[CMP-70] After signing the transaction using a non-custodial wallet the				
process freezes	process freezes Created: 08/Apr/25 Updated: 11/Apr/25 Resolved: 11/Apr/25			
Status:	Done			
Project:	Cardano Mendix-Plugin			
Components:	None			
Affects versions:	None			
Fix versions:	None			

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

CMP Sprint 5

Description

Reproduce

- 1. Select non-custodial wallet
- 2. Create transaction
- 3. Simple
- 4. Enter ADA
- 5. Enter token
- 6. Next
- 7. Confirm
- 8. Sign in wallet

After this the message "Processing" is being showed but nothing else happens.

Comments

Comment by <u>Dorus van der Kroft [11/Apr/25]</u> Fixed

[CMP-69] (N)FT Transaction: image metadata contains the gateway leading				
to split url Created	to split url Created: 01/Apr/25 Updated: 21/Apr/25 Resolved: 21/Apr/25			
Status:	Done			
Project:	Cardano Mendix-Plugin			
Components:	None			
Affects versions:	None			
Fix versions:	None			

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

CMP Sprint 5

Descripti

Examle:

image shouldn't be an array of strings but just one string. Otherwise it can't be picked up by other dApps. We don't need to include the gateway but just the IPFS link: ipfs://QmWS74i9MVcBPsMZew9DPeAPPeppjpACC2bXXcc3a4ezMt

[CMP-68] (N)FT Transaction: values gone when you go to previous step Created: 01/Apr/25 Updated: 11/Apr/25 Resolved: 11/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

CMP Sprint 5

[CMP-67] (N)FT Transaction: validation missing when no policy is selected Created: 01/Apr/25 Updated: 21/Apr/25 Resolved: 21/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

CMP Sprint 5

Comments

Comment by Dorus van der Kroft [11/Apr/25]

Fixed. Also added a validation to check if the wallet is a signer for the policy

[CMP-66] Policy Create: premature error when changing script type Created: 01/Apr/25 Updated: 21/Apr/25 Resolved: 21/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified	Not Specified		
Original estimate:	Not Specified			

CMP Sprint 5

[CMP-65] (N)FT Transaction: Empty screen Created: 01/Apr/25 Updated: 21/Apr/25 Resolved: 21/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

CMP Sprint 5

Description

Reproduce:

- 1. Open wallet overview
- 2. Create Transaction
- 3. Select NFT
- 4. Click 'Next'

In some cases you'll be presented with an empty screen where you can only cancel.

[CMP-64] Show metadata on wallet overview Created: 14/Mar/25 Updated: 25/Mar/25 Resolved: 25/Mar/25			
Status:	Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		

Туре:	Story	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

CMP Sprint 4

Description

In case the transaction has metadata, show a button next to the transaction ID that, when clicked, shows the metadata in a popup screen

[CMP-63] Passphrase error Created: 09/Mar/25 Updated: 21/Apr/25		
Status:	Closed	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Type:	Bug	Priority:	Medium		
Reporter:	Dan Amankona	Assignee:	Unassigned		
Resolution:	Unresolved	Votes:	0		
Labels:	None	None			
Remaining Estimate:	Not Specified				
Time Spent:	Not Specified				
Original estimate:	Not Specified				

Attachments:	Screenshot 2025-03-09 101106.png	
Sprint:	CMP Sprint 5, CMP Sprint 6	

Description

When creating a transaction for the 'Ghana' wallet on my account I encounter the following error message when I enter my correct credentials:

"Error Type:

com.bloxbean.cardano.client.crypto.exception.AddressFormatException\$InvalidCharacter Message: Invalid character ':' at position 2"

Conversely, when I enter an incorrect password I get the following message:

"Invalid Passphrase"

the password is: Accra123

Comments

Comment by Dorus van der Kroft [11/Apr/25]

The first error was because the address wasn't checked, so it gave a bit of a cryptic error message. We have fixed this by checking the format of the address and giving appropriate validation feedback.

The other error is correct behavior when you enter the incorrect passphrase.

[CMP-62] Pressing 'enter' on keyboard should trigger the confirm button Created: 09/Mar/25 Updated: 25/Mar/25 Resolved: 25/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Story	Priority:	Medium	
Reporter:	Dan Amankona	Assignee:	Derrick Kwagala	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Attachments:	Screenshot 2025-03-09 093648.png	
Sprint:	CMP Sprint 4	

Description

When creating wallet or confirming transactions pressing enter should trigger the confirm button if all other fields are filled. It makes for a smoother user experience since they don't have to click confirm every time

[CMP-61] Fix URL of PinataIPFS Created: 02/Mar/25 Updated: 25/Mar/25 Resolved: 25/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Sprint: CMP Sprint 4

Description

The URL is not a valid ipfs URL for instance:

peach-magnificent-panda-610.mypinata.cloudQmWS74i9MVcBPsMZew9DPeAPPeppjpACC2bXXcc3a4ezMt

It should look like:

ipfs://peach-magnificent-panda-610.mypinata.cloud/QmWS74i9MVcBPsMZew9DPeAPPeppjpACC2bXXcc3a4ezMt

Comments

Comment by Derrick Kwagala [14/Mar/25]

Dorus van der Kroft I've checked the NFT creation, and we don't have a manual input box for IPFS images. Which screen has this. could it be from the navigation side?

[CMP-60] "no items found" shown when there are no (multi-sig) transactions				
to sign Created: 27/Fe	to sign Created: 27/Feb/25 Updated: 25/Mar/25 Resolved: 25/Mar/25			
Status:	Done			
Project:	Cardano Mendix-Plugin			
Components:	None			
Affects versions:	None			
Fix versions:	None			

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Attachments:	Cimage-20250227-180450.png
Sprint:	CMP Sprint 4

Description

When there are no pending transaction that need to be signed a message appears that says: "no items found".

Remove this message

Smart Contract (CMP-54)

[CMP-58] Example: Hello World! Created: 27/Feb/25 Updated: 25/Mar/25 Resolved: 25/Mar/25	
Status:	Done
Project:	Cardano Mendix-Plugin
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Smart Contract

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 4

Comments

Comment by Dorus van der Kroft [17/Mar/25]

Derrick Kwagala please check if it is still working. And also, please add a process description of how this functionality works so that we can add it to the support documentation.

(N)FT (CMP-53)

[CMP-57] Create a Token Transaction Created: 27/Feb/25 Updated: 21/Apr/25 Resolved: 21/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	<u>(N)FT</u>	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Description

As a **user** of the Cardano Mendix Plugin, I want to **create a fungible token** by selecting a predefined policy or generating a new one, defining its name, symbol, and total supply, and specifying a recipient so that the token is registered as a **native asset** on the **Cardano blockchain** and can be recognized by explorers and wallets that support fungible tokens.

Acceptance Criteria

1. Select or Create Policy

- The user can select an **existing policy** from a predefined list.
- If no policy is provided, a **new policy script** is created automatically.
- The policy should be **reusable** for future token minting or burning (i.e., an open or time-locked policy).

2. Define Token Details

- The user enters a name for the token (e.g., "Landano Credits").
- The user **defines a symbol** (e.g., "LDC").
- The user **specifies the total supply** of the token.

• The token does **not** have a built-in decimals feature, but users should be informed that **wallets interpret divisibility based on convention**.

3. Specify Recipient

- The user provides the recipient's wallet address.
- If no recipient is provided, the tokens are sent to the creator's wallet by default.

4. Register Token on Cardano

- The fungible token is **minted as a native asset** on the **Cardano blockchain** under the selected or created policy.
- The minting transaction is signed and submitted to the blockchain.
- The token is recognized in Cardano explorers and wallets that support native assets.

5. Pay for Minting Fees

• The wallet **initiating the token creation** pays for the **Cardano transaction fees** and the **minimum ADA requirement** for sending the tokens.

6. Token Recognition

- The token should be **discoverable** in Cardano **wallets and explorers** that support native assets.
- Since fungible tokens do **not** require metadata, only the **Policy ID** and **Asset Name** determine its identity.
- If additional metadata is needed (e.g., for off-chain token registries), users must register it separately with relevant third-party services (e.g., Cardano Token Registry).

Technical Considerations

- Policy Handling:
 - If a new policy is created, it should be **flexible** for future minting (if needed) or **time-locked** if a fixed supply is required.
- Decimals & Wallet Compatibility:
 - Cardano does not support decimals natively. Instead, users determine divisibility by convention (e.g., 1 LDC = 1,000,000 base units if using 6 decimal places).
- Transaction Handling:
 - The plugin should construct, sign, and submit the minting transaction using Cardano Client Lib.
- Minimum ADA Requirement:
 - Since native assets require a small amount of ADA to be held in a UTXO, the plugin should handle this automatically when sending the tokens.
- **Off-Chain Registration** (Optional):

• If needed, users can **manually register the token** with the **Cardano Token Registry** or other services to provide additional details like a symbol or description.

Comments

Comment by Dorus van der Kroft [28/Mar/25]

Expected to be delivered on Monday 31th of March.

Comment by Derrick Kwagala [01/Apr/25]

Add Token Burning by 'minting a negative amount'. Preferably use the same Java action unless otherwise. <u>Derrick Kwagala</u>

Comment by Dorus van der Kroft [04/Apr/25]

Review comments:

Java action:

- senderAddress is unused
- additional code for handling metadata has been left in, consider moving this to the Utils class.

UI:

- on confirmation screen the Symbol & Decimals show up
- No validation if the quantity is available
- No validation if a policy has been selected
- Burn of NFT still shows description, metadata, upload image
- No validation on negative quantity when minting or burning

Comment by Dorus van der Kroft [07/Apr/25]

Reviewed, NOK,

- Check on quantity, I can still try and burn more than is available in the wallet
- Burn NFT leads to IPFS error

(N)FT (<u>CMP-53</u>)

[CMP-56] Create a NFT Transaction Created: 27/Feb/25 Updated: 11/Apr/25 Resolved: 11/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	<u>(N)FT</u>	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP	Sprint	5
~pime	01111	opinie	~

Description

User Story: Create an NFT in the Cardano Mendix Plugin

User Role

As a **user** of the Cardano Mendix Plugin, I want to **create an NFT** by selecting a predefined policy or generating a new one, providing a name, uploading an image (stored on IPFS), and specifying a recipient, so that the NFT is registered as a **native token** on the **Cardano blockchain** and can be recognized by explorers and wallets that support NFTs.

Acceptance Criteria

1. Select or Create Policy

- The user can select an **existing policy** from a predefined list.
- If no policy is provided, a **new policy script** is created automatically.

2. Define NFT Metadata

- The user **enters a name** for the NFT.
- The user **uploads an image**, which is stored on **IPFS**, and the returned IPFS **CID** (hash) is associated with the NFT.

3. Specify Recipient

- The user provides the recipient's wallet address.
- If no recipient is provided, the NFT is sent to the creator's wallet by default.

4. Register NFT on Cardano

- The NFT is **minted as a native token** on the **Cardano blockchain** under the selected or created policy.
- The minting transaction is signed and submitted to the blockchain.

5. Pay for Minting Fees

• The wallet **initiating the NFT creation** pays for the **Cardano transaction fees**.

6. NFT Recognition

- The minted NFT is **discoverable** in Cardano **explorers and wallets** that support native assets and NFTs.
- The NFT includes **standard metadata** (e.g., name, image, policy, and description) following Cardano's **CIP-25 or CIP-68 metadata standards** for proper display.

Technical Considerations

- **IPFS Integration**: The image should be uploaded to an **IPFS service** (e.g., Pinata, Infura, or a self-hosted IPFS node).
- Metadata Standard: The NFT metadata follows CIP-25 (legacy) or CIP-68 (newer standard) to ensure compatibility with wallets and explorers.
- **Transaction Handling**: The plugin should **construct**, **sign**, **and submit** the transaction using the **Cardano Client Lib**.
- **Policy Management**: If a new policy is created, the plugin should generate the **policy script**, set the **correct time-lock constraints**, and **store it securely** for future minting.

Transaction handling (CMP-4)

[CMP-51] Update Policy Detail view Created: 25/Feb/25 Updated: 25/Mar/25 Resolved: 25/Mar/25	
Status:	Done
Project:	Cardano Mendix-Plugin
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Transaction handling

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP Sprint 4

Description

- -Once policy is saved, lock the input Only changeable field is Name-
- •
- •
- •
- •

[CMP-49] Handling of other tokens Created: 03/Feb/25 Updated: 25/Mar/25 Resolved: 25/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

CMP Sprint 3, CMP Sprint 4

Description

Currently we only support transactions with ADA. Please update the transaction mechanism to support the transfer of other tokens. These can be FT (Fungible Tokens) and NFT (non-fungible tokens). It should be based on what is available in the wallet.

Comments

Comment by Dorus van der Kroft [03/Feb/25]

Please create a branch to develop this functionality

Comment by Dorus van der Kroft [25/Feb/25]

<u>Derrick Kwagala</u> as discussed. Please allow multiple recipients. Each recipient can then receive an ADA amount and 0 or more tokens (depending on availability in wallet)

Feedback Handling (CMP-48)

[CMP-47] <u>close button doesn't do anything</u> . Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-03-08 at 12.27.41 AM (beff563f-b4f5-4d74-9ec8- 21c8fbe9229f).png
Sprint:	CMP Sprint 4

Comments

Comment by Dorus van der Kroft [25/Feb/25]

Fixed. Now brings you back to the wallet overview

Comment by <u>Aaron Moguin [08/Mar/25]</u>

close button still doesn't do anything, other than turn to a lighter shade of blue. actually the only way to get o

Comment by Dorus van der Kroft [08/Mar/25]

Can't reproduce, close works:

https://www.loom.com/share/edcfb5c2db7b40d186e596ed757a9f6f

Feedback Handling (CMP-48)

[CMP-46] Startup experience Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-03-07 at 11.25.56 PM.png 115352.png	Calimage-20250308-
Sprint:	CMP Sprint 4	

Description

Seeing just the Landano logo at startup might be confusing for new users. What about: "Cardano Mendix plugin - by Landano"

Comments

Comment by <u>Aaron Moguin [08/Mar/25]</u>

not resolved, still says landano at top

Comment by <u>Dorus van der Kroft [</u> 08/Mar/25] Resolved:

This bug was about startup screen. Your screenshot is about after logging in. Could you create a separate bug

I'd say, not blocking for milestone 4 release

Feedback Handling (CMP-48)

[CMP-45] <u>"Select Network" label is not clear</u> Created: 06/Jan/25 Updated: 25/Feb/25 Resolved: 25/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Sprint: CMP Sprint 4

Description

At this stage we are asked to perform a transaction with out wallet. We have already selected the Network in the previous step. This looks like it should be labelled "Select transaction type"

Comments

Comment by Dorus van der Kroft [25/Feb/25]

Fixed. Changed to Transaction Type selection.

Feedback Handling (CMP-48)

[CMP-44] Transaction workflow has "Create Wallet" header Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 08/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Attachments:	Screenshot 2025-03-07 at 11.25.56 PM.png	
Sprint:	CMP Sprint 4	

Description

the top level header should change from "Create Wallet" to "Create Transaction"

Comments

Comment by Dorus van der Kroft [25/Feb/25]

Fixed.

Comment by <u>Aaron Moguin [08/Mar/25]</u>

Looks good!

Feedback Handling (CMP-48)

[CMP-43] Wallet should show opening balance Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 08/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Aaron Moguin	
Resolution:	Done	Votes:	0	
Labels:	None			
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Attachments:	Screenshot 2025-03-07 at 11.25.56 PM.png	
Sprint:	CMP Sprint 4	

Description

It was not clear what testADA balance, if any, my preprod wallet had so I wasn't sure what I could send. I also did not have a test wallet address to send the funds to. I don't know another wallet key to use so have to stop here.

Comments

Comment by Dorus van der Kroft [25/Feb/25]

Fixed. Balance is now updated when transactions are shown

Comment by <u>Aaron Moguin [08/Mar/25]</u>

looks good to me--i can see both my wallet balances, upon opening. "done"

[CMP-42] My Awesome Cardano Transaction Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-03-08 at 12.37.01 AM.png 08 at 12.18.53 AM.png	Screenshot 2025-03-
Sprint:	CMP Sprint 4	

Description

get rid of the autofill text under message metadata, i appreciate the informality but i don't think any autofill should be here.

Comments

Comment by <u>Aaron Moguin [08/Mar/25]</u>

looks great! nothing in the metadata box! i also tested the metadata itself, to see if it captured -- it does, see tra

Comment by <u>Aaron Moguin [08/Mar/25]</u>

could only upload one pic per comment

Comment by Dorus van der Kroft [08/Mar/25]

Fixed. Moved to done

[CMP-41] step labels Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 08/Mar/25	
Status:	Done
Project:	Cardano Mendix-Plugin
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Feedback Handling

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-03-08 at 12.16.07 AM.png
Sprint:	CMP Sprint 4

Description

for me it would be helpful to have more descriptive step labels, to know what's happening.

Comments

Comment by <u>Aaron Moguin [</u> 08/Mar/25]

🞉 Looks good!

[CMP-40] grammar Created: 06/Jan/25 Updated: 25/Feb/25 Resolved: 25/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:

Description

unlock is one word

CMP Sprint 4

[CMP-39] Proper Error handling Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Mar/25	
Status:	Done
Project:	Cardano Mendix-Plugin
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Feedback Handling

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 3, CMP Sprint 4	
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Description

User Story

As a Mendix developer, I want the JA_CardanoTransaction Java action to provide clear and detailed error information, so that I can display user-friendly error messages in Mendix while also capturing technical details for troubleshooting.

Description

We currently have a Java action (JA_CardanoTransaction) that, on success, returns a transaction ID as a String. However, when an error occurs, it simply throws a generic exception. This results in Mendix showing only "An error has occurred" to end users. To improve the user experience and facilitate troubleshooting, the Java action should return a structured result—either a valid transaction ID or a reason for failure—allowing Mendix to display more specific messages for common errors and log full details for developers.

Acceptance Criteria

1. Return Object for Success and Failure

• The JA_CardanoTransaction Java action must return an object or structure (instead of just a String) indicating:

- Success: Contains the transactionId.
- Failure: Contains a short "fault reason" string (e.g.,
 "InsufficientFunds", "NetworkError", "ScriptFailed") for common scenarios, plus any additional info that can help debugging.
- If desired, this can be implemented as a string return that encodes either txId: or error:. Alternatively, a small class could be returned to distinguish success/failure in a more typed manner.

2. Microflow-Level Error Handling

- A Mendix microflow calling the Java action must check the returned object:
 - If success: Show a success message (e.g., "Transaction submitted. ID: {transactionId}

.").

- If failure: Match the "fault reason" to a known set of common errors (e.g., "InsufficientFunds", "ValidationFailed", "NodeConnectionFailed"):
 - Display a user-friendly error message for known errors (e.g., "You do not have enough funds to cover this transaction. Please check your balance.").
 - For unrecognized or "unexpected" errors, show a generic fallback error message (e.g., "Something went wrong while submitting your transaction. Please contact support.").

3. User-Friendly Messaging

- For each of the most common error categories (e.g., Insufficient Funds, Node Connection Error, Transaction Validation Error), the microflow must display short, human-readable text explaining the issue and recommending next steps.
- This messaging must be localizable if the project uses multiple languages (through Mendix constants or text templates).

4. Logging for Detailed Troubleshooting

- The system must log complete exception details (stack trace, root cause) and any relevant context (input parameters, wallet ID, etc.) so developers can analyze issues. This ensures that while end users see concise error messages, developers still have the data required for debugging.
- The logs must be accessible through Mendix logs or external logging, depending on the project infrastructure.

5. No Generic Exceptions Propagated to End Users

- End users must not see generic system messages (e.g., "java.lang.NullPointerException"). Instead, the microflow must catch and interpret or map the error to a user-friendly message.
- The final user interface message for any error scenario must be clear, e.g., "Transaction failed due to insufficient funds" or "Network unreachable."

6. Verification / Testing

- A test suite or manual testing must be performed for each major error type:
 - 1. **Insufficient Funds**: Java action returns a fault reason reflecting a balance issue.
 - 2. Node Offline / Network Error: Java action returns a fault reason for network failure.

- 3. **Transaction Validation Error**: Java action returns a fault reason for invalid data.
- 4. Script Execution Error (if applicable).
- 5. Unexpected Internal Error: The microflow logs the details and displays a generic fallback.

[CMP-38] Design and Layout Not Adjusted Based On Figma Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Mar/25	
Status:	Done
Project:	Cardano Mendix-Plugin
Components:	None
Affects versions:	None
Fix versions:	None
Parent:	Feedback Handling

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP Sprint 4
Sprine.	cin opinici

Description

The design and layout isn't adjusted based on my figma design.

- Colors of wallets are harsh green
- Base address and stake address should be copiable with a button
- No information given in transactions whether it momeu was received or sent. as well the amount received or sent isn't displayed, you only see and adjusted balance after refresh

Comments

Comment by Dorus van der Kroft [16/Mar/25]

We have decided that we are not going to implement the full design of Landano but only apply simple design elements that stay close to how Mendix is designed out of the box. This is because the Cardano Mendix Plugin is mainly aimed at Mendix developers who will include the plugin in their projects will have a totally different styling.

[CMP-37] Typo and Unclear what certain functions do Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Attachments:	Screenshot 2025-03-08 at 12.44.01 AM.png	
Sprint:	CMP Sprint 4	

Description

Un lock transaction hash has a typo

not sure what lock transaction hash or unlock transaction hash does. We should add a helper to this

Comments

Comment by <u>Aaron Moguin [08/Mar/25]</u>

the unlock typo has been fixed but i still don't know what locking and unlocking does...AND: Smart Contrac

Comment by Dorus van der Kroft [08/Mar/25]

These are technical terms for interacting with a smart contract on the Cardano blockchain. Basically you 'loc

Multi Sig (CMP-52)

[CMP-36] Confusion on this page Created: 06/Jan/25 Updated: 25/Mar/25 Resolved: 25/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Multi Sig	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP Sprint 4
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Description

Besides the fact that the typography doesn't allow to grasp hierarchy of information, it also is unclear what this page does.

Questions:

- Why is the title Treasury if it's called multi-sign in nav bar
- what is script hash
- Why are the words Required in large text
- Mandate, what is that, no description given. Assumption would be rules for multisign smart contract.
- 2 search buttons on screen with no info given. I know on click of left one a search box appears for script hash search, but still don't know what that means. More description text is needed
- Don't understand what button "Reset" will do, reset what, wording should be clearer.
- Transactions new delete and sign. This should be grouped seperately from the rest, layout should be redesigned. And it should be on top of page. Then theres also the button create transaction, which I thought was for the button "New" under transactions.

[CMP-35] Proper error handling of failing transactions Created: 16/Dec/24 Updated: 21/Apr/25		
Status:	Closed	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 3, CMP Sprint 4, CMP Sprint 5, CMP Sprint 6

Comments

Comment by Dorus van der Kroft [11/Mar/25]

Closed, duplicate

[CMP-34] Metadata capped at 64 characters Created: 16/Dec/24 Updated: 25/Mar/25 Resolved: 25/Mar/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 4

Description

Make it possible to add longer metadata. It's currently capped at 64 characters but it is possible to facilitate longer strings by splitting them up in 64 character parts. Preferably this should be handled by the cardano client library.

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- - Add validation to make sure we don't hit transaction size limit

[CMP-33] Fix navigation Created: 15/Dec/24 Updated: 06/Jan/25 Resolved: 06/Jan/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 2

Description

When collapsed the text is still visible. Only the icon should be visible.

Check the LandanoMx project to see how to put the profile up in the navigation with the correct styling

[CMP-32] <u>Amount field no longer visible when creating a transaction</u> Created: 15/Dec/24 Updated: 21/Dec/24 Resolved: 21/Dec/24		
Status: Done		
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified	Not Specified		
Original estimate:	Not Specified	Not Specified		

Sprint:

CMP Sprint 2

^L ,[CMP-31] <u>ed</u>	[CMP-31] edit and correct this text Created: 15/Dec/24 Updated: 25/Mar/25 Resolved: 08/Mar/25		
Status:	Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Feedback Handling		

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Attachments:	Control Contro	Screenshot 2025-03-08 at
Sprint:	CMP Sprint 4	

Description

Comments

Comment by <u>Aaron Moguin [08/Mar/25]</u>

🞉 Looks good!

^[] [CMP-30] <u>re</u>	[CMP-30] refresh button : make it more obvious! Created: 15/Dec/24 Updated: 21/Apr/25		
Status:	Closed		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Feedback Handling		

Type:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Unresolved	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP Sprint 4, CMP Sprint 5, CMP Sprint 6

[CMP-29] i cannot log out! Created: 15/Dec/24 Updated: 21/Dec/24 Resolved: 21/Dec/24		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

 Sprint:
 CMP Sprint 2

 Description

aaron typed this.

[CMP-28] no home button Created: 15/Dec/24 Updated: 06/Jan/25 Resolved: 06/Jan/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Done Votes:		
Labels:	None			
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Sprint:

CMP Sprint 2

Description

no way to return to the main or intro screen or page here? i can't find anything to click on that does that

[CMP-27] wallet address not receive test ada Created: 15/Dec/24 Updated: 25/Mar/25 Resolved: 24/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	0		
Labels:	None			
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified	Not Specified		
Original estimate:	Not Specified			

Sprint: CMP Sprint 4

Description

i did not receive test ada into the wallet. first time, the transaction did not register, the hash had no record attached to it. second attempt, the hash revealed a transaction, but the ada never arrived in the wallet.

UPDATE: the ada was sent to the stake wallet, but never showed up as a balance here in sandbox. here's the hash for the second transaction:

8e6624ee692e640022391f8c651732f4be9f307ab02ce21beb6518ea274cc3fc

Comments

Comment by Dorus van der Kroft [25/Feb/25]

Balance was not properly updated, only by pressing refresh button. Now balance is loaded together with the transactions.

Comment by <u>Aaron Moguin [08/Mar/25]</u>

this is still a problem. the plugin interface told me the transaction was successful (between my two test wallets) but the hash <u>https://t.ly/o1Jdu</u> has no content and no balance has moved between my two wallets.

UPDATE: balance corrected after another ~ 20 minutes, and only after a screen refresh. as in dorus' comment below from feb 25. I would think this should be fixed if possible so that it autorefreshes, again if possible.

Comment by Dorus van der Kroft [08/Mar/25]

<u>Aaron Moguin</u> it doesn't auto refresh. It needs a user action to refresh. Preprod can also be a bit slower. So, I'm counting this as done.

[CMP-26] landano font Created: 15/Dec/24 Updated: 06/Jan/25 Resolved: 06/Jan/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Done Votes:		
Labels:	None			
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified	Not Specified		
Original estimate:	Not Specified			

Sprint:

CMP Sprint 2

Description

in your walkthrough (recorded video from aug 6 meeting) the font is right. here it is not

[CMP-25] <u>add copy buttons for the base and stake addresses</u> Created: 15/Dec/24 Updated: 25/Feb/25 Resolved: 25/Feb/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Feedback Handling	

Туре:	Bug	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft	
Resolution:	Done Votes:		0	
Labels:	None			
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Sprint: CMP Sprint 4

Comments
Comment by Dorus van der Kroft [25/Feb/25]
Implemented.

[CMP-24] Consider creating a copy button Created: 15/Dec/24 Updated: 21/Apr/25			
Status:	Closed		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Feedback Handling		

Туре:	Bug	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Unresolved Votes:		0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

C	CMD Sumint 1	CMD Sumint 5	CMD Sumint (
Sprint:	CMP Sprint 4,	CMP Sprint 5,	CMP Sprint 6

Description

A copy button would save time and also ensures that the address is copied correctly

Comments

Comment by <u>Dorus van der Kroft [25/Feb/25]</u> Closed. Duplicate

[CMP-23] Upgrade to latest version of the Landano Core design module Created: 17/Nov/24 Updated: 01/Apr/25 Resolved: 01/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:

CMP Sprint 5

General Setup (CMP-22)

[CMP-21] Create a UI/UX Document Created: 15/May/24 Updated: 17/Nov/24 Resolved: 17/Nov/24		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	General Setup	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP Sprint 1

Description

In Figma create a UI/UX document:

- UX/UI Server Side Wallet
- UX/UI Client Side Wallet •
- UX/UI Management pagesOverall look and feel of application

Query the chain (CMP-10)

[CMP-19] Ouery Transaction Details Created: 13/May/24 Updated: 21/Apr/25 Resolved: 21/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Query the chain	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint:	CMP Sprint 5	
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Description

As a developer, I want to provide functionality to query detailed information about transactions, such as transaction IDs, amounts, and participants, enabling thorough tracking and auditing within the application.

Comments

Comment by Dorus van der Kroft [11/Apr/25]

This has been implemented using the blockfrost api. Also the transactions for a wallet are shown and if they have metadata then that will be displayed as well.

[CMP-17] Transaction Submission Process Created: 13/May/24 Updated: 17/Nov/24 Resolved: 17/Nov/24		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Transaction handling	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 1

Description

As a developer, I need to create a smooth and reliable process for users to submit their transactions to the Cardano network directly from the Mendix application.

Acceptance Criteria

- The transaction has been submitted
- A valid transaction id has been returned and can be verified on the cardano blockchain

[CMP-16] Facilitate Transaction Signing Created: 13/May/24 Updated: 17/Nov/24 Resolved: 17/Nov/24		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Transaction handling	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 1	
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Description

As a developer, I need to enable users to interact with smart contracts directly from the Mendix platform, ensuring that these interactions are secure and efficient.

Acceptance criteria

• The transaction has been signed

Cardano Wallets Integration (CMP-1)

[CMP-13] Client-Side Wallet Connectivity (CIP-30) Created: 13/May/24 Updated: 11/Apr/25 Resolved: 11/Apr/25		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Cardano Wallets Integration	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 5

Description

As a user, I want to connect my Cardano wallet directly from the client-side application, using CIP-30 to ensure secure interactions with the blockchain.

Cardano Wallets Integration (CMP-1)

[CMP-12] Implement Wallet Recovery Created: 13/May/24 Updated: 21/Dec/24 Resolved: 21/Dec/24		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Cardano Wallets Integration	

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Unassigned
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 2

Description

As a developer, I need to implement wallet recovery systems to ensure users can regain access to their wallets in case of lost credentials.

Cardano Wallets Integration (CMP-1)

[CMP-11] Server-Side Wallet Creation Created: 13/May/24 Updated: 21/Dec/24 Resolved: 21/Dec/24			
Status:	Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Cardano Wallets Integration		

Туре:	Story	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	0 minutes			
Time Spent:	5 hours, 20 minutes			
Original estimate:	Not Specified			

Sprint:	CMP Sprint 1, CMP Sprint 2

Description

As a developer, I want to be able to create and manage wallets on the server so that they can securely store user keys and manage Cardano assets.

- Create
 - Display mnemonic 12 / 24 word phrase
 - Confirm mnemonic
 - Set password
 - o Save
- Restore
 - Restore from mnemonic
 - Set password
 - Save
- View Details
 - \circ Balance
 - Address
- View Overview
 - \circ Overview of wallets
 - Balance per wallets
 - \circ Buttons for detail

Components needed:

Cardano Java Library <u>https://github.com/bloxbean/cardano-client-lib</u> Blockfrost integration Use cardano blockchain explorer to check a transaction <u>https://beta.explorer.cardano.org/en/</u>

Comments

Comment by Dorus van der Kroft [05/Jul/24]

As discussed, we'll make use of two passwords. One to login to the Mendix platform, a separate password to sign the transactions. This will basically decrypt the mnemonic phrase and use it for the transaction. The mnemonic phrase should only have write access, no read access for any users and should be stored in the database encrypted by making use of the encryption module.

Comment by Derrick Kwagala [15/Jul/24]

Tasks for 15th July 2024

- 1. Complete a transaction on the blockchain.
 - 1. store an encrypted mnenomic
 - 2. retrieve account using the mnemonic (ja)
 - 3. send some ADA to the test accounts from one test account.
 - 4. receive some ADA to the newly created account.

Query the chain (CMP-10)

[CMP-9] Check Transaction Status Created: 30/Apr/24 Updated: 17/Nov/24 Resolved: 17/Nov/24			
Status:	Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Query the chain		

Туре:	Story	Priority:	Medium		
Reporter:	Dorus van der Kroft	Assignee:	Unassigned		
Resolution:	Done	Votes:	0		
Labels:	None	None			
Remaining Estimate:	Not Specified				
Time Spent:	Not Specified				
Original estimate:	Not Specified				

Description

As a developer, I want to enable users to check the status of their submitted transactions, ensuring they can quickly determine if a transaction was successful or failed.

Technical implementation

Querying of the data will be handled using the API of blockfrost:

https://blockfrost.dev/api/blockfrost-io-api-documentation

Acceptance criteria

- The account balance is retrieved
- After a successful transaction the account reflects the new balance
- The transaction is displayed to the user on a time line

Comments

Comment by Derrick Kwagala [09/Aug/24]

Dorus van der Kroft Here's a video for the Transaction history.

https://www.loom.com/share/0360253dbf8644dc99fed9e750b4e3fd

[CMP-8] Implement Smart Contract Interactions Created: 30/Apr/24 Updated: 25/Mar/25 Resolved: 25/Mar/25			
Status:	Status: Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Transaction handling		

Туре:	Story	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Sprint: CMP Sprint 3, CMP Sprint 4

Description

As a developer, I need to enable users to interact with smart contracts directly from the Mendix platform, ensuring that these interactions are secure and efficient.

Please make sure to have this in a 3 step process:

- 1. Create the contract in Mendix With the compiled code and set the address
- 2. Lock the funds into the smart contract With the datum
- 3. Unlock the funds from the smart contract By providing the 'secret'

Also, make sure that the UI flow is done correctly. When you press 'Save' close the screen

Comments

Comment by Derrick Kwagala [24/Feb/25]

• handled the HelloWorld example.

Comment by Dorus van der Kroft [21/Mar/25]

Please make sure to have this in a 3 step process:

- 1. Create the contract in Mendix With the compiled code and set the address
- 2. Lock the funds into the smart contract With the datum
- 3. Unlock the funds from the smart contract By providing the 'secret'

Also, make sure that the UI flow is done correctly. When you press 'Save' close the screen Comment by <u>Dorus van der Kroft [24/Mar/25]</u> Clean up logging

[CMP-7] Integrate Native Token Transactions Created: 30/Apr/24 Updated: 25/Mar/25 Resolved: 25/Mar/25			
Status:	Status: Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Transaction handling		

Туре:	Story	Priority:	Medium
Reporter:	Dorus van der Kroft	Assignee:	Derrick Kwagala
Resolution:	Done	Votes:	0
Labels:	None		
Remaining Estimate:	Not Specified		
Time Spent:	Not Specified		
Original estimate:	Not Specified		

Sprint: CMP Sprint 3, CMP Sprint 4

Description

As a developer, I want to provide support for creating and managing transactions involving native tokens, not just ADA, within the Mendix environment

Both NFTs as FTs should be supported.

On the UI make it possible to add one ore more recipients. Per recipient allow 1 ADA value and allow 0 or more tokens.

The user should be allowed to enter an ADA value which should be converted to lovelace

For other tokens we will only allow integer values

A transaction should be validated before signing to see if the wallet has enough balance for ADA as well as tokens

[CMP-6] Support Multi-Signature Transactions Created: 30/Apr/24 Updated: 25/Mar/25 Resolved: 25/Mar/25			
Status:	Done		
Project:	Cardano Mendix-Plugin		
Components:	None		
Affects versions:	None		
Fix versions:	None		
Parent:	Transaction handling		

Туре:	Story	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Dorus van der Kroft	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified			
Original estimate:	Not Specified			

Sprint:	CMP Sprint 3, CMP Sprint 4

Description

As a developer, I need to implement the capability for users to create multi-witness transactions to enhance security and meet complex transaction requirements.

- Create a Multisig Script (DONE)
- Add witnesses or signatories (90% WIP)
- Transfer funds to the scripts from any wallet (WIP)
- Transfer funds from the script to a single recipient address.
 - Handle to multisig signing
- Error handling!

[CMP-5] Build Transfer Transactions Created: 30/Apr/24 Updated: 17/Nov/24 Resolved: 17/Nov/24		
Status:	Done	
Project:	Cardano Mendix-Plugin	
Components:	None	
Affects versions:	None	
Fix versions:	None	
Parent:	Transaction handling	

Туре:	Story	Priority:	Medium	
Reporter:	Dorus van der Kroft	Assignee:	Unassigned	
Resolution:	Done	Votes:	0	
Labels:	None	None		
Remaining Estimate:	Not Specified			
Time Spent:	Not Specified	Not Specified		
Original estimate:	Not Specified			

Sprint:	CMP Sprint 1

Description

As a developer, I want to enable users to construct simple ADA transfer transactions within the Mendix application, ensuring a straightforward process for basic transactions.

Context

The following transactions will be supported by the plugin

- Simple Transfer
- Transfer with MetaData
- Multi-sig transfer
- NFT creation & transfer
- Smart Contract transaction

This story concentrates on the simple transfer which will do the following.

Acceptance criteria

• The user has an option to transfer an ADA amount to a recipient using the wallet created via the Cardano Mendix plugin

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