## Team 1 2. Test cases

## Notes API - Agnes Nauka

Test case ID	N1 - Get the list of all notes
Description	Check if it is possible to retrieve the full list of all existing notes
Precondition	Some notes exists in the application
Test data	-
Test steps	1. Send GET {baseUrl}/obj/note
Expected result	Successful code: 200 OK     List of all notes is returned in response

Test case ID	N2 - Get the list of all notes and and sort them by creation date
Description	Check if it is possible to retrieve the full list of all existing notes sorted by the creation date
Precondition	Some notes exists in the application
Test data	-
Test steps	1. Send GET {{baseUrl}}/obj/note?sort_field=Created Date
Expected result	Successful code: 200 OK     List of all notes is returned in response and the list is sorted by the creation date

Test case ID	N3 - Get the list of all notes starting from cursor 1, not 0
Description	Check if it is possible to retrieve the full list of all existing notes starting from the cursor 1, leaving out the cursor 0
Precondition	Some notes exists in the application
Test data	-
Test steps	1. Send <b>GET</b> {{baseUrl}}/obj/note?cursor=1
Expected result	Successful code: 200 OK     List of all notes is returned in response and the list starts from cursor 1

Test case ID	N4 - Get the list of all notes and check param limit
Description	Check if it is possible to retrieve the list of notes when the limit is 10
Precondition	Some notes exists in the application
Test data	-

Test steps	1. Send GET {{baseUrl}}/obj/note?limit=10
Expected result	<ul><li>Successful code: 200 OK</li><li>List of notes is returned in response and the list shows 10 notes</li></ul>

Test case ID	N5 - Get the list of all notes and check boolean
Description	Check if it is possible to retrieve the list of all notes sorted by the content_text ascending
Precondition	Some notes exists in the application
Test data	-
Test steps	<pre>1. Send GET {{baseUrl}}/obj/note? sort_field=content_text&amp;descending=false</pre>
Expected result	Successful code: 200 OK     List of notes is returned in response and the list shows all notes ascending by the content_text

Test case ID	N6 - Get the note when the constraints equals 'hey there'
Description	Check if it is possible to retrieve only one note using constraints equals 'hey there'
Precondition	The note exists in the application
Test data	-
Test steps	<pre>1. Send GET {{baseUrl}}/obj/note?constraints=[{"key":    "content_text", "constraint_type": "equals", "value": "hey    there" }]</pre>
Expected result	Successful code: 200 OK     One note with the content_text 'hey there' is returned in response

Test case ID	N7 - Get the note when the constraint is text_contains 'client'
Description	Check if it is possible to retrieve only one note using constraint text_contains 'client'
Precondition	The note exists in the application
Test data	-
Test steps	<pre>1. Send GET {{baseUrl}}/obj/note?constraints=[{"key":    "content_text", "constraint_type": "text contains", "value":    "client" }]</pre>
Expected result	Successful code: 200 OK     One note with the content_text that contains'client' is returned in response

Test case ID	N8 - Get the note when the constraint is empty
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Description	Check if it is possible to retrieve only one note using constraint is empty
Precondition	The note exists in the application
Test data	-
Test steps	1. Send GET {{baseUrl}}/obj/note?constraints=
Expected result	400 Bad request is expected     Error message is returned in response "status": "INVALID_DATA",

Test case ID	N9 - Get the note with unique ID
Description	Check if it is possible to retrieve the note by unique ID, for example 1627393624856x199214596987551740
Precondition	The note exists in the application
Test data	-
Test steps	1. Send GET {{baseUrl}}/obj/note/:UniqueID
Expected result	<ul> <li>Successful code: 200 OK</li> <li>One note with the unique ID is returned in response</li> </ul>

Test case ID	N10 - Create a new note and check the created object
Description	Check if it is possible to create a new note 'Test for team 1' and observe if it was created successfully with given data
Precondition	-
Test data	<pre>1 { 2  "content_text": "Test for team 1" 3 }</pre>
Test steps	<ol> <li>Send POST {{baseUrl}}/obj/note request using body from test data</li> <li>Copy id of the created note from the response</li> <li>Send GET {baseUrl}/obj/note/:UniqueID, set correct UniqueID (taken from step 2)</li> </ol>
Expected result	Step 1: Successful code: 201 Created, note is created  Step 3: Successful code: 200 OK, correct note is found, data corresponds to input

	N11 - Create a new note without any info
Test case ID	

Description	Check if it is possible to create a new note without any info (content_text is empty)
Precondition	-
Test data	<pre>1 { 2  "content_text": 3 }</pre>
Test steps	1. Send POST {{baseUrl}}/obj/note
Expected result	<ul><li>400 Bad request is expected</li><li>Error message is returned in response</li></ul>

Test case ID	N12 -Create, Delete note and check data
Description	Check if it is possible to delete a note after creating one, then check if it was deleted
Precondition	-
Test data	1 { 2  "content_text": "123" 3 }
Test steps	<ol> <li>Send POST {{baseUr1}}/obj/note request using body from test data</li> <li>Copy id of the created note from the response</li> <li>Send DELETE {baseUr1}/obj/lead/:UniqueID , set correct UniqueID (taken from step 2)</li> <li>Send GET {baseUr1}/obj/lead/:UniqueID , set correct UniqueID (taken from step 2)</li> </ol>
Expected result	Step 1: Successful code: 201 Created, note is created  Step 3: Successful code: 204 No Content, delete was successful  Step 4: Error code: 404 Not Found, "status": "MISSING_DATA", "message":  "Missing object of type note: object with id {{UniqueId}} does not exist"

Test case ID	N13 - Create a new note when content_text is boolean
Description	Check if it is possible to create a new note when content_text is boolean
Precondition	-
Test data	<pre>1 { 2  "content_text": true 3 }</pre>
Test steps	1. Send POST {{baseUr1}}/obj/note request using body from test data

Expected result	400 Bad request is expected
	• Error message is returned in response "status": "INVALID_DATA",
	"message": "Invalid data for field content_text: Expecte
	d a string, but got a boolean (original data: true)"

Test case ID	N14 - Create a note and check the created object
Description	Check if it is possible to create a new note and observe if it was created successfully with given data
Precondition	-
Test data	<pre>1 { 2  "content_text": "There are 3 members in this team" 3 }</pre>
Test steps	<ol> <li>Send POST {baseUr1}/obj/note request using body from test data</li> <li>Copy id of the created note from the response</li> <li>Send GET {baseUr1}/obj/note/:UniqueID, set correct UniqueID (taken from step 2)</li> </ol>
Expected result	Step 1: Successful code: 201 Created, note is created  Step 3: Successful code: 200 OK, correct note is found, data corresponds to input.

Test case ID	N15 - Update a note and check the data
Description	Check if it is possible to update created note and observe if it was updated successfully
Precondition	N14 is successfully completed
Test data	<pre>1 { 2  "content_text": "There are 11 members in this team" 3 }</pre>
Test steps	<ol> <li>Send PATCH {baseUrl}/obj/note/:UniqueID , set correct UniqueID (taken from step 2, N14)</li> <li>Send GET {baseUrl}/obj/note/:UniqueID , set correct UniqueID (taken from previous step)</li> </ol>
Expected result	Step 1: Successful code: 204 No Content, update was successful  Step 2: Successful code: 200 OK, correct note is found, note was successfully updated

## Deals API - Tuuli Pesur

Took sees ID	D1 Pand a list of all deals
Test case ID	D1 - Read a list of all deals

Description	Check if it's possible to read a list of all deals.
Precondition	List of some deals exist.
Test data	-
Test steps	1. Send GET {baseUrl}/obj/deal.
Expected result	Success code: 200 OK.     List of all deals is shown.

Test case ID	D2 - Read a list of all deals with search constraints
Description	Check if it's possible to read a list of all deals with adding search constraints.
Precondition	List of some deals exist.
Test data	<pre>Constraints: [{"key": "status_option_status", "constraint_type":    "equals", "value": "Won" }]</pre>
Test steps	<pre>1. Send GET {{baseUrl}}/obj/deal?constraints=[{"key":    "status_option_status", "constraint_type": "equals", "value":    "Won" }]</pre>
Expected result	<ul><li>Success code: 200 OK.</li><li>List of all deals with searched constraint appears.</li></ul>

Test case ID	D3 - Search a deal with specific title (filtering by name)
Description	Check if it's possible to search a deal with specific title (filtering by name).
Precondition	Deal with this specific title must exist.
Test data	Title "Test1"
Test steps	<pre>1. Send GET {{baseUrl}}/obj/deal?constraints=[{"key":    "company_name_text", "constraint_type": "equals", "value":    "Test1"}]</pre>
Expected result	<ul><li>Success code: 200 OK.</li><li>Deal with searched title is shown.</li></ul>

Test case ID	D4 - Search a deal with wrong not existing conditions
Description	Check if it's possible to search a deal with wrong not existing conditions (proper error handling in expected).
Precondition	A deal with conditions in search does not exist.
Test data	Company name that doesn't exist in the list. In this case "Buildco".
Test steps	<pre>1. Send GET {{baseUrl}}/obj/deal?constraints=[{"key":    "company_text", "constraint_type": "equals", "value":    "Buildoco"}]</pre>
Expected result	Error code: Error 404.

<ul> <li>A deal with searched name doesn't appear.</li> </ul>	•	A deal with	searched	name	doesn	t appear.
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Test case ID	D5 - Read a deal data by its unique Id
Description	Check if it's possible to read a deal data by it's unique ID.
Precondition	Data by this ID is created.
Test data	UniqueID
Test steps	Send GET {{baseUrl}}/obj/deal/:UniqueID and enter previously existing deal's iD.
Expected result	Success code: 200 OK is presented with deal's information.

Test case ID	D6 - Read a deal with random not existing ID		
Description	Check if it's possible to read a deal with random not existing ID.		
Precondition	Deal with searched ID doesn't exist.		
Test data	ID that doesn't exist. In this case "1695974436660x97513119675864330".		
Test steps	<pre>1. Send GET {{base URL}}/obj/deal?constraints=[{"key": "_id",</pre>		
Expected result	<ul> <li>Error code: Error 404.</li> <li>Lead with this specific not existing ID doesn't appear.</li> </ul>		

Test case ID	D7 - Create a new deal		
Description	Check if it's possible to create new deal.		
Precondition	Authorization is needed.		
Test data	<pre>1 { 2    "assigneeuser": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "name_text": "Test1", 8    "note_list_custom_note": [], 9    "order_number": 0, 10    "stage_custom_stage": "1625047822374x314234657054522700", 11    "status_option_status": "Won", 12    "visible_to_list_user": [ 13         "1625047362532x398219546419355650" 14    ] 15 }</pre>		
Test steps	<ol> <li>Send POST {baseUr1}/obj/deal and enter correct JSON text.</li> <li>Send GET {baseUr1}/obj/deal/:UniqueID with UniqueID received in the last step.</li> </ol>		

Expected result	1. Success code: Status 201 Created and ID for the new deal shown.
	2. Success code: Status 200 OK and new deal is shown.

Test case ID	D8 - Create a new deal without authorization		
Description	Check if it's possible to create new deal without entering authorization key.		
Precondition	No authorization.		
Test data	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "name_text": "Test1", 8    "note_list_custom_note": [], 9    "order_number": 0, 10    "stage_custom_stage": "1625047822374x314234657054522700", 11    "status_option_status": "Won", 12    "visible_to_list_user": [ 13         "1625047362532x398219546419355650" 14    ] 15 }</pre>		
Test steps	Send POST {baseUrl}/obj/deal and enter correct JSON text.		
Expected result	<ul><li>Error code: Status 401 Unauthorized.</li><li>New deal is not created.</li></ul>		

Test case ID	D9 - Create a new deal without assignee user text	
Description	Check if it's possible to create a new deal without adding assignee user text.	
Precondition	All other requirements are filled except "assignee user" text.	
Test data	<pre>1 { 2    "company_name_text": "Test1", 3    "deal_value_estimation_number": 0, 4    "description_text": "Test1", 5    "file_list_custom_data_file": [], 6    "name_text": "Test1", 7    "note_list_custom_note": [], 8    "order_number": 0, 9    "stage_custom_stage": "1625047822374x314234657054522700", 10    "status_option_status": "Won", 11    "visible_to_list_user": [ 12         "1625047362532x398219546419355650" 13    ] 14 }</pre>	
Test steps	1. Send POST {baseUrl}/obj/deal and enter test data JSON text.	
Expected result	Error code: Status 400 Bad request.     New deal is not created.	

Test case ID	D10 - Create a new deal without company name text		
Description	Check if it's possible to create a new deal without adding company name text.		
Precondition	All other requirements are filled except "company name text".		
Test data	<pre>1 { 2    "assigneeuser": "1625047362532x398219546419355650", 3    "deal_value_estimation_number": 0, 4    "description_text": "Test1", 5    "file_list_custom_data_file": [], 6    "name_text": "Test1", 7    "note_list_custom_note": [], 8    "order_number": 0, 9    "stage_custom_stage": "1625047822374x314234657054522700", 10    "status_option_status": "Won", 11    "visible_to_list_user": [ 12         "1625047362532x398219546419355650" 13    ] 14 }</pre>		
Test steps	1. Send POST {baseUrl}/obj/deal and enter test data JSON text.		
Expected result	<ul><li>Error code: Status 400 Bad request.</li><li>New deal is not created.</li></ul>		

Test case ID	D11 - Create a new deal without deal value estimation number	
Description	Check if it's possible to create a new deal without adding deal value estimation number.	
Precondition	All other requirements are filled except "deal value estimation".	
Test data	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "description_text": "Test1", 5    "file_list_custom_data_file": [], 6    "name_text": "Test1", 7    "note_list_custom_note": [], 8    "order_number": 0, 9    "stage_custom_stage": "1625047822374x314234657054522700", 10    "status_option_status": "Won", 11    "visible_to_list_user": [ 12         "1625047362532x398219546419355650" 13    ] 14 }</pre>	
Test steps	1. Send POST {baseUrl}/obj/deal and enter test data JSON text.	
Expected result	<ul><li>Error code: Status 400 Bad request.</li><li>New deal is not created.</li></ul>	

Test case ID	D12 - Create a new deal without name text
Description	Check if it's possible to create a new deal without adding name text.

Precondition	All other requirements are filled except "name text".		
Test data	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "note_list_custom_note": [], 8    "order_number": 0, 9    "stage_custom_stage": "1625047822374x314234657054522700", 10    "status_option_status": "Won", 11    "visible_to_list_user": [ 12         "1625047362532x398219546419355650" 13    ] 14 }</pre>		
Test steps	1. Send POST {baseUrl}/obj/deal and enter test data JSON text.		
Expected result	<ul><li>Error code: Status 400 Bad request.</li><li>New deal is not created.</li></ul>		

Test case ID	D13 - Create a new deal without order number		
Description	Check if it's possible to create a new deal without adding order number.		
Precondition	All other requirements are filled except "order number".		
Test data	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "name_text": "Test1", 8    "note_list_custom_note": [], 9    "stage_custom_stage": "1625047822374x314234657054522700", 10    "status_option_status": "Won", 11    "visible_to_list_user": [ 12         "1625047362532x398219546419355650" 13    ] 14 }</pre>		
Test steps	1. Send POST {baseUrl}/obj/deal and enter test data JSON text.		
Expected result	<ul><li>Error code: Status 400 Bad request.</li><li>New deal is not created.</li></ul>		

Test case ID	D14 - Create a new deal without status option status
Description	Check if it's possible to create a new deal without adding status option status text.
Precondition	All other requirements are filled except "status option status".
Test data	1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1",

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"deal_value_estimation_number": 0,
                        5
                           "description_text": "Test1",
                        6 "file_list_custom_data_file": [],
                        7 "name_text": "Test1",
                        8 "note_list_custom_note": [],
                       9
                           "order_number": 0,
                       "stage_custom_stage": "1625047822374x314234657054522700",
                       "visible_to_list_user": [
                       12
                             "1625047362532x398219546419355650"
                       13 ]
                       14 }
Test steps
                      1. Send {\color{red} {\sf POST}} {baseUrl}/obj/deal and enter test data JSON text.
Expected result
                      • Error code: Status 400 Bad request.
                       • New deal is not created.
```

Test case ID	D15 - Create a new deal without visible to list user text
Description	Check if it's possible to create a new deal without adding visible to list user text.
Precondition	All other requirements are filled except "visible to list user".
Test data	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "name_text": "Test1", 8    "note_list_custom_note": [], 9    "order_number": 0, 10    "stage_custom_stage": "1625047822374x314234657054522700", 11    "status_option_status": "Won", 12 }</pre>
Test steps	1. Send POST {baseUr1}/obj/deal and enter test data JSON text.
Expected result	<ul><li>Error code: Status 400 Bad request.</li><li>New deal is not created.</li></ul>

Test case ID	D16 - When creating a new deal entering string text instead of integer
Description	Check if it's possible to create a new deal with having string text instead of integer in deal_value_estimation_number and order_number.
Precondition	All other requirements are filled correctly.
Test data	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": TEST, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "name_text": "Test1", 8    "note_list_custom_note": [], 9    "order_number": TEST,</pre>

```
10 "stage_custom_stage": "1625047822374x314234657054522700",
11 "status_option_status": "Won",
12 "visible_to_list_user": [
13 "1625047362532x398219546419355650"
14 ]
15 }

Test steps

1. Send POST {baseUrl}/obj/deal and enter test data JSON text.

Expected result

• Error code: Status 400 Bad request.
• New deal is not created.
```

Test case ID	D17 - Fill "status_option_status" with something other than won, in progress, lost.
Description	Check if it's possible to create a new deal with having some other string text entered into the "status_option_status" than expected results (won, in progress, lost).
Precondition	All other requirements are filled correctly.
Test data	<pre>1 { 2    "assigneeuser": "1625047362532x398219546419355650", 3    "company_name_text": "Test1", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "name_text": "Test1", 8    "note_list_custom_note": [], 9    "order_number": 0, 10    "stage_custom_stage": "1625047822374x314234657054522700",</pre>
Test steps	11
Expected result	<ul><li>Error code: Status 400 Bad request.</li><li>New deal is not created.</li></ul>

Test case ID	D18 - Modify lead by UniqueID
Description	Check if it's possible to modify the data of existing deal by it's UniqueID.
Precondition	Data with this ID exists and valid authorization entered.
Test data	Unique ID 1696326541475x671956756528809300  Company_name_text is modified - Test1 → Test 12
	<pre>1 { 2    "assignee_user": "1625047362532x398219546419355650", 3    "company_name_text": "Test12", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [],</pre>

```
"note_list_custom_note": [],
                         8
                             "order_number": 0,
                         9 "stage_custom_stage": "1625047822374x314234657054522700",
                        "status_option_status": "Won",
                        "visible_to_list_user": [
                               "1625047362532x398219546419355650"
                        12
                        13 ]
                        14 }
Test steps
                        1. Send PATCH \{\{baseUrl\}\}/obj/deal/:UniqueID\} and enter test data JSON
                        2. Send \textbf{GET}~\{\{\texttt{baseUrl}\}\}/\texttt{obj/deal/:UniqueID}~ and enter test data UniqueID.
Expected result
                        1. Success code: Status 204 No content is shown.
                        2. Success code: Status 200 OK and modified lead is shown.
```

Test case ID	D19 - Try to modify not existing deal with random ID
Description	Check if it's possible to try to modify not existing deal with random ID (proper error handling is expected).
Precondition	Lead with this Unique ID doesn't exist.
Test data	Unique ID 1696326541475x6719567565288093  Company_name_text is modified - Test1 → Test 12
	<pre>1 { 2    "assigneeuser": "1625047362532x398219546419355650", 3    "company_name_text": "Test12", 4    "deal_value_estimation_number": 0, 5    "description_text": "Test1", 6    "file_list_custom_data_file": [], 7    "note_list_custom_note": [], 8    "order_number": 0, 9    "stage_custom_stage": "1625047822374x314234657054522700", 10    "status_option_status": "Won", 11    "visible_to_list_user": [ 12         "1625047362532x398219546419355650" 13    ] 14 }</pre>
Test steps	Send PATCH {{baseUrl}}/obj/deal/:UniqueID and enter test data JSON text.
Expected result	<ul><li>Error code: Status 404 Not Found.</li><li>No lead is modified.</li></ul>

Test case ID	D20 - Replace the deal data with a new set of data
Description	Check if it's possible to replace the deal data with a new set of data.
Precondition	
Test data	UniqueID 1696343382927x352045287752024100  Old JSON text:

```
1 {
                        2
                             "assignee_user": "1625047362532x398219546419355650",
                        3
                             "company_name_text": "Test1",
                        4
                            "description_text": "Test1",
                        5
                            "file_list_custom_data_file": [],
                            "name_text": "Test1",
                        6
                             "note_list_custom_note": [],
                        7
                            "order_number": 0,
                        8
                            "stage_custom_stage": "1625047822374x314234657054522700",
                        9
                            "status_option_status": "Won",
                       10
                       11
                            "visible_to_list_user": [
                       12
                              "1625047362532x398219546419355650"
                       13 ]
                       14 }
                      New JSON text:
                        1 {
                            "assignee__user": "1625047362532x398219546419355650",
                        2
                        3
                             "company_name_text": "Test12",
                        4
                            "deal_value_estimation_number": 0,
                        5
                            "description_text": "Test12",
                            "file_list_custom_data_file": [],
                        6
                        7
                            "name_text": "Test12",
                            "note_list_custom_note": [],
                        8
                        9
                            "order_number": 0,
                       10 "stage_custom_stage": "1625047822374x314234657054522700",
                       11
                             "visible_to_list_user": [
                       12
                              "1625047362532x398219546419355650"
                       13 ]
                       14 }
                       • Send PUT {{baseUrl}}/obj/deal/:UniqueID and fill new test data JSON
Test steps
                         text
Expected result
                       • Successful code: 204 No content
                       • Data is replaced without any errors
```

Test case ID	D21 - Delete existing deal without authorization
Description	Check if it's possible to delete existing deal without entering authorization.
Precondition	No authorization filled and deal exists.
Test data	Deal ID 1625048593556x124292100920442880
Test steps	<ol> <li>Remove authorization from the request.</li> <li>Send DELETE {{baseUrl}}/obj/deal/:UniqueID</li> </ol>
Expected result	<ol> <li>Authorization is removed.</li> <li>Error code: 401 Permission denied and lead is not deleted.</li> </ol>

Test case ID	D22 - Delete existing deal with authorization
Description	Check if it's possible to delete existing deal.
Precondition	Authorization filled and deal exists.

Test data	Deal ID 1625048593556x124292100920442880
Test steps	<ol> <li>Send DELETE {{baseUrl}}/obj/lead/:UniqueID</li> <li>Send GET {{baseUrl}}/obj/lead/:UniqueID</li> </ol>
Expected result	<ol> <li>Success code: 204 Success code and deal is deleted.</li> <li>Error code: 404 Not found code and deal is not found.</li> </ol>