Flowchart to illustrate the user-smartcontract interaction

Webinterface shows initial lambda value

A user clicks "Register me"

The java script on user-side computes the initial value of the shared ressource and sends it to the smart contract..

Is the user already registered in the smart contract? — yes

no

The smart contract notices the registration of the user and initializes the address and the corresponding value of the shared resource.

Are all nodes initialized? — no

yes

The smart contract computes the new lambda value.

The lambda value is shown in the webinterface.

The java script on user-side notices that lambda was changed. It computes the new value for the shared resource and sends it to the smart contract.

The smart contract notices the change of the resource variable and computes a new lambda.

Is a termination criterion reached? — no

yes

End