

TS_Menu_Service

Execution Environment

Host name	PC - LAPTOP-UBH8UTE5
Local OS	Windows 11 64bit
Katalon version	10.4.2.0
Browser	
Device name	

Summary

ID	Test Suites/TS_API/TS_Menu_Service		
Description			
Total	4		
Passed	4	Failed	0
Error	0	Incomplete	0
Skipped	0		
Start	29-11-2025 21:07:28	End	29-11-2025 21:07:34
Elapsed	5.960s		

#	ID	Description	Status
1	Test Cases/API/Menu-Service/TC01_Get_All_Menu_Items		PASSED
2	Test Cases/API/Menu-Service/TC02_Create_Menu_Item		PASSED
3	Test Cases/API/Menu-Service/TC05_Update_Menu_Item		PASSED
4	Test Cases/API/Menu-Service/TC04_Delete_Menu_Item		PASSED

TC01_Get_All_Menu_Items

Information

ID	Test Cases/API/Menu-Service/TC01_Get_All_Menu_Items		
Description			
Tag			
Start	29-11-2025 21:07:28	End	29-11-2025 21:07:30
Elapsed	2.035s		
Status	PASSED		

Details

#	Description	Elapsed	Status
1	println("=" * 70)	0.017s	PASSED
2	println("TEST: Get All Menu Items")	0.006s	PASSED
3	println("URL: http://localhost:3002/menu")	0.004s	PASSED
4	println("=" * 70)	0.005s	PASSED
5	println("[STEP 1] Sending GET request...")	0.003s	PASSED
6	println("-" * 70)	0.001s	PASSED
7	response = sendRequest(findTestObject("API/Menu-Service/getMenu"))	0.933s	PASSED
Send request successfully			

TC01_Get_All_Menu_Items

#	Description	Elapsed	Status
8	println(" [STEP 2] Verifying status code...")	0.002s	PASSED
9	println("-" * 70)	0.003s	PASSED
10	verifyResponseStatusCode(response, 200) Verify response status code successfully	0.023s	PASSED
11	println(" Status Code: 200 OK")	0.001s	PASSED
12	println(" [STEP 3] Verifying response time...")	0.004s	PASSED
13	println("-" * 70)	0.002s	PASSED
14	responseTime = response.getElapsedTime()	0.010s	PASSED
15	assert responseTime < 3000	0.004s	PASSED
16	println(Response Time: \$responseTimernms (< 3000ms))	0.038s	PASSED
17	println(" [STEP 4] Verifying content type...")	0.002s	PASSED

TC01_Get_All_Menu_Items

#	Description	Elapsed	Status
18	println("-" * 70)	0.003s	PASSED
19	contentType = getHeaderFields().get("Content-Type")[0]	0.009s	PASSED
20	assert contentType.contains("application/json")	0.012s	PASSED
21	println(" Content-Type: application/json")	0.003s	PASSED
22	println("[STEP 5] Parsing response...")	0.002s	PASSED
23	println("-" * 70)	0.002s	PASSED
24	responseText = response.getResponseText()	0.001s	PASSED
25	assert responseText != null && responseText.length() > 0 : "Response body is empty"	0.003s	PASSED
26	jsonResponse = JsonSlurper().parseText(responseText)	0.031s	PASSED
27	assert jsonResponse instanceof java.util.Map : "Response is not JSON object"	0.002s	PASSED

TC01_Get_All_Menu_Items

#	Description	Elapsed	Status
28	println(" Response is JSON Object")	0.003s	PASSED
29	println("[STEP 6] Verifying data field...")	0.002s	PASSED
30	println("-" * 70)	0.003s	PASSED
31	assert data != null : "data field is missing"	0.014s	PASSED
32	assert data instanceof java.util.List : "data is not an array"	0.002s	PASSED
33	println(" data field exists and is an array")	0.004s	PASSED
34	menuItems = data	0.002s	PASSED
35	if (menuItems.size() > 0)	0.122s	PASSED
36	println("[STEP 7] Verifying pagination...")	0.002s	PASSED
37	println("-" * 70)	0.002s	PASSED

TC01_Get_All_Menu_Items

#	Description	Elapsed	Status
38	assert pagination != null : "pagination field is missing"	0.001s	PASSED
39	pagination = pagination	0.003s	PASSED
40	assert currentPage != null : "currentPage is missing"	0.004s	PASSED
41	assert totalPages != null : "totalPages is missing"	0.005s	PASSED
42	assert totalItems != null : "totalItems is missing"	0.002s	PASSED
43	assert limit != null : "limit is missing"	0.003s	PASSED
44	println(" Pagination structure is valid")	0.002s	PASSED
45	println(" Pagination Info:")	0.001s	PASSED
46	println(- Current Page: \$pagination.currentPage)	0.002s	PASSED
47	println(- Total Pages: \$pagination.totalPages)	0.003s	PASSED

TC01_Get_All_Menu_Items

#	Description	Elapsed	Status
48	println(- Total Items: \$pagination.totalItems)	0.001s	PASSED
49	println(- Limit: \$pagination.limit)	0.002s	PASSED
50	assert menuItems.size() <= limit : "Items exceed limit"	0.002s	PASSED
51	println(Items count (\$menuItems.size()) <= limit (\$pagination.limit))	0.008s	PASSED
52	println(" " + "=" * 70)	0.003s	PASSED
53	println(" TEST PASSED ")	0.001s	PASSED
54	println("=" * 70)	0.004s	PASSED
55	println("Summary:")	0.001s	PASSED
56	println(- Total Menu Items: \$pagination.totalItems)	0.003s	PASSED
57	println(- Items on Page: \$menuItems.size())	0.002s	PASSED

TC01_Get_All_Menu_Items

#	Description	Elapsed	Status
58	println(- Response Time: \$responseTimems)	0.002s	PASSED
59	println("=" * 70)	0.001s	PASSED

TC02_Create_Menu_Item

Information

ID	Test Cases/API/Menu-Service/TC02_Create_Menu_Item		
Description			
Tag			
Start	29-11-2025 21:07:30	End	29-11-2025 21:07:32
Elapsed	1.409s		
Status	PASSED		

Details

#	Description	Elapsed	Status
1	println("=" * 70)	0.000s	PASSED
2	println("TEST: Create Menu Item")	0.002s	PASSED
3	println("=" * 70)	0.002s	PASSED
4	println("[STEP 1] Setting up test data...")	0.001s	PASSED
5	println("-" * 70)	0.001s	PASSED
6	newMenuItem = ["name":"Ph bò c bit", "ingredients":["bánh ph", "tht bò", "hành lá", "nc dùng"], "instructions":["un sôi nc dùng", "Chn bánh ph", "Thêm tht bò"], ...]	0.002s	PASSED
7	println("Test Data:")	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
8	println(- Name: \$newMenuItem.name)	0.009s	PASSED
9	println(- Cuisine: \$newMenuItem.cuisine)	0.002s	PASSED
10	println(- Price: \$newMenuItem.price)	0.002s	PASSED
11	println(- Servings: \$newMenuItem.servings)	0.003s	PASSED
12	println(- Prep Time: \$newMenuItem.prepTimeMinutes mins)	0.003s	PASSED
13	println(- Cook Time: \$newMenuItem.cookTimeMinutes mins)	0.003s	PASSED
14	println(- Difficulty: \$newMenuItem.difficulty)	0.001s	PASSED
15	println(- Rating: \$newMenuItem.rating)	0.004s	PASSED
16	println("[STEP 2] Request body preview...")	0.002s	PASSED
17	println("-" * 70)	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
18	requestBodyJson = JsonOutput.toJson(newMenuItem)	0.029s	PASSED
19	println(JsonOutput.prettyPrint(requestBodyJson))	0.018s	PASSED
20	println("[STEP 3] Sending POST request...")	0.002s	PASSED
21	println("-" * 70)	0.003s	PASSED
22	response = sendRequest(findTestObject("API/Menu-Service/postFood", newMenuItem)) Send request successfully	0.093s	PASSED
23	println("[STEP 4] Verifying status code...")	0.002s	PASSED
24	println("-" * 70)	0.002s	PASSED
25	statusCode = response.getStatusCode()	0.001s	PASSED
26	println(Status Code: \$statusCode)	0.002s	PASSED
27	assert statusCode == 200 statusCode == 201	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
28	if (statusCode == 201)	0.004s	PASSED
29	println("[STEP 5] Verifying response time...")	0.003s	PASSED
30	println("-" * 70)	0.002s	PASSED
31	responseTime = response.getElapsedTime()	0.002s	PASSED
32	println(Response Time: \$responseTime)	0.001s	PASSED
33	assert responseTime < 5000	0.002s	PASSED
34	println(" Response time is acceptable")	0.002s	PASSED
35	println("[STEP 6] Parsing response...")	0.002s	PASSED
36	println("-" * 70)	0.001s	PASSED
37	responseText = response.getResponseText()	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
38	assert responseText != null && trim().length() > 0 : "Response body is empty"	0.002s	PASSED
39	println(" Response body is not empty")	0.002s	PASSED
40	jsonResponse = JsonSlurper().parseText(responseText)	0.001s	PASSED
41	println(" Response is valid JSON")	0.002s	PASSED
42	println("[STEP 7] Verifying simple response format... ")	0.003s	PASSED
43	println("-" * 70)	0.001s	PASSED
44	createdItemId = null	0.003s	PASSED
45	assert jsonResponse instanceof java.util.Map : "Response is not a JSON object"	0.001s	PASSED
46	assert message != null : "Missing field: message"	0.003s	PASSED
47	assert id != null : "Missing field: id"	0.002s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
48	assert toLowerCase().contains("created")	0.003s	PASSED
49	createdItemId = id	0.002s	PASSED
50	println(" Response format is correct")	0.002s	PASSED
51	println(- message: \$jsonResponse.message)	0.001s	PASSED
52	println(- id: \$createdItemId)	0.002s	PASSED
53	assert createdItemId > 0 : "Invalid ID returned"	0.001s	PASSED
54	createdItem = ["id":createdItemId, "name":name, "price":price, "cuisine":cuisine, "difficulty":difficulty, "rating":rating, "reviewCount":reviewCount, ...]	0.002s	PASSED
55	println(" Created Item object is initialized from request data")	0.002s	PASSED
56	println("[STEP 8] Verifying required fields...")	0.002s	PASSED
57	println("-" * 70)	0.003s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
58	println(createdItem)	0.003s	PASSED
59	assert id != null : "id is missing"	0.002s	PASSED
60	println(id: \$createdItem.id)	0.003s	PASSED
61	assert name != null : "name is missing"	0.001s	PASSED
62	assert name == name	0.002s	PASSED
63	println(name: \$createdItem.name (matches))	0.002s	PASSED
64	assert ingredients != null : "ingredients is missing"	0.002s	PASSED
65	assert ingredients instanceof java.util.List : "ingredients is not array"	0.001s	PASSED
66	assert ingredients.size() == ingredients.size() : "Ingredients count mismatch"	0.002s	PASSED
67	println(ingredients: \$createdItem.ingredients.size() items (matches))	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
68	assert instructions != null : "instructions is missing"	0.001s	PASSED
69	assert instructions instanceof java.util.List : "instructions is not array"	0.002s	PASSED
70	assert instructions.size() == instructions.size() : "Instructions count mismatch"	0.002s	PASSED
71	println(instructions: \$createdItem.instructions.size() steps (matches))	0.001s	PASSED
72	assert prepTimeMinutes == prepTimeMinutes : "prepTimeMinutes mismatch"	0.002s	PASSED
73	println(prepTimeMinutes: \$createdItem.prepTimeMinutes (matches))	0.002s	PASSED
74	assert cookTimeMinutes == cookTimeMinutes : "cookTimeMinutes mismatch"	0.002s	PASSED
75	println(cookTimeMinutes: \$createdItem.cookTimeMinutes (matches))	0.002s	PASSED
76	assert servings == servings : "servings mismatch"	0.002s	PASSED
77	println(servings: \$createdItem.servings (matches))	0.002s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
78	assert caloriesPerServing == caloriesPerServing : "caloriesPerServing mismatch"	0.002s	PASSED
79	println(caloriesPerServing: \$createdItem.caloriesPerServing (matches))	0.001s	PASSED
80	assert price == price : "price mismatch"	0.002s	PASSED
81	println(price: \$createdItem.price (matches))	0.002s	PASSED
82	assert difficulty == difficulty : "difficulty mismatch"	0.001s	PASSED
83	println(difficulty: \$createdItem.difficulty (matches))	0.002s	PASSED
84	assert cuisine == cuisine : "cuisine mismatch"	0.001s	PASSED
85	println(cuisine: \$createdItem.cuisine (matches))	0.002s	PASSED
86	assert rating == rating : "rating mismatch"	0.001s	PASSED
87	println(rating: \$createdItem.rating (matches))	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
88	assert reviewCount == reviewCount : "reviewCount mismatch"	0.001s	PASSED
89	println(reviewCount: \$createdItem.reviewCount (matches))	0.002s	PASSED
90	if (tags != null)	0.006s	PASSED
91	if (mealType != null)	0.011s	PASSED
92	println(" [STEP 9] Verifying created item with GET request...")	0.002s	PASSED
93	println("-" * 70)	0.002s	PASSED
94	Thread.sleep(500)	0.535s	PASSED
95	getResponse = sendRequest(findTestObject("API/Menu-Service/getFoodById", ["itemId":id])) Send request successfully	0.039s	PASSED
96	verifyResponseStatusCode(getResponse, 200) Verify response status code successfully	0.004s	PASSED
97	verifyItem = JsonSlurper().parseText(getResponse.getResponseText())	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
98	assert id == id : "ID mismatch in verification"	0.000s	PASSED
99	assert name == name : "Name mismatch in verification"	0.001s	PASSED
100	assert price == price : "Price mismatch in verification"	0.000s	PASSED
101	println(" Created item verified via GET request")	0.001s	PASSED
102	println(- ID: \$verifyItem.id)	0.000s	PASSED
103	println(- Name: \$verifyItem.name)	0.002s	PASSED
104	println(- Price: \$verifyItem.price)	0.001s	PASSED
105	println("[STEP 10] Created Menu Item Details...")	0.000s	PASSED
106	println("-" * 70)	0.000s	PASSED
107	println(\$createdItem.name)	0.002s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
108	println("=" * 70)	0.002s	PASSED
109	println("Basic Information:")	0.000s	PASSED
110	println(- ID: \$createdItem.id)	0.001s	PASSED
111	println(- Cuisine: \$createdItem.cuisine)	0.000s	PASSED
112	println(- Difficulty: \$createdItem.difficulty)	0.001s	PASSED
113	println(- Price: \$createdItem.price)	0.001s	PASSED
114	println(- Rating: \$createdItem.rating (\$createdItem.reviewCount reviews))	0.000s	PASSED
115	println("Nutritional & Time Info:")	0.002s	PASSED
116	println(- Calories per Serving: \$createdItem.caloriesPerServing cal)	0.001s	PASSED
117	println(- Prep Time: \$createdItem.prepTimeMinutes mins)	0.000s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
118	println(- Cook Time: \$createdItem.cookTimeMinutes mins)	0.001s	PASSED
119	println(- Total Time: \$(createdItem.prepTimeMinutes + createdItem.cookTimeMinutes) mins)	0.005s	PASSED
120	println(- Servings: \$createdItem.servings)	0.002s	PASSED
121	println(Ingredients (\$createdItem.ingredients.size():))	0.001s	PASSED
122	ingredients.forEachWithIndex({ java.lang.Object ingredient, java.lang.Object index -> ... })	0.006s	PASSED
123	println(Instructions (\$createdItem.instructions.size() steps):)	0.000s	PASSED
124	instructions.forEachWithIndex({ java.lang.Object instruction, java.lang.Object index -> ... })	0.003s	PASSED
125	if (tags)	0.001s	PASSED
126	if (mealType)	0.003s	PASSED
127	if (image)	0.001s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
128	println("[STEP 11] Cleaning up test data...")	0.001s	PASSED
129	println("-" * 70)	0.001s	PASSED
130	deleteResponse = sendRequest(findTestObject("API/Menu-Service/deleteFoodByID", ["itemId":id])) Send request successfully	0.047s	PASSED
131	deleteStatus = deleteResponse.getStatusCode()	0.001s	PASSED
132	if (deleteStatus == 200 deleteStatus == 204)	0.002s	PASSED
133	println(" " + "=" * 70)	0.002s	PASSED
134	println(" TEST PASSED ")	0.001s	PASSED
135	println("=" * 70)	0.000s	PASSED
136	println("Created Menu Item Summary:")	0.000s	PASSED
137	println(- ID: \$createdItem.id)	0.000s	PASSED

TC02_Create_Menu_Item

#	Description	Elapsed	Status
138	println(- Name: \$createdItem.name)	0.003s	PASSED
139	println(- Cuisine: \$createdItem.cuisine)	0.001s	PASSED
140	println(- Price: \$createdItem.price)	0.002s	PASSED
141	println(- Rating: \$createdItem.rating)	0.001s	PASSED
142	println(- Total Time: \$(createdItem.prepTimeMinutes + createdItem.cookTimeMinutes) mins)	0.001s	PASSED
143	println(" - Status: Created, verified, and cleaned up")	0.001s	PASSED
144	println("=" * 70)	0.000s	PASSED

TC05_Update_Menu_Item

Information

ID	Test Cases/API/Menu-Service/TC05_Update_Menu_Item		
Description			
Tag			
Start	29-11-2025 21:07:32	End	29-11-2025 21:07:33
Elapsed	0.854s		
Status	PASSED		

Details

#	Description	Elapsed	Status
1	println("=" * 70)	0.000s	PASSED
2	println("TEST: Update Menu Item")	0.003s	PASSED
3	println("=" * 70)	0.002s	PASSED
4	println("[STEP 1] Setting up test data...")	0.001s	PASSED
5	println("-" * 70)	0.002s	PASSED
6	itemId = 55	0.001s	PASSED
7	newCuisine = "VN"	0.001s	PASSED

TC05_Update_Menu_Item

#	Description	Elapsed	Status
8	newRating = 5.0	0.000s	PASSED
9	println("Test Data:")	0.002s	PASSED
10	println(- Item ID: \$itemId)	0.001s	PASSED
11	println(- New Cuisine: \$newCuisine)	0.001s	PASSED
12	println(- New Rating: \$newRating)	0.001s	PASSED
13	println("[STEP 2] Getting original item data...")	0.003s	PASSED
14	println("-" * 70)	0.001s	PASSED
15	getBeforeResponse = sendRequest(findTestObject("API/Menu-Service/getFoodById", ["itemId":itemId])) Send request successfully	0.025s	PASSED
16	verifyResponseStatusCode(getBeforeResponse, 200) Verify response status code successfully	0.005s	PASSED
17	originalItem = JsonSlurper().parseText(getBeforeResponse.getResponseText())	0.002s	PASSED

TC05_Update_Menu_Item

#	Description	Elapsed	Status
18	println("Original Data:")	0.002s	PASSED
19	println(- Name: \$originalItem.name)	0.002s	PASSED
20	println(- Cuisine: \$originalItem.cuisine)	0.001s	PASSED
21	println(- Rating: \$originalItem.rating)	0.002s	PASSED
22	println(- Price: \$originalItem.price)	0.001s	PASSED
23	println("[STEP 3] Sending PUT request...")	0.001s	PASSED
24	println("-" * 70)	0.002s	PASSED
25	updateResponse = sendRequest(findTestObject("API/Menu-Service/updateFoodInfo", ["itemId":itemId, "cuisine":newCuisine, "rating":newRating])) Send request successfully	0.033s	PASSED
26	println("[STEP 4] Verifying status code...")	0.001s	PASSED
27	println("-" * 70)	0.001s	PASSED

TC05_Update_Menu_Item

#	Description	Elapsed	Status
28	statusCode = updateResponse.getStatusCode()	0.000s	PASSED
29	assert statusCode == 200 statusCode == 204	0.000s	PASSED
30	if (statusCode == 200)	0.003s	PASSED
31	println("[STEP 5] Parsing update response...")	0.001s	PASSED
32	println("-" * 70)	0.001s	PASSED
33	updatedItem = null	0.001s	PASSED
34	if (statusCode == 200 && getResponseText().trim())	0.007s	PASSED
35	println("[STEP 6] Verifying update with GET request...")	0.001s	PASSED
36	println("-" * 70)	0.003s	PASSED
37	Thread.sleep(500)	0.506s	PASSED

TC05_Update_Menu_Item

#	Description	Elapsed	Status
38	getAfterResponse = sendRequest(findTestObject("API/Menu-Service/getFoodById", ["itemId":itemId])) Send request successfully	0.023s	PASSED
39	verifyResponseStatusCode(getAfterResponse, 200) Verify response status code successfully	0.005s	PASSED
40	verifyItem = JsonSlurper().parseText(getAfterResponse.getResponseText())	0.001s	PASSED
41	assert cuisine == newCuisine	0.000s	PASSED
42	assert rating == newRating	0.001s	PASSED
43	println(Verified Cuisine: \$verifyItem.cuisine)	0.000s	PASSED
44	println(Verified Rating: \$verifyItem.rating)	0.000s	PASSED
45	assert id == id : "ID changed unexpectedly"	0.000s	PASSED
46	assert name == name : "Name changed unexpectedly"	0.001s	PASSED
47	assert price == price : "Price changed unexpectedly"	0.000s	PASSED

TC05_Update_Menu_Item

#	Description	Elapsed	Status
48	println(" Other fields remain unchanged")	0.001s	PASSED
49	println("[STEP 7] Restoring original data...")	0.000s	PASSED
50	println("-" * 70)	0.000s	PASSED
51	restoreResponse = sendRequest(findTestObject("API/Menu-Service/updateFoodInfo", ["itemId":itemId, "cuisine":cuisine, "rating":rating])) Send request successfully	0.036s	PASSED
52	if (restoreResponse.getStatusCode() == 200 restoreResponse.getStatusCode() == 204)	0.004s	PASSED
53	println(" " + "=" * 70)	0.001s	PASSED
54	println(" TEST PASSED ")	0.001s	PASSED
55	println("=" * 70)	0.001s	PASSED
56	println("Update Summary:")	0.000s	PASSED
57	println(- Item ID: \$itemId)	0.000s	PASSED

TC05_Update_Menu_Item

#	Description	Elapsed	Status
58	println(- Item Name: \$originalItem.name)	0.001s	PASSED
59	println(- Cuisine: \$originalItem.cuisine \$newCuisine \$originalItem.cuisine)	0.000s	PASSED
60	println(- Rating: \$originalItem.rating \$newRating \$originalItem.rating)	0.002s	PASSED
61	println(" - Status: Update verified and restored")	0.000s	PASSED
62	println("=" * 70)	0.001s	PASSED

TC04_Delete_Menu_Item

Information

ID	Test Cases/API/Menu-Service/TC04_Delete_Menu_Item		
Description			
Tag			
Start	29-11-2025 21:07:33	End	29-11-2025 21:07:34
Elapsed	0.937s		
Status	PASSED		

Details

#	Description	Elapsed	Status
1	println("=" * 70)	0.000s	PASSED
2	println("TEST: Delete Menu Item")	0.000s	PASSED
3	println("=" * 70)	0.002s	PASSED
4	testItemId = null	0.000s	PASSED
5	try	0.768s	PASSED