comment/	GET	PASSED	Moderator	{ "_id": "6088d18e772dbcda4330781e" }	<pre>{ "success": true, "comment": { "leaf_comments": [], "likes": [], "_id": "6088d18e772dbcda4330781e", "author_id": "60532e8d7ba3514b576ebb23", "content": "comment_test", "section_id": "6086627ca6d43bae8a872d16", , "create_at": "2021-04-28T03:07:58.476Z", "update_at": "2021-04-28T03:07:58.477Z", "author_name": "testName", "user_avatat": "testAvatar", "root_comment_id": "6088d18e772dbcda4330781e", "__v": 0 } }</pre>	

comment/patch	PATCH	PASSED	Moderator	<pre>{ "_id": "6088d18e772dbcd4330781e", "content": "change content la" }</pre>	<pre>{ "success": true, "comment": { "leaf_comments": [], "likes": [], "_id": "6088d18e772dbcd4330781e", "author_id": "60532e8d7ba3514b576ebb23", "content": "change content la", "section_id": "6086627ca6d43bae8a872d16", "create_at": "2021-04-28T03:07:58.476Z", "update_at": "2021-04-28T04:04:36.073Z", "author_name": "testName", "user_avatat": "testAvatar", "root_comment_id": "6088d18e772dbcd4330781e", "__v": 0 } }</pre>	
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Section Route

Route URL	Request method	Result	Role	Parameters		Note
				input	output	
section/add	POST	PASSED	Moderator	<pre>{ "subject_code": "SUBJECT", "type": "tags", "owner": "605337ea55631157f25addef", "name": "section_testing" }</pre>	<pre>{ "success": true, "section": { "tools": [], "articles": [], "comments": [], "_id": "6088e5e7e11e6eefbfe4e043", "subject_code": "SUBJECT", "type": "tags", "owner": "605337ea55631157f25addef", "name": "section_testing", "__v": 0 } }</pre>	
section/delete	DELETE	PASSED	Moderator	<pre>{ "_id": "6088e63ae11e6eefbfe4e044", "subject_code": "SUBJECT" }</pre>	<pre>{ "success": true, "result": "Successfully delete the section" }</pre>	

Tool Route						
Route URL	Request	Result	Role	Parameters		Note
	method			input	output	
tool/add	POST	PASSED	Moderator	{"name": "tool_test"}	{ "success": true, "tool": { "articles": [], "_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test", "__v": 0 } }	
tool/delete	DELETE	PASSED	Moderator	{ "_id": "6088eb86e11e6eefbfe4e046" }	{ "success": true, "tool": "Successfully delete the tool" }	
tool/all	GET	PASSED	Moderator		{ "success": true, "tool": [{ "articles": [], "_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test", "__v": 0 }] }	
tool/search	GET	PASSED	Moderator	{"name": "tool_test"}	{ "success": true, "tool": [{ "articles": [], "_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test", "__v": 0 }] }	

tool/:name	GET	<div>PASSED</div>	Moderator	<div>Path Variables</div> <table><tr><td>key</td><td>value</td></tr><tr><td>name</td><td>tool_test</td></tr></table>	key	value	name	tool_test	<pre>{ "success": true, "tool": [{ "articles": [], "_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test", "__v": 0 }]}</pre>	
key	value									
name	tool_test									
tool/	GET	<div>PASSED</div>	Moderator	<pre>{"_id": "6088eb86e11e6eefbfe4e045"}</pre>	<pre>{ "success": true, "tool": { "articles": [], "_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test", "__v": 0 } }</pre>					
tool/patch	PATCH	<div>PASSED</div>	Moderator	<pre>{"_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test_change_name"}</pre>	<pre>{ "success": true, "tool": { "articles": [], "_id": "6088eb86e11e6eefbfe4e045", "name": "tool_test_change_name", "__v": 0 } }</pre>					

Subject Route						
Route URL	Request method	Result	Role	Parameter		Note
				input	output	

subject/add	POST	PASSED	Moderator	{ "sections": [], "name": "test_subj", "subject_code": "comp900test", "description": "test_content" }	{ "success": true, "subject": { "sections": [], "_id": "6088f1ffe11e6eefbfe4e047", "name": "test_subj", "subject_code": "COMP900TEST", "description": "test_content", "created_by": "60532e8d7ba3514b576ebb23", "__v": 0 } }	
subject/delete	DELETE	PASSED	Moderator	{ "_id": "6088f234e11e6eefbfe4e048" }	{ "success": true }	
subject/all	GET	PASSED	Moderator		[{ "sections": ["608661d7a6d43bae8a872d15", "6086627ca6d43bae8a872d16", "6088e5e7e11e6eefbfe4e043", "6088e63ae11e6eefbfe4e044"], "_id": "605337ea55631157f25addef", "name": "231451", "subject_code": "SUBJECT", "description": "15151", "created_by": "60532e8d7ba3514b576ebb23", "__v": 4 }]	

subject/ search	GET	PASSED	Moderator	{ "name": "test_subj" }	{ "success": true, "subjects": [{ "sections": [], "_id": "6088f1ffe11e6eefbfe4e047", "name": "test_subj", "subject_code": "COMP900TEST", "description": "test_content", "created_by": "60532e8d7ba3514b576ebb23", "__v": 0 }] }				
subject/: subject_code	GET	PASSED	Moderator	Path Variables <table><tr><td>key</td><td>value</td></tr><tr><td>subject_code</td><td>SUBJECT</td></tr></table>	key	value	subject_code	SUBJECT	{ "success": true, "subject": { "sections": [{ "tools": [], "articles": [], "comments": [{ "leaf_comments": [], "likes": [], "_id": "6088d18e772dbcd4330781e", , "author_id": "60532e8d7ba3514b576ebb23", "content": "change content la", "section_id": "6086627ca6d43bae8a872d16", "create_at": "2021-04-28T03:07:58.476Z", "update_at": "2021-04-28T04:04:36.073Z", "author_name": "testName", "user_avatat": "testAvatar", "root_comment_id": "6088d18e772dbcd4330781e", "__v": 0 }], }, "_id": "6086627ca6d43bae8a872d16", "subject_code": "SUBJECT", }] }
key	value								
subject_code	SUBJECT								

					<pre>"type": "tag", "owner": "605337ea55631157f25addef", "name": "section88", "__v": 3 }, { "tools": [], "articles": [], "comments": [], "_id": "6088e5e7e11e6eefbfe4e043", "subject_code": "SUBJECT", "type": "tags", "owner": "605337ea55631157f25addef", "name": "section_testing", "__v": 0 }], "_id": "605337ea55631157f25addef", "name": "231451", "subject_code": "SUBJECT", "description": "15151", "created_by": "60532e8d7ba3514b576ebb23", "__v": 4 }, "is_subscribed": true }</pre>
subject/	GET	PASSED	Moderator		<pre>{ "success": true, "subject": { "sections": [], "_id": "6088f1ffe11e6eefbfe4e047", "name": "test_subj", "subject_code": "COMP900TEST", "description": "test_content", "created_by": "60532e8d7ba3514b576ebb23", "__v": 0 } }</pre>

article/create	GET	PASSED	mod erat or		<pre>{ "success": true, "is_exist": false, "tagsForSubjects": ["SUBJECT", "TEST10001", "COMP90030", "COMP90011", "COMP90015", "SWEN90016", "SUBJECT_NEW"], "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2MDUzMmU4ZDdiYT", "M1MTRiNTc2Z", "WJiMjMiLCJfbW9kZXJhdG9ylj", "p0cnVILCJfYW", "RtaW4iOmZhbnHNILCJpYXQiOiE", "2MTk1MTY1N", "zF9.G7o6EpqtuCXHUDfLskq5", "6odtyt01774Xl_p", "ur97PkWE" }</pre>	
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article/delete/:id	GET	<div>PASSED</div>	mod erat or	<div>Path Variables</div> <table><tr><td>key</td><td>value</td></tr><tr><td>id</td><td>608900bee11e6eefbf e4e04b</td></tr></table>	key	value	id	608900bee11e6eefbf e4e04b	<div>{ "success": true, "reason": "success", "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ faWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2Z WJiMjMiLCJfbW9kZXJhdG9yIj p0cnVILCJfYW RtaW4iOmZhbnNlLCJpYXQiOiE 2MTk1MTY1N zF9.G7o6EpqtuCXHUDfLskq5 6odtyt01774Xl_p ur97PkWE" }</div>
key	value								
id	608900bee11e6eefbf e4e04b								

article/edit/:id	GET	<div>PASSED</div>	mod erat or	<div>Path Variables</div> <table><tr><td>key</td><td>value</td></tr><tr><td>id</td><td>6088ff73e11e6eefbfe4e049</td></tr></table>	key	value	id	6088ff73e11e6eefbfe4e049	<div><pre>{ "success": true, "tagsForSubjects": ["SUBJECT", "WQFRQF", "TEST10001", "12345", "COMP90030", "SDSD", "COMP90011", "COMP90015", "SWEN90016", "00001", "E234567", "SUBJECT_NEW"], "tagsForTools": ["tool_test_change_name"], "returnValuesForArticle": { "title": "TEST_ARTICLE", "content": "TEST CONTENT", "id": "6088ff73e11e6eefbfe4e049" }, "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2ZWJiMjMiLCJfbW9kZXJhdG9yIj p0cnVILCJfYW RtaW4iOmZhbnNlLCJpYXQiOiJl 2MTk1MTY1N zF9.G7o6EpqtuCXHUDfLsq5 6odtyt01774Xl_p ur97PkWE" }</pre></div>
key	value								
id	6088ff73e11e6eefbfe4e049								

article/pendingArticle /reject/:pending_id	GET	<div>PASSED</div>	mod erat or	<div>Path Variables</div> <table><tr><td>key</td><td>value</td></tr><tr><td>id</td><td>6089092fcd68ccf5631df16e</td></tr></table>	key	value	id	6089092fcd68ccf5631df16e	{ "success": true , "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ faWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2Z WJiMjMiLCJfbW9kZXJhdG9ylj p0cnVILCJfYW RtaW4iOmZhbnNlLCJpYXQiOiE 2MTk1MTY1N zF9.G7o6EpqtuCXHUDfLskq5 6odtyt01774Xl_p ur97PkWE" }
key	value								
id	6089092fcd68ccf5631df16e								

article/pendingArticle
/approve/:pending_id

GET

PASSED

mod
erat
or

Path Variables

key	value
id	60890c77cd68ccf5631df16f

{

 "success": true,

 "article": {
 "subjects": [
 "SUBJECT_NEW"
],
 "tools": [],
 "tags": [
 "SUBJECT_NEW"
],
 "is_pending": false,
 "likes": [],

 "_id": "60890e49c5953ff7ea5fdb1b",

 "create_at": "2021-04-28T07:27:05.590Z",

 "title": "TEST_ARTICLE_PENDING_v2",

 "author_id": "607e3dc93142f800904978b8",

 "content": "TEST CONTENT",

 "comment_section": "60890e49c5953ff7ea5fdb1c",

 "__v": 0
 },

 "auth_token":

 "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ
faWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2Z
WJiMiJmILCJfbW9kZXJhdG9yIj p0cnVILCJfYW
RtaW4iOmZhbnHNILCJpYXQiOiJE 2MTk1MTY1N
zF9.G7o6EpqtuCXHRUDflSkq5 6odtyt01774XI_p
ur97PkWE"
}

article/getPendingArticle/:id	GET	<div>PASSED</div>	mod erat or	<div>Path Variables</div> <table><tr><td>key</td><td>value</td></tr><tr><td>id</td><td>6089092fcd68ccf5631df16e</td></tr></table>	key	value	id	6089092fcd68ccf5631df16e	<div>{ "success": true, "returnValuesForArticle": { "title": "TEST_ARTICLE_P ENDING", "date": "2021-04-28T07:05: 19.005Z", "content": "TEST CONTENT", "id": "6089092fcd68ccf563 1df16e", "tools": [], "tags": ["SUBJECT_NEW"] }, "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ faWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2Z WJiMjMiLCJfbW9kZXJhdG9yIj p0cnVILCJfYW RtaW4iOmZhbHNILCJpYXQiOiE 2MTk1MTY1N zF9.G7o6EpqtuCXHUDfLskq5 6odtyt01774Xl_p ur97PkWE" }</div>
key	value								
id	6089092fcd68ccf5631df16e								

article /getNamesOfPendingArticles/ : subject_code_Or_Tool_name	GET	PASSED	mod erat or	Path Variables <table><tr><td>key</td><td>value</td></tr><tr><td>subject_code_Or_Tool_name</td><td>SUBJECT_NEW</td></tr></table>	key	value	subject_code_Or_Tool_name	SUBJECT_NEW	{ "success": true, "articles": [{ "name": "TEST_ARTICLE_PENDING", "id": "6089092fcd68ccf5631df16e" }], "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJfaWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2ZWJiMjMiLCJfbW9kZXJhdG9yIj p0cnVILCJfYW RtaW4iOmZhbnHNILCJpYXQiOiE 2MTk1MTY1N zF9.G7o6EpqtuCXHUDfLskq5 6odtyt01774Xl_p ur97PkWE" }
key	value								
subject_code_Or_Tool_name	SUBJECT_NEW								

article /getAllPendingArticlesByUserId	GET	PASSED	Student	{ "success": true, "articles": [{ "name": "TEST_ARTICLE_PENDING", "id": "60879cb9772dbcd a43307816" }, { "name": "TEST_ARTICLE_PENDING", 'id': "6089092fcd68ccf5 631df16e" }], "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9 eyJfaWQiOiIyMDdIM2RjOTMxNDJmODAwOTA0OTc0IiwiaWF0IjoiYnVlZS9lcmljaWwzZWxzZXNjbWVudCkiOjE2MTkzNDU0fQ.d9_WrSCG4EuF80SbVfrLeicOEKjFFIP4HiCqJS4YMUA" }
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article /getAllPublishedArticlesBy UserId	GET	PASSED	mod erat or		{ "success": true, "articles": [{ "name": "TEST_ARTICL E_V2", "id": "60878f16ec7c73d5 c0a757a8" }, { "name": "TEST_ARTICL E", "id": "6088ff73e11e6eef bfe4e049" }, { "name": "TEST_ARTICL E_new", "id": "60890394e11e6ee fbfe4e04d" }], "auth_token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9.eyJ faWQiOiI2MDUzMmU4ZDdiYT M1MTRiNTc2Z WJiMjMiLCJfbW9kZXJhdG9yIj p0cnVILCJfYW RtaW4iOmZhbnN1LCJpYXQiOiJE 2MTk1MTY1N zF9.G7o6EpqtuCXHUDfLskq5 6odtyt01774Xl_p ur97PkWE" }	
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