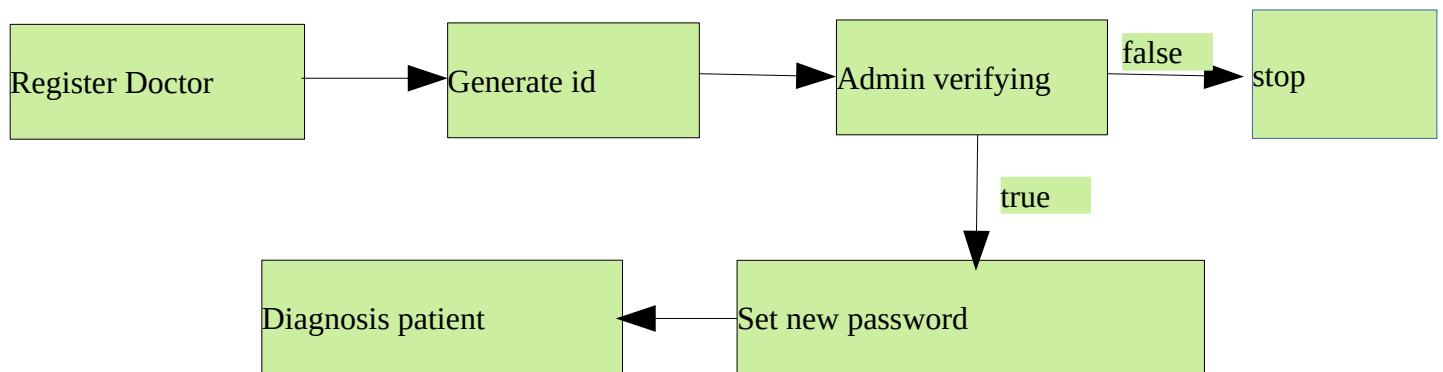


MEDICHAIN

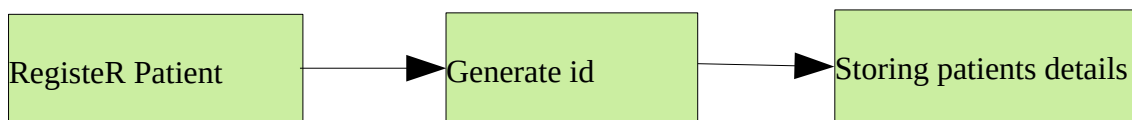
The Medichain Dapp manages the patient record book with the help of blockchain technology. It helps doctor and patients to check the patient conditions

The below are the Dapp flow diagrams

DOCTOR SECTION



PATIENTS SECTION



Functions()

- **setnewAdmin()**

Deployed owner can set new owner by calling this function. parameter is (address admin)

- **Regdoc()**

Registering new doctor .While registering smartcontract will generate unique id. Verification set as false while registering. Parameters are (id,name,__gender,__category,post,disipline,stateCouncil,false)

- **verifyDoctor()**

only verifier can verify the doctor. parameters are(bool verfiedstatus, uint256 id)

- **GetDoc()**

This function will return details of doctor;

- **setPassword()**

Verified doctor can set password for their id

- **Regpatit()**

Registering patient by hospital or verifier parameters are (name,__gender,dob,age,blood).while entering details of patient smartcontract will generate unique id.and patient details will store in mapping named patient. Event name regpat will emit

- **diagnosis()**

Only verified doctors and patient can view the patient checkup details. Store it in blockchain.

Frontend Working

The user interface is made as simple as possible to make simplified and easy for the user to

use. When the Dapp is run <http://localhost:3000> The Doctor can register on clicking button . After registering the event will generate, and can view the requests with blocknumber and transaction hash.

Next admin will check the details that given by doctor and will set true if he is eligible or else set as false.

Patients datas are entered by hospital staff or owner. While creating patients data,a unique id will generate.

Only verified doctors and patient can view the record of the patients

Future Enhancement

Currently in this project ,patients need to come to hospital to checkup,Every patients checkup are did by hospital, after checkup the doctor will update the condition.in future enhance for thi s project ,the hospital will give watch or patients can buy AI watch from related store.it will update if the patients condition worse or it will alert to hospital,or ptients doctor about his heart rate and pressure