

Tempo support DRep to connect Delegators (CIP-1694)

- User interface design
 - [Figma link](#)
- Detail requirements
 - Homepage screen

Section	Element	Detail requirement
Become a DRep		<ul style="list-style-type: none">• Show this section when users are not DRep and have delegated to DRep• Show Text: "Help to grow Cardano by becoming an active voter. ADA holders can delegate their voting power to you"
	Register as a DRep button	When a user clicks on this button, the system opens the wallet extension to connect After connecting the wallet, open Register as a DRep screen
Delegate to DRep	Note	Show note: "Find a DRep, review their profile, and delegate your voting power to them" when users have delegated to any options
	Search box	<p>Users can search for a DRep by pasting/typing the DRep ID here</p> <ul style="list-style-type: none">• The system will search on all DReps of Cardano and display all DReps with IDs containing the keyword the user searched for on the screen• Click on the More icon to select other delegation options:<ul style="list-style-type: none">◦ Signal no confidence◦ Vote abstain as default• Signal no confidence: when the user clicks on this action<ul style="list-style-type: none">◦ If a user hasn't connected his/her wallet:<ul style="list-style-type: none">■ Open Popup Connect Wallet for the User to connect the wallet. After the user connects wallet, open the wallet for a user to sign the transaction◦ If a user has connected his/her wallet:<ul style="list-style-type: none">■ Open Wallet for the user to sign the transaction◦ After the transaction is completed:<ul style="list-style-type: none">■ Display Toast Message: "Signal no confidence successfully"

		<ul style="list-style-type: none"> ■ The user signals no confidence in the current Constitution Community, which means: <ul style="list-style-type: none"> ● The system automatically votes Yes to all of the No Confidence Proposals and vote No to the other proposals ● Vote abstain as default <ul style="list-style-type: none"> ○ If a user hasn't connected his/her wallet: <ul style="list-style-type: none"> ■ Open Popup Connect Wallet for the User to connect the wallet. After the user connects wallet, open the wallet for the user to sign the transaction ○ If a user has connected his/her wallet: <ul style="list-style-type: none"> ■ Open Wallet for a user to sign the transaction ○ After the transaction is completed: <ul style="list-style-type: none"> ■ Display Toast Message: "Vote abstain as default successfully" ■ The system automatically votes Abstain to from all the proposals
Delegate to DRep		<p>Display DRep info that the user has delegated DRep information:</p> <ul style="list-style-type: none"> ● Photo ● DRep name ● Twitter/LinkedIn ● Registration date ● Active voting power ● Live voting power ● Delegators ● Voted rate ● Not Voted rate <p>Click on More icon: allow copy DRep ID in CIP-105 and CIP-129</p>
DReps with the Largest Voting Power Change	DRep list	<p>Show 20 DReps with the largest voting power change</p> <p>The list will be sorted by Descending order of $N = \text{active voting power last epoch} - \text{active voting power (last epoch-1)}$</p>

- Register as a DRep screen

Section	Field name	Detail requirement
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General information	DRep name	<ul style="list-style-type: none"> • This field can not contain whitespaces • Max 80 chars. Don't allow the user to input more than 80 chars • Display an alert message when the user inputs a whitespace <ul style="list-style-type: none"> • This field can not contain whitespaces • Required field
	Upload your photo	<ul style="list-style-type: none"> • Allow user upload picture follow CIP-119 • Optional
Additional information	Email	<ul style="list-style-type: none"> • Check the format email, and display the error message if inputting the wrong format <ul style="list-style-type: none"> ◦ Invalid email address • Optional field
	Bio	<ul style="list-style-type: none"> • Optional field
	Objectives	<ul style="list-style-type: none"> • Limit 1000 chars • Display red colors when user input over limit • Optional field
	Motivations	<ul style="list-style-type: none"> • Limit 1000 chars • Display red colors when user input over limit • Optional field
	Qualifications	<ul style="list-style-type: none"> • Limit 1000 chars • Display red colors when user input over limit • Optional field
	Payment address	<ul style="list-style-type: none"> • Allow user input payment address follow CIP-119 • Optional field
References/ Links	Twitter	<ul style="list-style-type: none"> • Check the format of Twitter: https://x.com/, display error <ul style="list-style-type: none"> ◦ Invalid Twitter URL • Optional field
	LinkedIn	<ul style="list-style-type: none"> • Check the format of LinkedIn: https://linkedin.com/, display error <ul style="list-style-type: none"> ◦ Invalid LinkedIn URL • Optional field

Links to extra content or social media contacts	Description and URL	<ul style="list-style-type: none"> • Description for the URL, so 2 fields will display together • When user click "x" will delete 2 fields • When user click add link button => will display 2 fields: Description and URL • Optional field
Store and maintain the your data		<ul style="list-style-type: none"> • Default: checked • Required field
DRep community	Activate DRep Community	<ul style="list-style-type: none"> • Default: on • If this toggle is on: <ul style="list-style-type: none"> ◦ Display: Community activation fee in the bottom ◦ When user click next will create DRep community (Rule create DRep Community: v1.0 DRep Profile#,My%20community,-Primary%20Button) • Else: <ul style="list-style-type: none"> ◦ Don't display the text "Community activation fee" ◦ Don't create Drep community when user clicks next button
	Note	<ul style="list-style-type: none"> • Show note: "By clicking register you create your DRep ID within your wallet and become a DRep. Your voting power will be automatically delegated to you and you can also receive voting power from other ADA holders"
	Refundable Deposit	<ul style="list-style-type: none"> • Show the Amount of ADA DRep need to deposit, which can be refund after • Show icon : DRep can click here to see more info about the field if they do not understand • Show info: You will be refunded your deposit when you retire

	Community activation fee	<ul style="list-style-type: none"> • Display 2 ADA if Activate DRep community is on: This fee helps reduce junk and ensures a meaningful community environment
	Register	<ul style="list-style-type: none"> • Enable when all required field is filled • When user check register • The system will export a file with the format: <DRepId>.jsonId and public this file in a URL public to save on-chain about DRep info • Call to the wallet extension for signing the transaction as current follow • Support DRep ID for both CIP-105 and CIP-129

- DRep profile screen

Section	Field name	Detail requirement
Become a DRep	Header	Only display when a user clicks on the "Your DRep Profile menu and they haven't connected the wallet or has not registered as a DRep
General DRep info	View DRep info	<p>If a user are DRep, the system will display their DRep profile</p> <ul style="list-style-type: none"> • Display DRep info section including: <ul style="list-style-type: none"> ○ DRep name: display DRep name is registered in Register step ○ DRep photo: Always display <ul style="list-style-type: none"> ■ If user don't upload a photo => display default photo for avatar ○ Twitter: <ul style="list-style-type: none"> ■ display icon when user has twitter link ■ Click to link to twitter ○ LinkedIn

		<ul style="list-style-type: none"> <ul style="list-style-type: none"> ■ Display icon when user has LinkedIn link ■ Click to link to LinkedIn ○ Email: <ul style="list-style-type: none"> ■ if a user didn't input this field: don't display ○ Link: <ul style="list-style-type: none"> ■ Display description and link ○ if a user didn't input this field: don't display ● Bio <ul style="list-style-type: none"> ○ if a user didn't input this field: don't display ● Objectives <ul style="list-style-type: none"> ○ Display "No data" in case user didn't input ● Motivations <ul style="list-style-type: none"> ○ Display "No data" in case user didn't input ● Qualifications <ul style="list-style-type: none"> ○ Display "No data" in case user didn't input ● Don't display if the fields don't have the data
	Edit info button	<ul style="list-style-type: none"> ● Only display when a DRep view their DRep profile ● When a DRep clicks on Edit info: Open the Edit DRep Info screen
	Registration date	<ul style="list-style-type: none"> ● Display the time this DRep register as a DRep success (on-chain data) ● Format: YYYY-MM-DD
Voting Power	Active voting power	<ul style="list-style-type: none"> ● Show the Voting Power of DRep ● Show the info icon about voting power for user ● Voting power is calculated as CIP-1694: total delegated voting power. Please note that, this our system, after a user registers a DRep → the system will auto-delegate their voting power to themselves
	Live voting power	Voting power of a DRep updated near realtime

	Delegators	<ul style="list-style-type: none"> The number of Delegators delegated to this DRep
	Status	<ul style="list-style-type: none"> Status of DRep Include 3 value: Active, inactive and Retired (if DRep is inactive on Cardano: <ul style="list-style-type: none"> Registered DReps will need to vote regularly to be considered Active. Specifically, if a DRep does not submit any votes for a particular number of epochs (new parameter drepActivity), the DRep will be considered Inactive.
	Vote rate	<ul style="list-style-type: none"> The percentage of proposals which are voted by this DRep (regardless of yes, no or abstain votes) in relation to the total proposals when starting CIP-1694 mainnet Data real time
	Not Vote rate	<ul style="list-style-type: none"> The percentage of proposals which are not voted by this DRep in relation to the total proposals when starting CIP-1694 mainnet Data real time
	DRep's community	<ul style="list-style-type: none"> Click: Open Tempo corresponds to DRep ID to see DRep community Noted that: <ul style="list-style-type: none"> When a user register as a DRep on our system, the system will create a community corresponds to this DRep ID if user activate DRep community A DRep (registers on other system) after connecting to our system, DRep click on My Community will show the popup to inform for DRep need to activate the community (case 1 in UI popup) The community is created will have the setting as below: <ul style="list-style-type: none"> Community type: DRep_community

		<ul style="list-style-type: none"> ○ Condition to create internal poll: <ul style="list-style-type: none"> ■ Check if a user delegated for that DRep at the current time -> Allow to create proposal ○ Condition to vote: <ul style="list-style-type: none"> ■ Check voting power of this user at the snapshot time (the beginning of the epoch of starting voting period for that poll) if this user delegated to this DRep at the snapshot time => Allow to vote on this poll ○ Allow voters to change their vote during the voting period: yes ○ Quorum: 51% ○ How to calculate voting power on proposals: total delegated ADA to DRep at starting of epoch of start voting period. Noted: with DRep is total hold ADA in their own, don't count total delegated voting power of delegators
	Copy Profile URL	<ul style="list-style-type: none"> ● User can share the link to his/her profile by clicking on this button ● Click: <ul style="list-style-type: none"> ○ Help user copy profile url and display: "Copied to clipboard" ● When anyone received the link and they click on the link: will link to DRep Profile screen
Voting history		<ul style="list-style-type: none"> ● Display voting history of DRep on Cardano chain (data real time): <ul style="list-style-type: none"> ○ If the DRep hasn't voted, show: "Data not found" ○ If the DRep has voted, show the voting history table <ul style="list-style-type: none"> ■ Sort by Date:

		<ul style="list-style-type: none"> newest first ■ Limit: Only display the first 20 values <ul style="list-style-type: none"> ● User can scroll down to see more values ● With each scroll down, display additional 20 values
	Date	<ul style="list-style-type: none"> ● Show the date when DRep vote to on the proposal ● Format: YYYY-MM-DD, hh-mm
	Governance Action	<ul style="list-style-type: none"> ● Display Governance name and this is a link, when user click on this link, the system will option this governance in cexplorer.io <ul style="list-style-type: none"> ○ for example: https://cexplorer.io/governance/1
	Type	<ul style="list-style-type: none"> ● Show the type of the proposal: <ul style="list-style-type: none"> ○ There are total 7 types including: <ul style="list-style-type: none"> ■ Motion of no-confidence ■ New constitutional committee and/or threshold and/or terms ■ Update to the Constitution or proposal policy ■ Hard-Fork2 Initiation ■ Protocol Parameter Changes ■ Treasury Withdrawals ■ Info
	Vote	<ul style="list-style-type: none"> ● Show the recorded vote action of DRep to the proposal, which can be: <ul style="list-style-type: none"> ○ Yes ○ No ○ Abstain

	Scroll Up Icon	<ul style="list-style-type: none"> • Display this button when user scroll down to help user scroll up faster
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- Edit the DRep info screen

Section	Field name	Detail requirement
General information	DRep Name	<ul style="list-style-type: none"> • Fill DRep info in this form • The same logic in Register as a DRep form
	Upload your photo	<ul style="list-style-type: none"> • Fill DRep info in this form • The same logic in Register as a DRep form
Additional information	Email	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	Bio	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	Objectives	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	Motivations	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	Qualifications	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	Payment address	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
References/ Links	Twitter	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	LinkedIn	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
	Description and URL	<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen

		<ul style="list-style-type: none"> • Get the current info • The same logic as Register as a DRep screen
Store and maintain the your data		<ul style="list-style-type: none"> • Required field
	Submit	<ul style="list-style-type: none"> • Submit DRep info and save DRep info follow CIP-119