

BLOOD DONATION BLOCKCHAIN

Code flow:

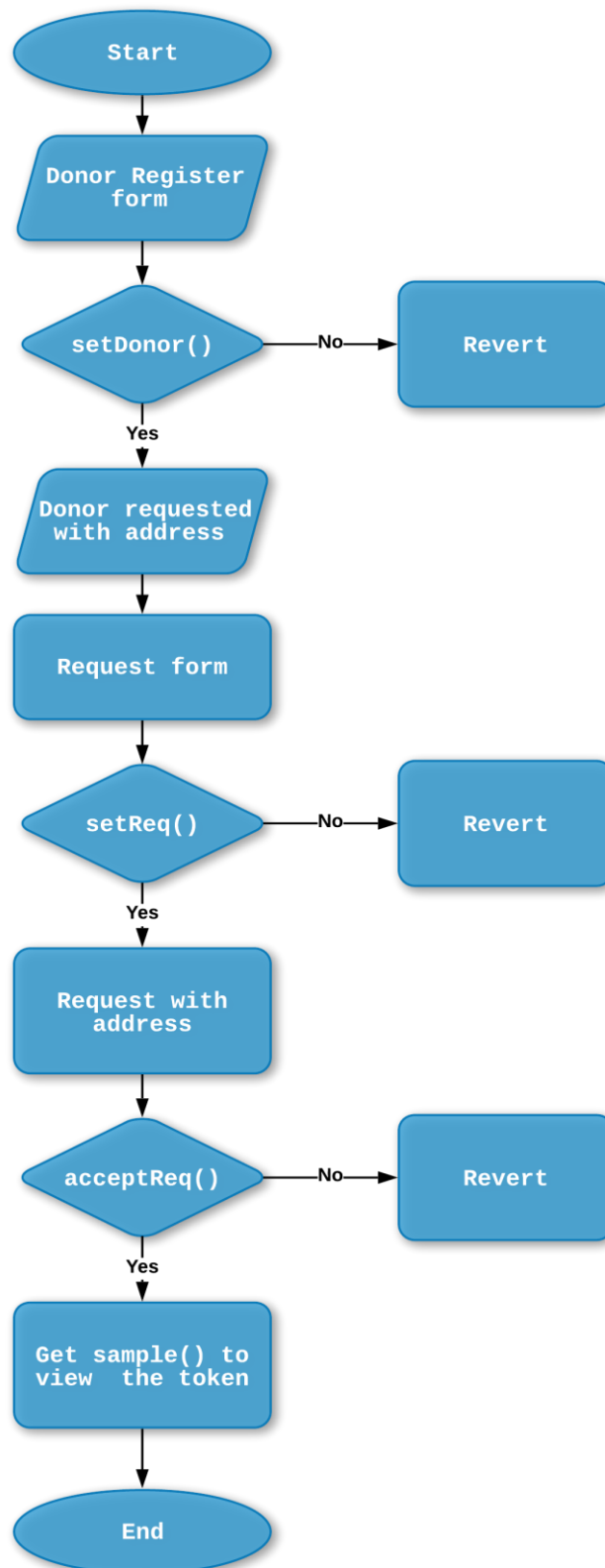


Fig. 1

Functions() :

1. `setDonor()`: used for donor registration. This function enables donors to register in the blockchain. An address will be assigned to each registered donor. The donor will be registering to blockchain by providing details such as name, gender, age, place, blood group, mobile number, medical conditions etc are mapped to the address. This function checks various conditions to execute.
2. `getSample()`: used for viewing potential blood donors. This function returns the details of sample donated by the donor.
3. `setReq()`: used for requesting blood from a potential donor. The request includes the details of bloodgroup and location which is mapped to an address.
4. `getReq()`: used for viewing the blood requests. This function returns the request details.
5. `acceptReq()`: used to accept request from the requestees / blood requests. This function checks various conditions to execute.