CRM Test Cases

Notes API

POST

Test case ID	NPO001: Create new Note
Description	It is possible to create a new note with the mandatory field.
Precondition	Request is authorized

Test data	```
	1 {
	2 "content_text": "This is a test note for Team 1. Hello!"
	3 }
	``

Test steps	1. Send **POST** `{{baseUrl}}/obj/note` request
Expected result	- Successful code: 201 Created - Note has been created successfully

Test case ID	NPO002: Create new Note - no authorization
Description	It is not possible to create a new note with no authorization.
Precondition	Authorization type: No Auth is enabled

Test data	```
	1 {
	2 "content_text": "New note with no auth, for Team1"
	``

| | ```
3  }
``` |
| Test steps | 1. Send **POST** `{{baseUrl}}/obj/note` request |
| Expected result | - Error code: 401 Unauthorized
- Error message: "Permission denied: cannot create this object" |

Test case ID	**NPO003: Create new Note - empty field (string validation)**
Description	It is not possible to create a new note with an empty field. String is required.
Precondition	-
| Test data | ```
1  {
2    "content_text": ""
3  }
``` |
| Test steps | 1. Send **POST** `{{baseUrl}}/obj/note` request |
| Expected result | - Error Code: 400
- Response should be an error message indicating missing required field data input |

Test case ID	**NPO004: Create new Note - empty body (content_text validation)**
Description	It is not possible to create a new note with an empty body. Content_text field is required.
Precondition	-
| Test data | ```
1  {
2  }
``` |
| Test steps | 1. Send **POST** `{{baseUrl}}/obj/note` request |
| Expected result | - Error Code: 400
- Response should be an error message indicating missing required field |

Test case ID	**NPO005: Create new Note - invalid type boolean (string validation)**
Description	It is not possible to create a new note with data type boolean. Data type string is required.
Precondition	-
| Test data | ```
1  {
2    "content_text": "false"
3  }
``` |
| Test steps | 1. Send **POST** `{{baseUrl}}/obj/note` request |

Expected result	• Error Code: 400 • Error message: Invalid data for field content_text: Expected a string, but got a boolean

PATCH

Test case ID	NPA001: Modify Note data
Description	Existing note can be modified successfully with authorization.
Precondition	A note with unique ID exists
| Test data | ```
1  {
2    "content_text": "Greetings! Testing modification Team1"
3  }
```<br>Choose Existing note unique id from **NG001 list of notes** |
| Test steps | 1. Send **PATCH** {{baseUrl}}/obj/note/:UniqueID request |
| Expected result | • Successful code: 204 No content
• Note is updated to the new version successfully |

Test case ID	NPA002: Modify Note data - no authorization
Description	Existing note cannot be modified with no authorization.
Precondition	A note with unique ID exists. Authorization type: No Auth is enabled.
| Test data | ```
1  {
2    "content_text": "No auth, Testing modification Team1"
3  }
```<br>Choose Existing note unique id from **NG001 list of notes** |
| Test steps | 1. Send **PATCH** {{baseUrl}}/obj/note/:UniqueID request |
| Expected result | • Error code: 401 Unauthorized
• Error message: "You do not have permission to modify this object" |

Test case ID	NPA003: Modify Note data - shorter string id
Description	Note cannot be modified with shorter string id.
Precondition	-
| Test data | UniqueID: 1725636434052x713405200414606<br>```
1  {
2    "content_text": "Short string ID test Team1"
3  }
``` |

Test steps	1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request with a shorter string ID in the params
Expected result	• Error code: 404 Not Found • Error message: "Missing object of type note: object with id 1725636434052x7134052004146066 does not exist"

Test case ID	**NPA004: Modify Note data - longer string id**
Description	Note cannot be modified with longer string id.
Precondition	-

Test data	UniqueID: 1725636434052x7134052004146066008080000
	
	``
	1 {
	2 "content_text": "Long string ID test Team1"
	3 }
	``

Test steps	1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request with a longer string ID in the params
Expected result	• Error code: 404 Not Found • Error message: "Missing object of type note: object with id 1725636434052x7134052004146066008080000 does not exist"

Test case ID	**NPA005: Modify Note data - non-existent id**
Description	Note cannot be modified with non-existent Unique ID.
Precondition	-

Test data	UniqueID: 123
	
	``
	1 {
	2 "content_text": "Modification with invalid ID, Team1"
	3 }
	``

Test steps	1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request with a non-existent ID in the params
Expected result	• Error code: 404 Not Found • Error message: "Missing object of type note: object with id 123 does not exist"

Test case ID	**NPA006: Modify Note data - no unique id**
Description	Note cannot be modified when there is no unique ID in the params.
Precondition	-

Test data	```
	1 {
	2 "content_text": "Modification with empty ID, Team1"
	``

| | ```
3  }
``` |
| Test steps | 1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request with an empty ID value in the params |
| Expected result | • Error code: 404 Not Found
• Error message: "Missing object of type note: object with id :UniqueID does not exist" |

Test case ID	NPA007: Modify Note data - empty field
Description	Existing note cannot be modified with empty field. String value is required.
Precondition	A note with unique ID exists
| Test data | ```
1  {
2    "content_text": ""
3  }
``` |
| Test steps | 1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request with any existing note's ID in the params |
| Expected result | • Error Code: 400
• Response should be an error message indicating missing required field data input |

Test case ID	NPA008: Modify Note data - empty body
Description	Existing note cannot be modified with empty body. Content_text field is required.
Precondition	A note with unique ID exists
| Test data | ```
1  {
2  }
```<br>Choose Existing note unique id from **NG001 list of notes** |
| Test steps | 1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request |
| Expected result | • Error Code: 400
• Response should be an error message indicating missing required field |

Complex flow

Create + Amend + Delete flow on one Note

POST + GET

Test case ID	CF001: Create a new note and check if it has been created

Description	Check that it is possible to create a new note and it is shown in the system.
Precondition	-
| Test data | ```
1  {
2    "content_text": "Hello! Testing POST and GET, Team1"
3  }
``` |
| Test steps | 1. Send **POST** `{{baseUrl}}/obj/note` request

2. Send **GET** `{{baseUrl}}/obj/note/:UniqueID` request, set correct unique id (taken from previous step) |
| Expected result | Step 1: Successful code 201: Created, note is created

Step 2: Successful code 200: OK, correct note is found, data corresponds to input |

PATCH + GET

Test case ID	CF002: Modify a note and check if it has been modified
Description	Check that it is possible to modify an existing note and if the modified version is shown in the system after the update.
Precondition	CF001 successfully completed
| Test data | ```
1  {
2    "content_text": "Testing PATCH and GET mod, Team1"
3  }
``` |
| Test steps | 1. Send **PATCH** `{{baseUrl}}/obj/note/:UniqueID` request, set correct unique id (taken from step1, CF001)

2. Send **GET** `{{baseUrl}}/obj/note/:UniqueID` request, set correct unique id (taken from step1, CF001) |
| Expected result | Step 1: Successful code: 204 No content, update was successful

Step 2: Successful code 200: OK, correct note is found, content text is successfully updated |

DELETE + GET

Test case ID	CF003: Delete a note and check if it has been deleted
Description	Check that it is possible to delete an existing note and the note does not exist in the system.
Precondition	CF002 successfully completed
Test data	-
Test steps	1. Send **DELETE** `{{baseUrl}}/obj/note/:UniqueID` request, set correct unique id (taken from step1, CF001)

	2. Send **GET** `{{baseUrl}}/obj/note/:UniqueID` request, set correct unique id (taken from step1, CF001)
Expected result	Step 1: Successful code: 204 No content, delete was successful
	Step 2: Error code: 404 Not Found, "Missing object of type note: object with id `{{UniqueID}}` does not exist"