3. End-to-end test cases

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Construct 2-3 comprehensive end-to-end test cases tailored to the CRM platform.

3.2. Upload these test cases to the "End-to-end test cases" page located under your team workspace. Refer to the provided suggestions for potential end-to-end test case ideas if needed.

4. **Testing Execution and Documentation:**

4.1. Execute testing following the designed test cases.

4.2. Document all identified bugs or discrepancies and report them to the Jira system.

4.3. Update the "End-to-end test cases" page under your team workspace with the testing outcomes.

Videos about end to end-to-end test cases: End-to-end testing

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Managing deal created from a lead (via API)- lost deal- ELVIS

Description of the user flow: A new lead is created by some third-party application integrated via API. CRM user can see it in application UI and check the data. Based on this lead, a new deal is being created. Third-party can then check the correctness of the deal data and add a logo picture. CRM user can see the deal logo being updated, but unfortunately, negotiations weren't successful, so the company lost the deal; update was executed via UI and is visible to third-party via API.

CRM app: CerebrumHub_CRM_Lite **Preconditions:** - User is authorized (as Demo Admin)	**Postman:** CRM API baseUrl: `https://cerebrumhubcrmlite.bubbleapps.io/ api/1.1` Authorisation token: `b30ca93d0a7ebe389e9326a22497bf38`

Test case ID	**E2E01: Create a Lead via API**
Description	Verify that it is possible to create a new Deal via API.
Precondition	-

Test data	`{`
	`  "company_text": "L5 TEAM6  E2E NEW COMPANY",`
	`  "email_text": "L5new@team6.ee",`

	`"full_name_text": "TEAM6 L5 E2E full new"`
	`}`

Test steps	1. Send **POST** : `{baseUrl}/obj/lead` request
Expected result	• Successful code: 201 Created • A new Deal has been created successfully
Result	PASSED

Test case ID	**E2E02: Lead created via API is visible in UI**
Description	Check that the Lead created in previous step is visible in CRM system
Precondition	Test case **E2E01** was executed successfully.
Test data	-
Test steps	1. Open Leads page; 2. In Filter by Company drop-down type “L5 TEAM6 E2E NEW COMPANY ” 3. ***Once TEAM6 L5 E2E full new*** gets highlighted in UI, press Enter; 4. Press the pencil icon to enter the Edit mode.
Expected result	• Modify lead window has been opened • Information shown on UI is matching with the one, entered in **E2E01** test case.
Result	PASSED

Test case ID	**E2E03: Create a new Deal using Lead created via UI**
Description	Check that it is possible to create a new Deal using the Lead created via UI
Precondition	Test case **E2E02** was executed successfully.
Test data	-
Test steps	1. Open Deals page; 2. Hover over the “Drop deal here”; 3. press on appeared “+New deal” button; 4. Lead full name “***TEAM6 L5 E2E full new***” ; 5. Click on appearing suggestion “TEAM6 L5 E2E”; 6. Fill in the remaining empty fields: a. Deal title: TEAM6 L5 E2E full new deal b. Assignee: Kevin Kelly; c. Deal Description: TEAM6 L5 E2E new great deal; d. Approximate value: 777 ; 7. Press “Create Deal” button.
Expected result	User is redirected to Deal page; New Deal is visible in Subscribers column.

Result	PASSED

<table>
<tr><th>Test case ID</th><th>E2E04 : Check the data of the Deal via API</th></tr>
<tr><td>Description</td><td>It is possible to check the correctness of the Deal via API</td></tr>
<tr><td>Precondition</td><td>Test case <b>E2E03</b>, was executed successfully.</td></tr>
<tr><td>Test data</td><td><pre>
"assignee__user": "1625051658962x581289845978797800",
                "company_name_text": "TEAM6 L5 E2E NEW COMPANY"
                "deal_value_estimation_number": 777,
                "description_text": "TEAM6 L5 E2E new great dea
                "name_text": "TEAM6 L5 E2E full new deal",
                "stage_custom_stage": "1717161897525x8112802062
                "visible_to_list_user": [
                    "1625051658962x581289845978797800"
                ],
                "Created Date": "2024-06-14T11:46:07.231Z",
                "Created By": "1625051658962x581289845978797800
                "Modified Date": "2024-06-14T12:17:36.107Z",
                "lead_custom_lead": "1717770432224x249434992007
                "status_option_status": "In progress",
                "funnel_custom_funnel1": "1717161896442x6079096
                "note_list_custom_note": [
                    "1718367455805x949041436739240000"
                ],
                "_id": "1718365567070x962411351433019400"
            }
</pre></td></tr>
<tr><td>Test steps</td><td>1. Send <b>GET</b> : <code>{baseUrl}/obj/deal?constraints=</code> <code>[{"key"="name_text","constraint_type":"equals","value":"</code> TEAM6 L5 E2E full new deal <code>"}]</code>
2. Save the Deal ID for future use. <code>"1718365567070x962411351433019400"</code></td></tr>
<tr><td>Expected result</td><td>• Successful code: 200 OK
• A Deal with matching name is displayed in response
• Data is correctly stored.</td></tr>
<tr><td>Result</td><td>PASSED</td></tr>
</table>

<table>
<tr><th>Test case ID</th><th>E2E05: Update the Deal logo via API</th></tr>
<tr><td>Description</td><td>Check, that it is possible to update the deal logo via API</td></tr>
<tr><td>Precondition</td><td>Test case <b>E2E04</b> was executed successfully.</td></tr>
<tr><td>Test data</td><td><pre>
{
  "logo_image": "https://images.credly.com/images/31bfbc2c-4d5d-
}
</pre></td></tr>
<tr><td>Test steps</td><td>1. Send <b>PATCH</b> <code>:{baseUrl}/obj/deal/:UniqueID</code> request, set correct UniqueID (taken from <b>E2E04</b> , step 2)</td></tr>
<tr><td>Expected result</td><td>• Successful code: 204 No content</td></tr>
<tr><td>Result</td><td>PASSED</td></tr>
</table>

Test case ID	**E2E06 : Logo update is visible in UI**
Description	Logo update made for a deal is visible in application CRM UI
Precondition	Test case **E2E05** was executed successfully.
Test data	-
Test steps	1. Go to Deals page (refresh, if needed) 2. Click on TEAM6 L5 E2E NEW COMPANY deal;
Expected result	Step 1: TEAM6 L5 E2E NEW COMPANY Deal has been updated with a new logo Step 2: Logo is visible in Deal full view.
Result	PASSED

Test case ID	**E2E07 : Deal can be marked as Lost**
Description	Check that it is possible to mark deal as Lost.
Precondition	Test case **E2E06** was executed successfully.
Test data	-
Test steps	1. In full view of the Deal, click “lost” button; 2. Close the Deal full view.
Expected result	Step 1: “Won” button disappeared and “Lost” is two times bigger Step 2: There is no TEAM6 L5 E2E NEW COMPANY Deal visible on the board
Result	PASSED

Test case ID	**E2E08: Deal marked as Lost is shown as Lost in GET Deal API**
Description	Ensure that it is possible to check if the deal marked as Lost is displayed as Lost GET Deal API
Precondition	Test case **E2E07** was executed successfully.
Test data	-
Test steps	1. Send **GET** `:{baseUrl}/obj/deal/:UnigueID` request, set correct UniqueID (taken from **E2E04**, step 2)
Expected result	• Successful code: 200 OK • `"status_option_status": "Lost"`
Result	PASSED

Tracking Deals on User Dashboard- VERONIKA

Description of the user flow: The new deal is created via API in the “Offer” funnel with Approximate value of 10 000$. The user opens the deal and changes the value to 5000$. The total potential value on the dashboard is updated and reflecting the changes properly (the value must be reduced by 5000$).

CRM app: CerebrumHub_CRM_Lite **Preconditions:** - User is authorized (as Demo Admin)	**Postman:** CRM API baseUrl: `https://cerebrumhubcrmlite.bubbleapps.io/ api/1.1` Authorisation token: `b30ca93d0a7ebe389e9326a22497bf38`

Test case ID	**TDUD01: Create a Deal via API**
Description	Verify that it is possible to create a new Deal (min field set) via API.
Precondition	User is authorized, user ID, Funnel, Lead, Note and Stage exist in the system

Test data	`{`
	`    "assignee__user": "1625051658962x581289845978797800",`
	`    "company_name_text": "Veronika's New Company",`
	`    "deal_value_estimation_number": 100000,`
	`    "name_text": "Veronika's E2E",`
	`    "order_number": 1,`
	`    "status_option_status": "",`
	`    "visible_to_list_user": []`
	`}`

Test steps	1. Send POST `:{baseUrl}/obj/deal` request 2. Copy the “id” value from the response 3. Send GET : `{baseUrl}/obj/deal/:UniqueId` request
Expected result	Step 1: Successful code: 201 Created Step 3: Successful code: 200 OK
Result	Passed

Test case ID	**TDUD02: Deal created via API is visible in UI**
Description	Check that the Deal created in previous step is visible in CRM system
Precondition	Test case **TDUD01** was executed successfully.
Test data	-
Test steps	1. Open Deals page; 2. Choose Test funnel Team7 from the funnels dropdown; 3. Enter “Veronika's New Company” 4. Open the deal to verify the info entered in test case **TDUD01**
Expected result	Step 3: Deal exists Step 4: Information shown on UI is matching with the one, entered in **TDUD01** test case.
Result	Failed 13/06/24

	T11CA-352: Deals API- E2E- Deal created via API does not display all info via UI TO DO

Test case ID	**TDUD03: Change the Deal’s value via UI**
Description	Check that it is possible to change Deal’s value via UI
Precondition	Test case **TDUD02** was executed successfully.
Test data	Approximate value = $5000
Test steps	1. Open Deals page; 2. Choose Test funnel Team7 from the funnels dropdown; 3. Enter “Veronika's New Company” 4. Press the pencil icon to enter the Edit mode. 5. Edit Approximate value from $10 000 to $5000 6. Press “Save” button.
Expected result	Step 3: Deal exists Step 4: Enter mode can be applied Step : Approximate value can be changed Step 6: User is redirected to Deals page
Result	Failed 13/06/24 T11CA-353: Deals API- E2E- You cannot change ONLY Deal's value in UI edit Deal mode TO DO

Test case ID	**TDUD04: Deal’s new “Approximate value” is shown in GET Deal API**
Description	Ensure that it is possible to check if the deal’s Approximate value is reduced from $10 000 to $5000 via GET Deal API
Precondition	Test case **TDUD03** was executed successfully (mandatory field were filled in UI)
Test data	-
Test steps	1. Send **GET** `:{baseUrl}/obj/deal/:UnigueID` request, set correct UniqueID (taken from **TDUD01**, step 3)
Expected result	• Successful code: 200 OK • `"deal_value_estimation_number": 5000`
Result	Failed 13/06/24 due to bug (all the fields cannot be filled in): T11CA-353: Deals API- E2E- You cannot change ONLY Deal's value in UI edit Deal mode TO DO

New users managing- RIMMA

Description of the user flow: The new user was invited using the Magicuser API. The user receives an email and opens it to create an account. The account was created and user can access the system. The user opens Profile tab to update full name and password. The user creates a new lead and a new deal to ensure, that functionalities are accessible and working correctly. The user deletes newly created lead and deal to keep the system clean.

CRM app: CerebrumHub_CRM_Lite

Preconditions:

- The CRM application is up and running.
- Test data for a new user is available.

Postman:

CRM API baseUrl: `https://cerebrumhubcrmlite.bubbleapps.io/ api/1.1`

Authorisation token: `b30ca93d0a7ebe389e9326a22497bf38`

Test case ID	**NUM01: Create a new request to invite user via API**
Description	Verify that it is possible to invite new user from Magicuser API
Precondition	-

Test data	`{`
	`"email_text": "pinknindja@gmail.com",`
	`"link_opened_boolean": false`
	`}`

Test steps	1. Send **POST** : `{{baseUrl}}/obj/magicuser` 2. Save the user id for future use
Expected result	• Successful code: **200** OK • A new magicuser created succesfully.
Result	Passed

Test case ID	**NUM02: Creating account by received email**
Description	Verify that the user receives the invitation and can activate it
Precondition	**NUM-1** was executed successfully.
Test data	-
Test steps	1. Login to the mailbox and find the invitation email 2. Press the link and complete the registration process
Expected result	• The user received email with confirmation link • The registration completed successfully.
Result	Failed T11CA-357: Magicuser API/ POST - the user not received invitation TO DO

Test case ID	**NUM03: Verification of User data via API**
Description	Ensure that the user data is correctly presented in the system after the user has accepted the invitation
Precondition	**NUM-2** was executed successfully.
Test data	-

Test steps	1. Send **GET :** `{{baseUrl}}/obj/magicuser/:UniqueID` , set correct UniqueID (taken from **NUM-1**, step 2) 2. Save the user id for future use
Expected result	- Successful code: **200** OK - The user matching this ID is listed in response - Data is correctly stored.
Result	Passed

Test case ID	**NUM04: User created via API is visible in UI**
Description	Check that the user created in **NUM-1** test case is visible in CRM system
Precondition	**NUM-3** was executed successfully.
Test data	-
Test steps	1. Login to the CRM platform as admin 2. Navigate to the **TEAM** page 3. Check that user with email from Test data of **NUM-1** test case exist in the system
Expected result	- New user is visible on the **TEAM** page
Result	Passed

Test case ID	**NUM05: Update user full name and password via API**
Description	Verify that user can change the name and password by API
Precondition	**NUM-3** was executed successfully.

Test data	`{`
	`  "full_name_text": "RiA test Team six",`
	`  "password": "newpass"`
	`}`

Test steps	1. Send **PATCH :** `{{baseUrl}}/obj/magicuser/:UniqueID` , set correct UniqueID (taken from **NUM-3**, step 2) 2. Send **GET :** `{{baseUrl}}/obj/magicuser/:UniqueID` , set correct UniqueID (taken from **NUM-3**, step 2) 3. Save the user id for future use
Expected result	- Successful code: 204 OK - Success, data updated.
Result	Failed T11CA-359: Magicuser API/ PATCH - The user can not change full name and pass TO DO

Test case ID	**NUM06: Update user full name and password via UI**

Description	Verify that user can change the name and password by
Precondition	**NUM-3** was executed successfully.
Test data	-
Test steps	1. Login to the CRM platform 2. Navigate to the **PROFILE** page 3. Initiate change Name and Password fields and press the **SAVE** button
Expected result	- The name and password fields are updated successfully.
Result	Passed

Test case ID	**NUM07: The user creates a new lead via API**
Description	Verify that newly created user can add a new lead to the system
Precondition	**NUM-5** was executed successfully.

Test data	`{`
	`  "company_text": "Team6_RIA",`
	`  "email_text": "team6@gmail.com",`
	`  "full_name_text": "Ria_Team6"`
	`}`

Test steps	1. Send **POST** `{baseUrl}/obj/lead?=UniqueID`, set correct UniqueID (taken from **NUM-5**, step 2)
Expected result	- Successful code: 201 Created - New lead has been created successfully.
Result	Passed

Test case ID	**NUM08: The user creates a new deal via UI**
Description	Verify that is it possible to create a new deal using the lead created via UI
Precondition	**NUM-7** was executed successfully.
Test data	-
Test steps	1. Open Deals page 2. Hover over the ‘Drop deal here’ area 3. Press on appeared ‘+ New deal’ button 4. Lead Full Name 'Ria_Team6' 5. Click on appearing suggestion 'Ria_Team6' 6. Fill in all remaining empty fields: a. Deal Title: ‘Team 6 testing by Rimma’ b. Assignee: Ria Team 6 try c. Deal Description: 'Testing by Rimma from team 6.' d. Approximate value: 607100 e. Select Funnel: VP’s funnel f. Select Funnel stage: VP Test Funnel 1

	7. Press <Create Deal> button
Expected result	• Company and Lead Email will get populated automatically based on the lead information • User is readdressed to Deal page; New deal is visible in Subscribers column.
Result	Passed

Test case ID	**NUM09: Lead created via API is visible in UI**
Description	Verify that the deal created in previous step is visible in CRM system
Precondition	**NUM-7** was executed successfully.
Test data	-
Test steps	1. Open Leads page 2. In Filter by Company drop-down type ‘Team6’ 3. Once ‘Team6_RIA’ gets highlighted in UI, press Enter 4. Press the pencil icon to enter the Edit mode.
Expected result	• Modify lead window has been opened • Information shown on UI is matching with the one, entered in **NUM-7** test case.
Result	Passed

Test case ID	**NUM10: Check the data of the deal via API**
Description	Verify that the deal data created in previous step is correct via API
Precondition	**NUM-8** was executed successfully.
Test data	-
Test steps	1. Send **GET** `{{baseUrl}}/obj/deal?constraints=[{"key": "name_text", "constraint_type": "equals", "value": "Team6_RIA"}]` 2. Save the deal id for future use
Expected result	• Successful code: 200 OK • All deal with matching name are listed in response • Data is correctly stored.
Result	Passed

Test case ID	**NUM11: The user deletes newly created lead via UI**
Description	Verify that newly created user can delete a new lead from the system
Precondition	**NUM-9** was executed successfully.
Test data	-
Test steps	1. Login to the CRM platform 2. Navigate to the **LEADS** page

	3. Find the lead “Team6_RIA” and initiate deleting by pressing the **X** button. 4. Confirm deleting
Expected result	• Popup windows with delete confirmation is shown • The lead is deleted and user stay in the **LEADS** page
Result	Passed

Test case ID	**NUM12: The user deletes newly created deal via UI**
Description	Verify that newly created user can delete a new deal from the system
Precondition	**NUM-10** was executed successfully.
Test data	-
Test steps	1. Login to the CRM platform 2. Navigate to the **DEALS** page 3. Find the deal with name “Team6_RIA” and initiate deleting by pressing the **X** button. 4. Confirm deleting
Expected result	• Popup windows with delete confirmation is shown • The deal is deleted and user stay in the **DEALS** page.
Result	Passed