# Project Documentation
WeHealth

Assumptions:

- We allow only images of the format png, jpg, and jpeg. These are the common file formats.
- No spaces allowed in image file names.
- Also a patient can only book one doctor at a time until the appointment is completed.
- Only unique IDs and Usernames are accepted.
- Please import the certificate before connecting to the website.
- The payment includes the pharmacy-medicines that the doctor has prescribed.
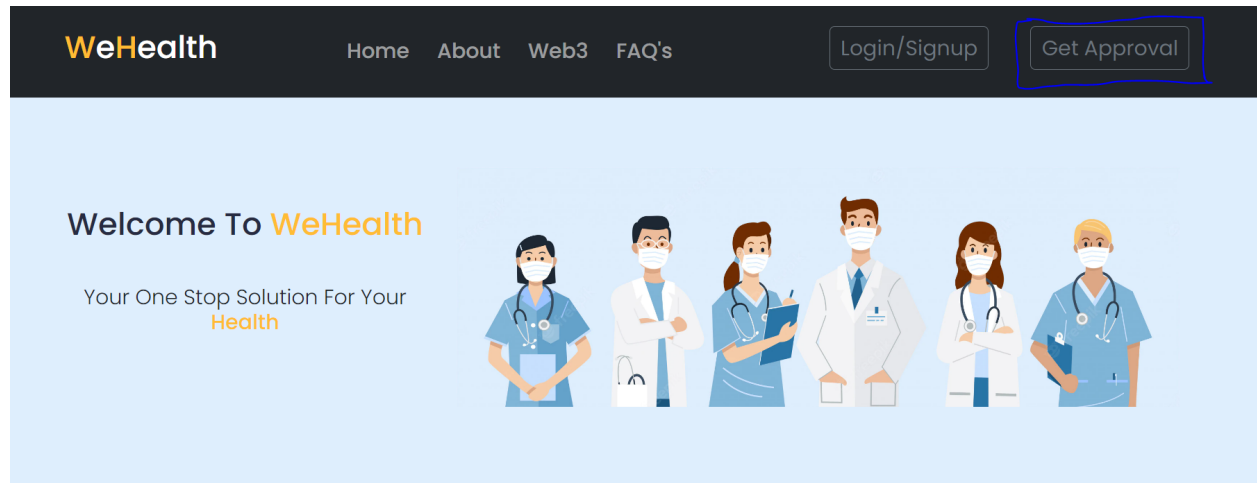
Link to certificate:

https://drive.google.com/drive/folders/1iVMKI6Ee3c7fPiKVn54jlVKRqR68gXRh?usp=sharing

As mentioned here below under manage certificates. Please import the cert file under authorities and include the certificate attached along.
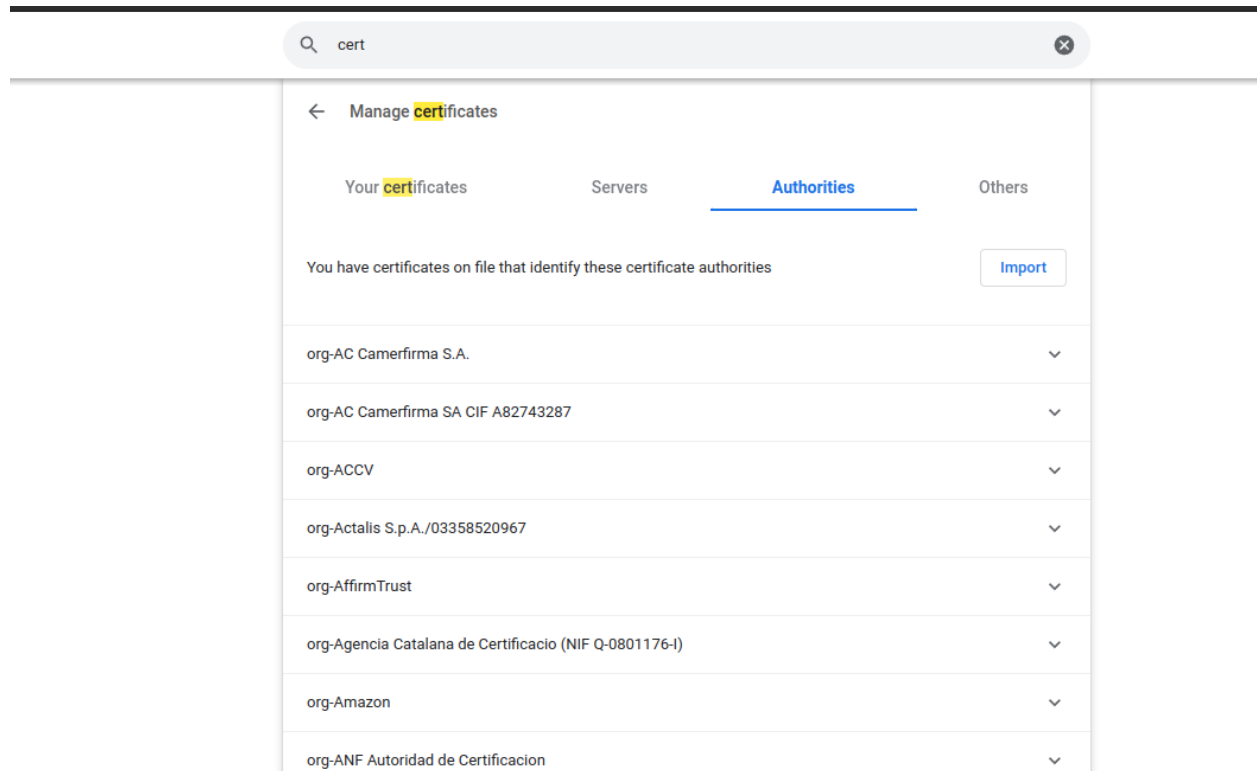
How to register

Before Registering on the platform, you first need to get approval from the admin via the 'Get Approval' Portal.

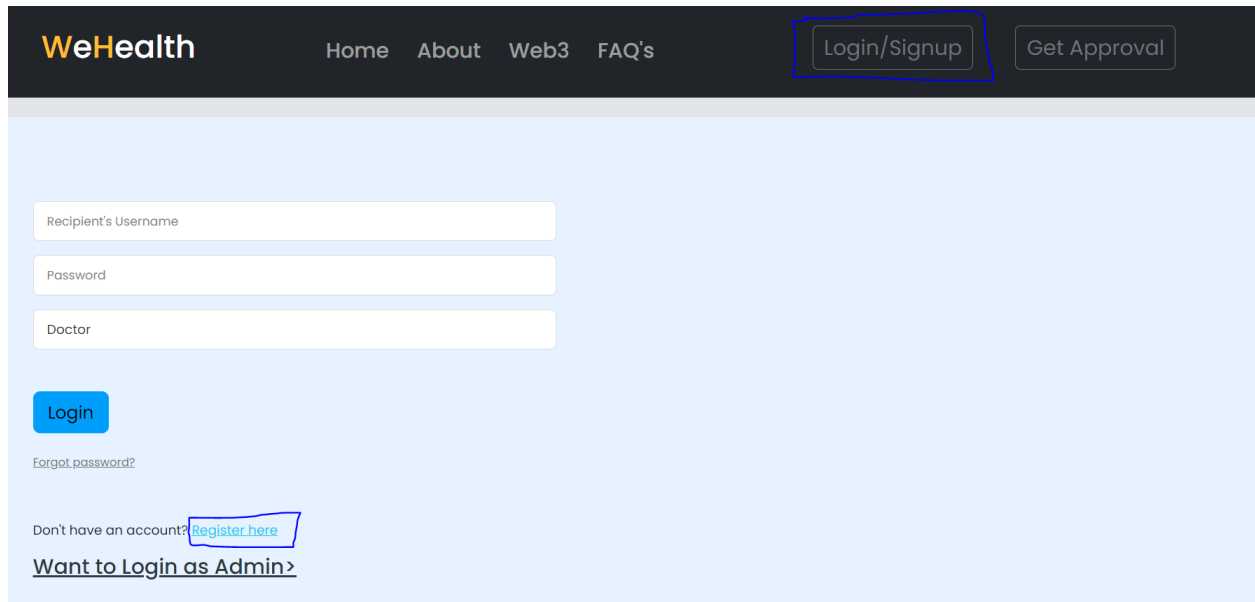**WeHealth**   Home About Web3 FAQ's   Login/Signup   Get Approval

Welcome To WeHealth

Your One Stop Solution For Your Health

Physician Specialites

Now, add the details mentioned and submit for approval from the Admin

Authorize Yourself

Role

Upload Role Proof	Choose File	No file chosen

ID Proof Type

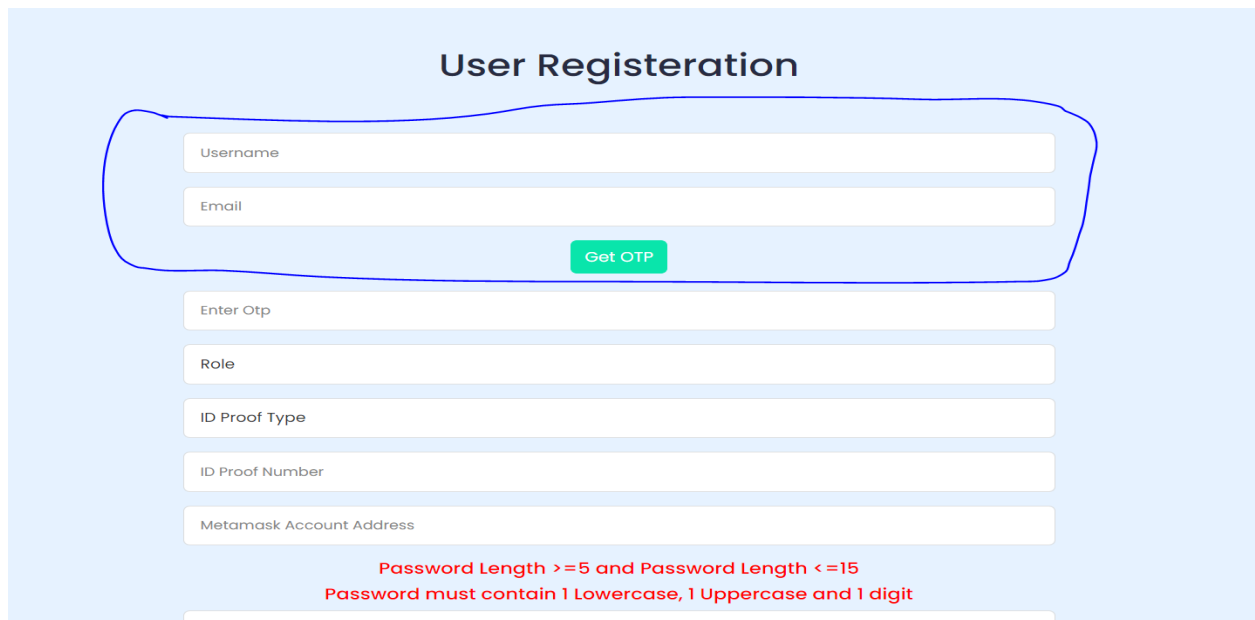| Upload ID Proof	Choose File	No file chosen

ID Proof Number

Submit

Note: DO NOT UPLOAD FILES WITH SPACE ' ' IN THE FILENAME

After the admin has approved your ID Proof Number, click on Login/Sign and then click on 'Register here' to Register as a new user.

Now, first, Enter your username and email address to get OTP on your OTP Email Address.

Now, enter the same Username, email, and OTP received on your Email address along with rest of the details to Register as a new User.

You also need to enter your public Metamask account address to perform all the payments on the platform.

Install Metamask extension on google chrome and make a new metamask account.

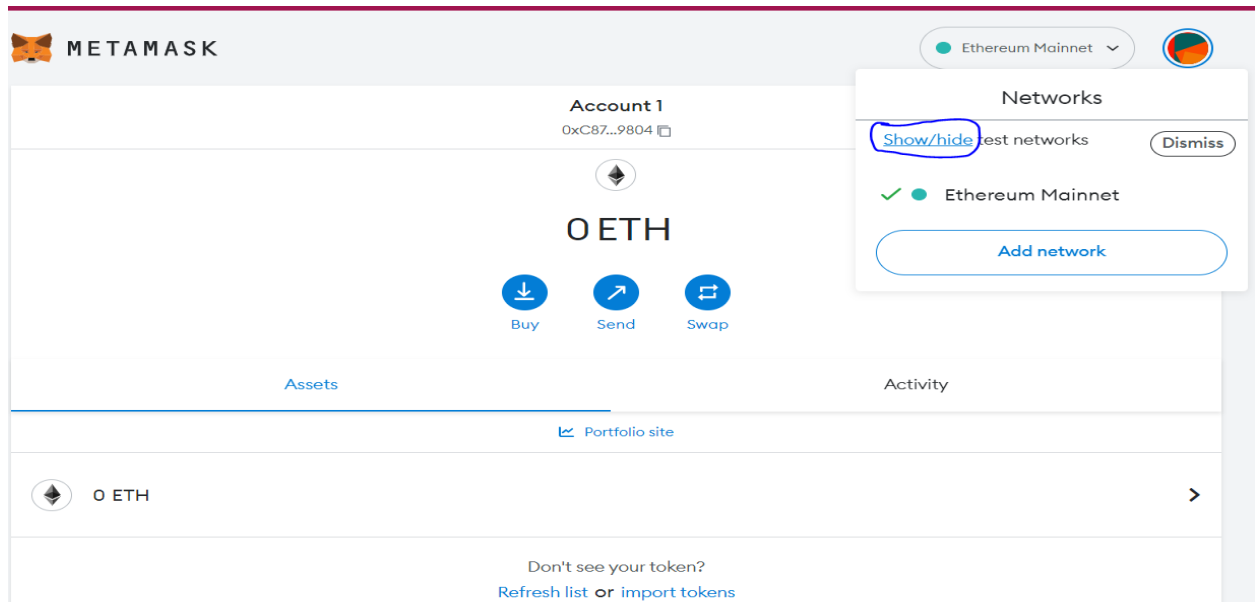Now, go to metamask wallet and click on Ethereum Mainnet.
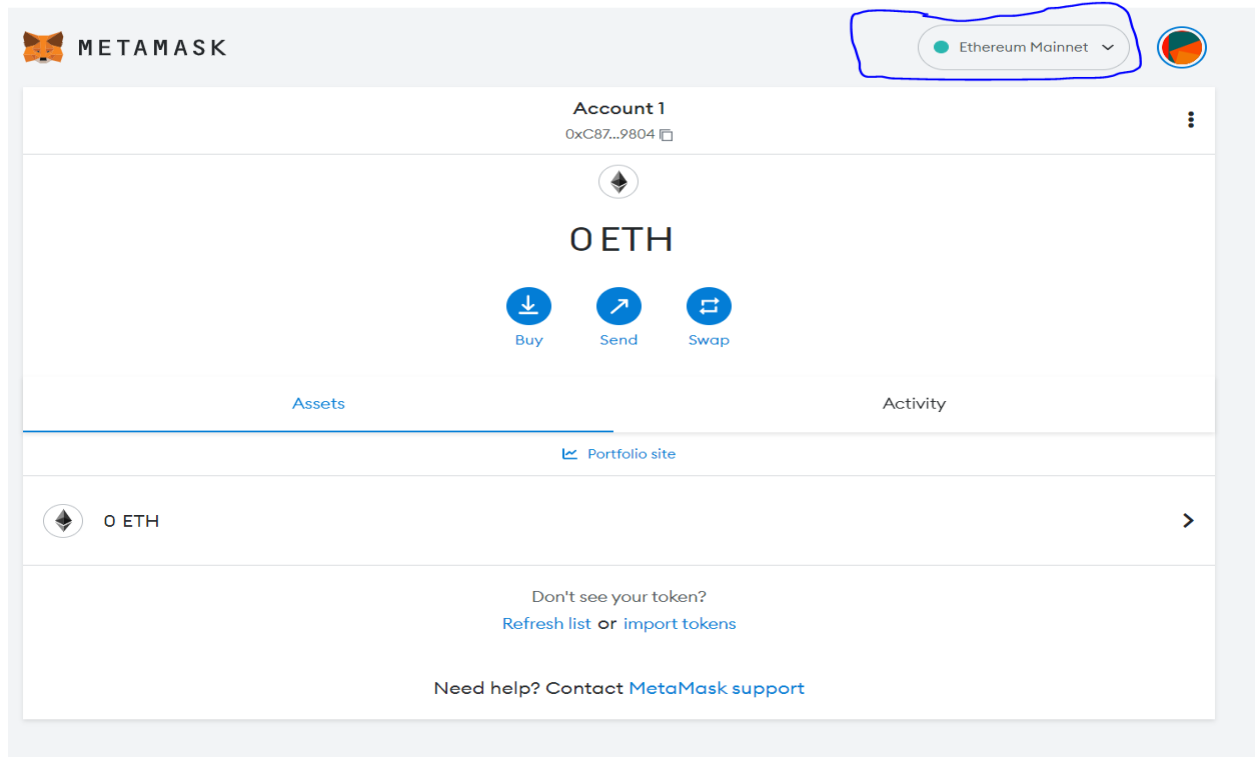
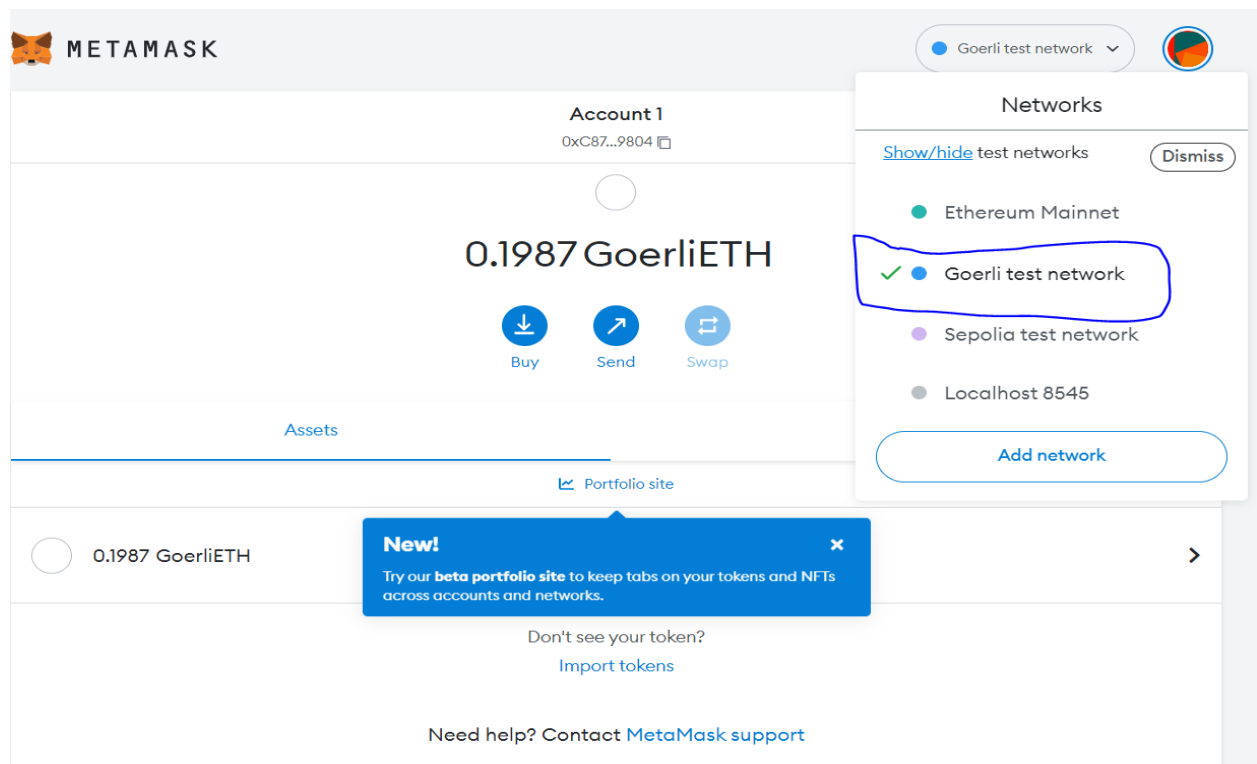Now click on Show/hide test networks.

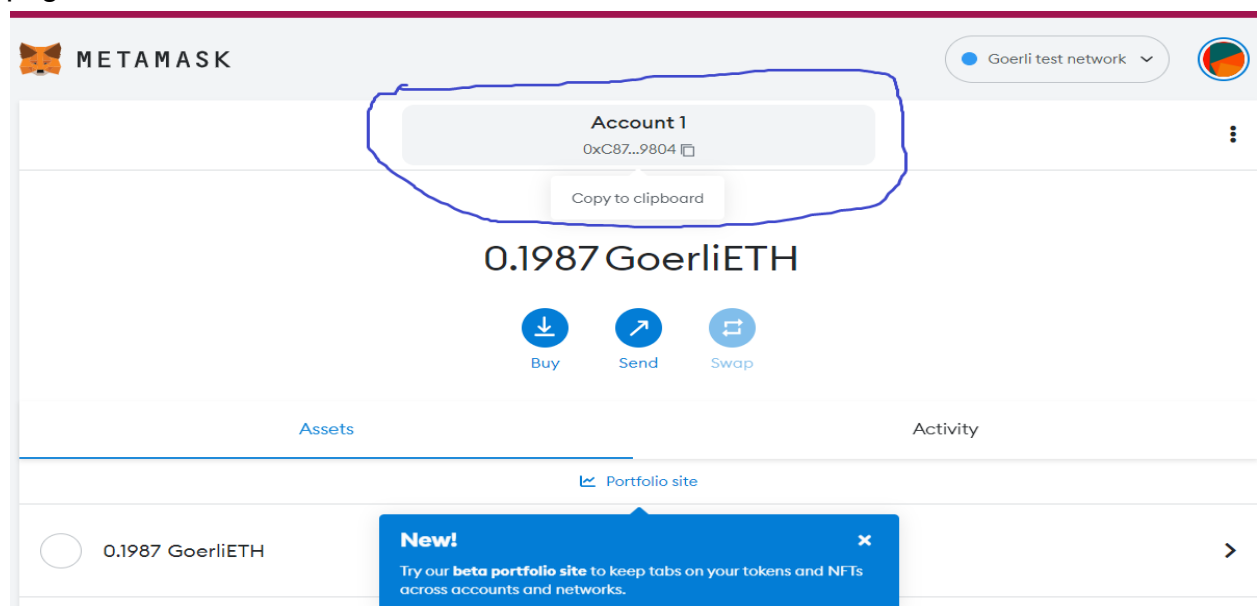Now, turn on Show Test Networks.
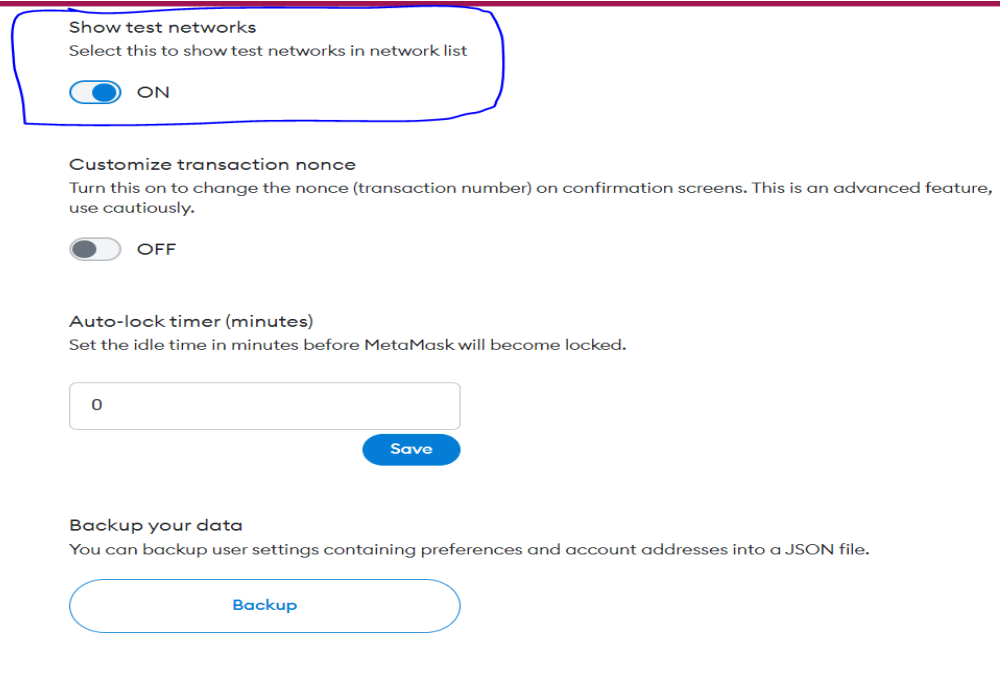
Now, go back to the main page again.

Now, click on Ethereum Mainnet again and select Goerli test network.

This is the test network currency that you're going to use to make payments on the WeHealth Platform

Now, copy the Metamask account address and use that to register on the Registration page.
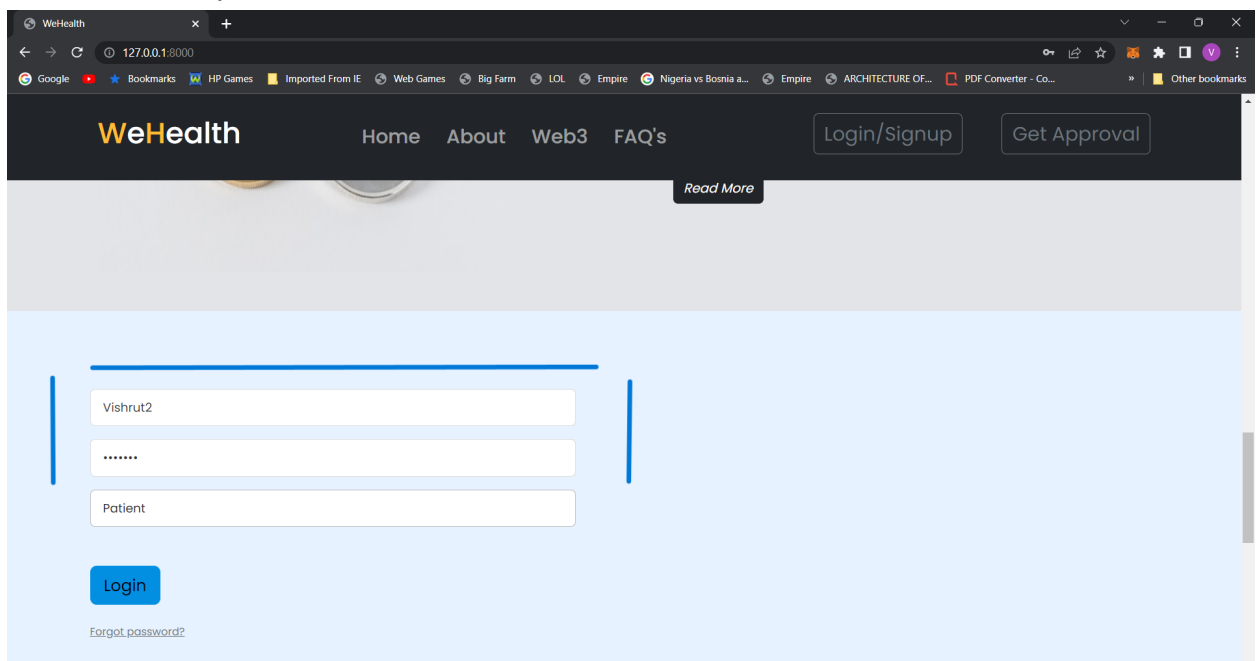
You can get some free GoerliETH from https://goerlifaucet.com/ for testing the payment system on our website. Use the Metmask address that is used above, on https://goerlifaucet.com/ to get free GoerliETH.

Note: Use an actual metamask address; otherwise, you won't be able to perform any payments on the website.

Patient Login:

- For patient login, we select the role as patient. The details required include username and password.

- Logged in patient shows patient-dashboard
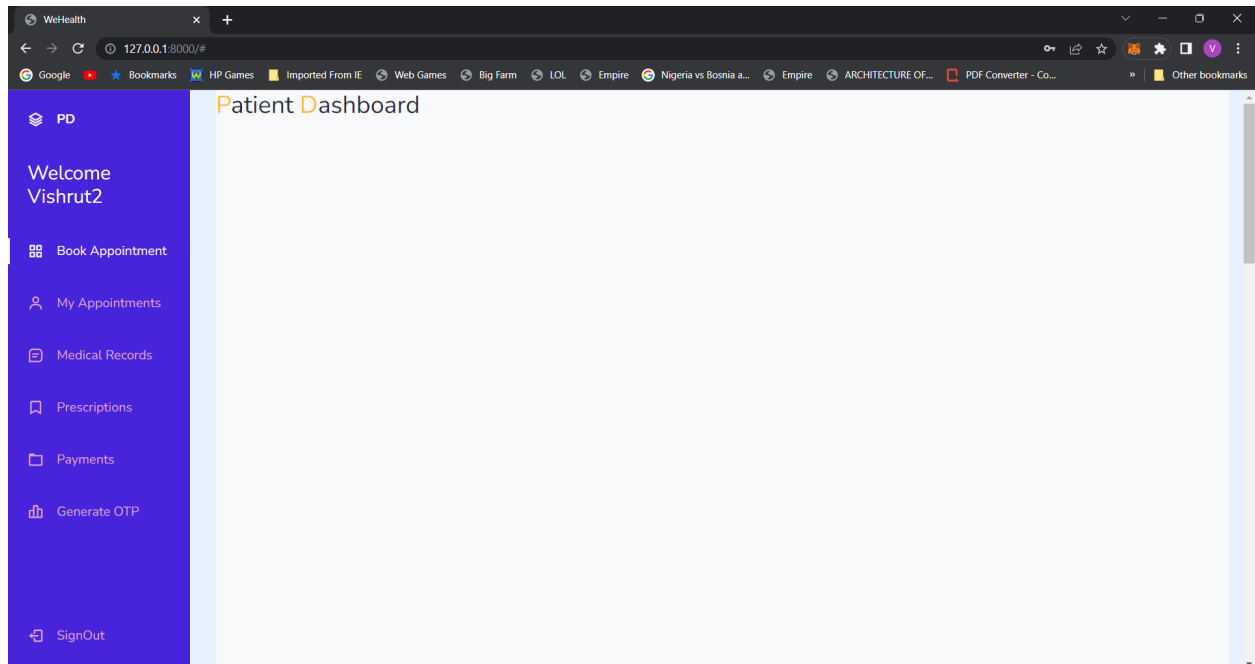
- Click on generate OTP
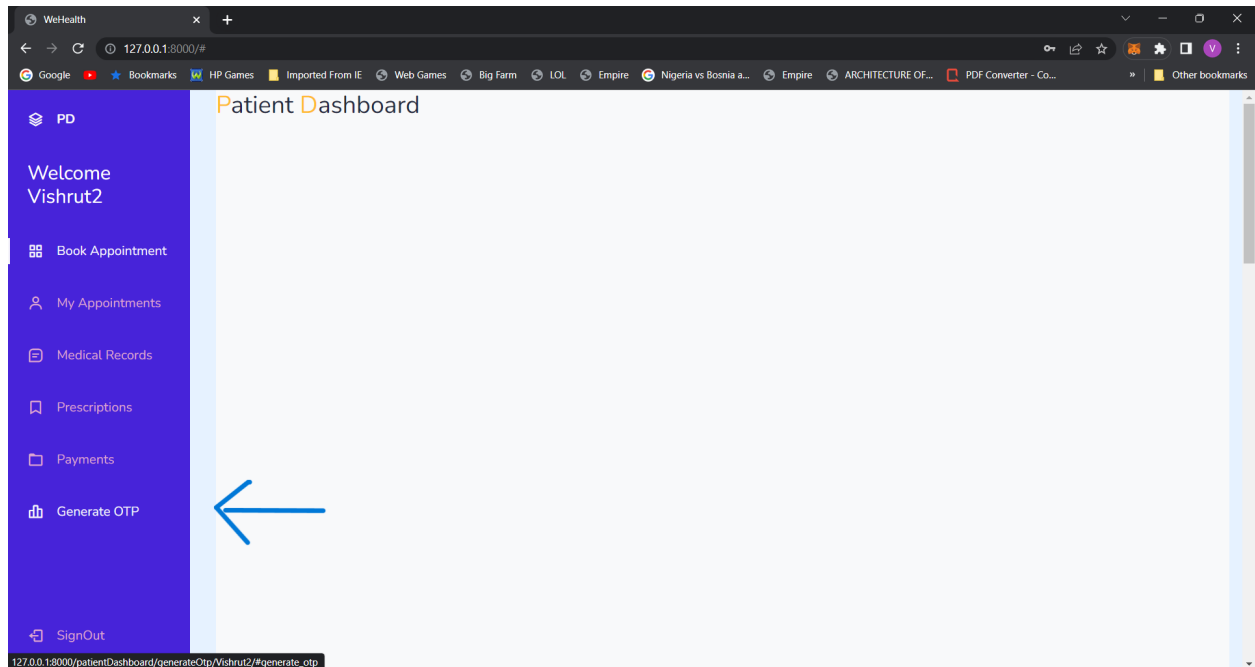
- Generate OTP
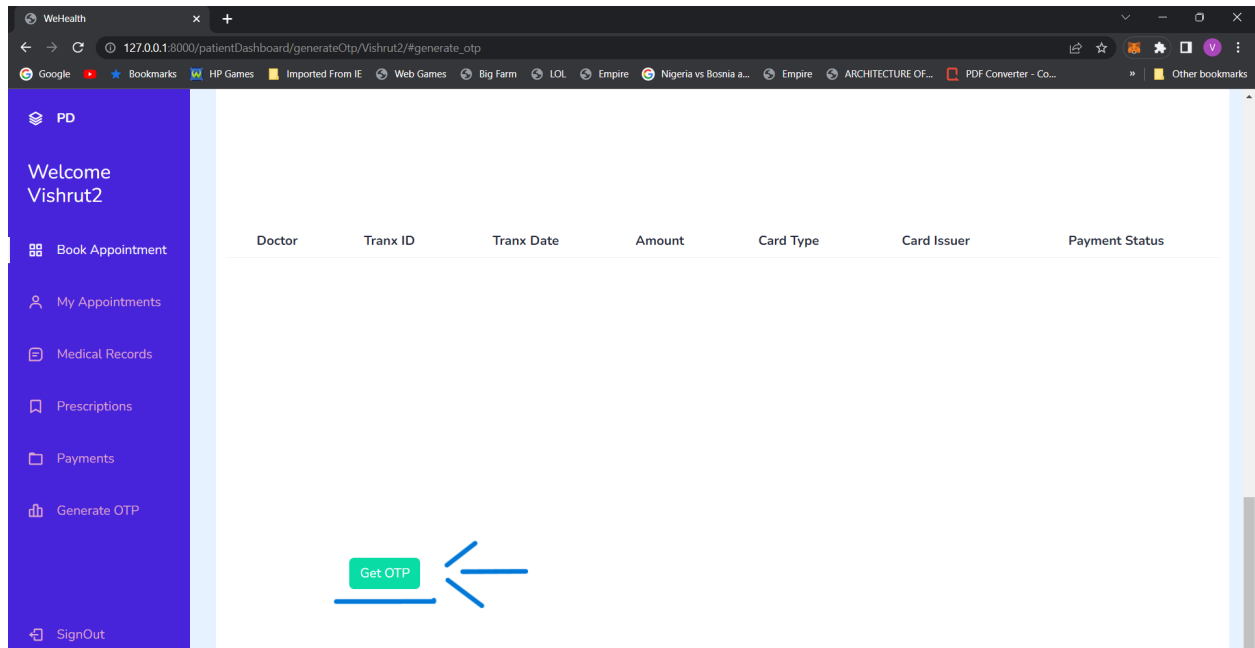
● Now click on book-appointments. Now we are required to enter the given details.
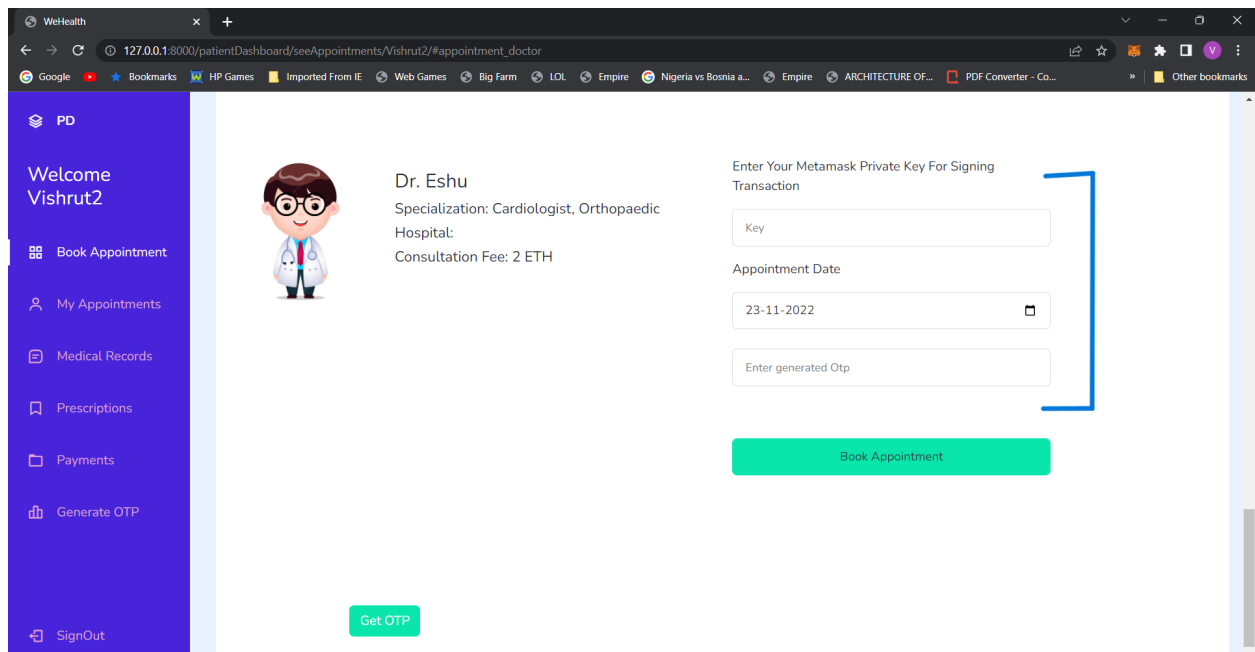
● Now open your metamask connection.
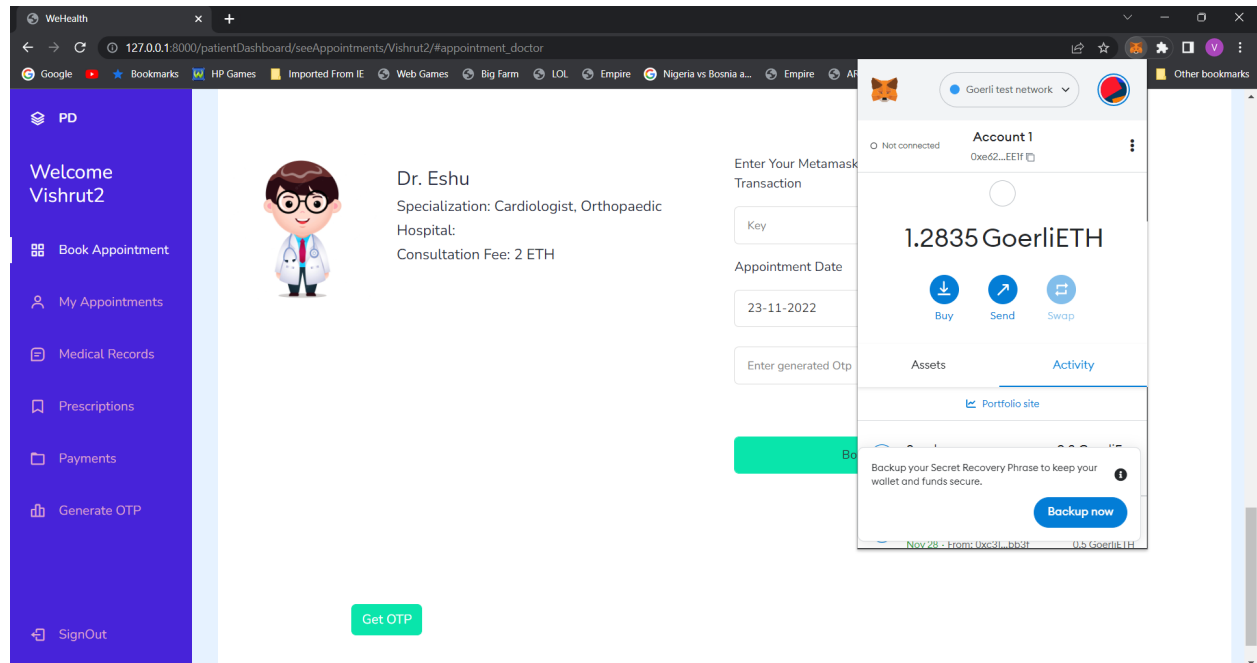
● Click account details
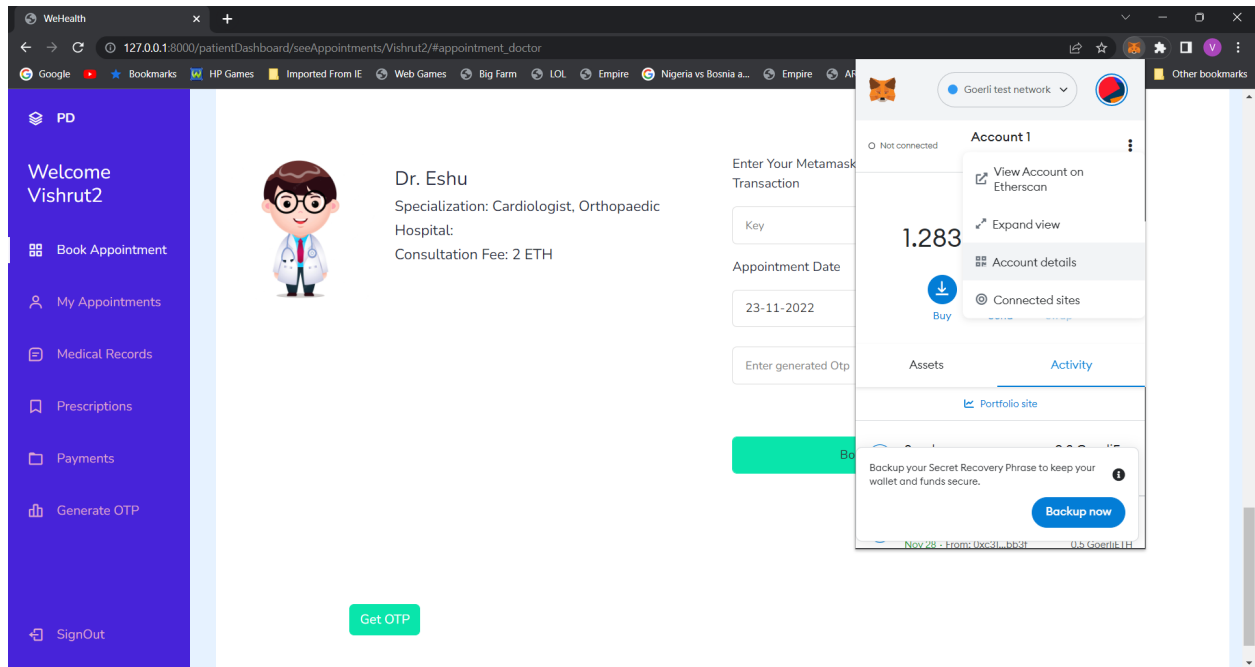
- Export private key and enter the same.
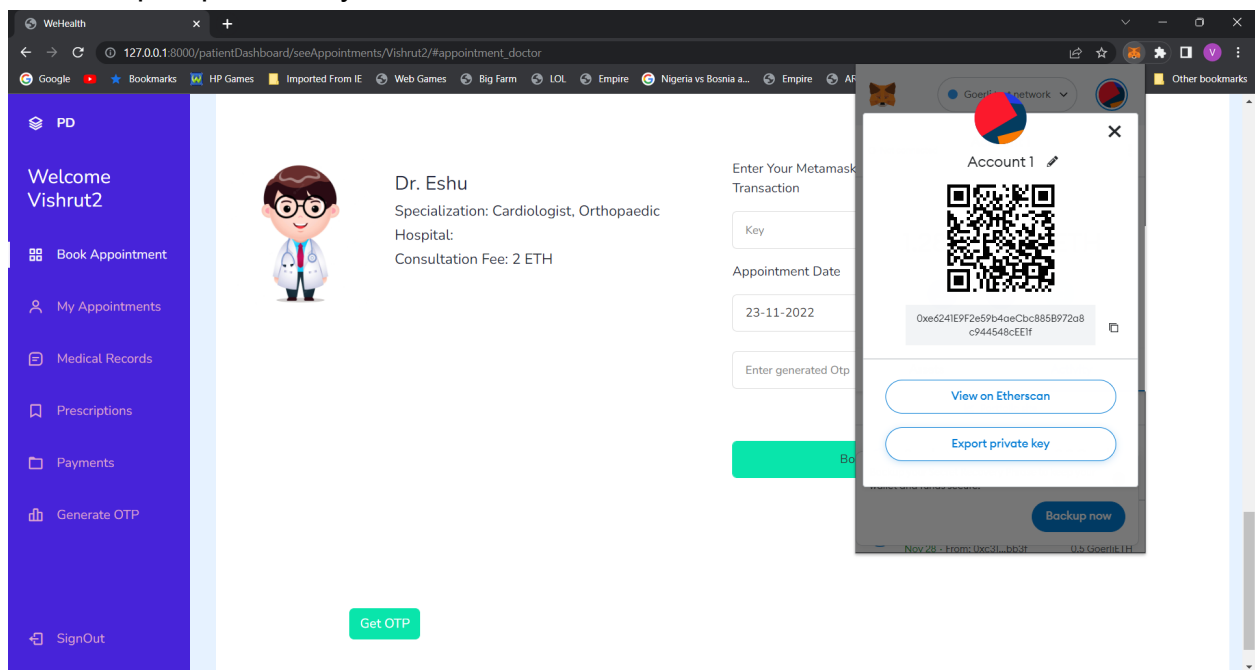
- Enter the generated otp on email and select your appointment date.

- Check for my appointments. All appointment details will be displayed.

Doctor	Appt Date	Amount	Payment Status	Action
Dr. Eshu	Nov. 29, 2022	2 ETH	Paid	

Doctor Login:

Login to Doctor Portal via login credentials that you used when creating a doctor account in registration Tab.

On the doctor Portal you can see your Patients that you have booked an appointment with, Edit your details, See Prescriptions that you have given, and also see your details.

On my Patients portal, you can Give prescriptions, or free your patients.

Doctor can enter Metamask private key to sign the prescription, then that prescription will be verified by automatically on the blockchain. The pharmacy will get the doctor's public key from the transaction. This is present in the 'from' field in the transaction. This will prove that the transaction is indeed done by the doctor.

Pharmacy Login:

Login to Pharmacy via login credentials that you used when creating a pharmacy account in registration Tab.

You can see documents that you can verify by clicking on the Checkout Button.

Now you can click on Verify Documents to Verify the prescription given by doctors using BlockChain.

Now, you can copy the transaction hash as shown above and paste it on https://goerli.etherscan.io/ to view the transaction details and verify the transaction.

⑦ Transaction Fee:	0.00692127306205248 Ether ($0.00)
⑦ Gas Price:	0.000000153397009354 Ether (153.397009354 Gwei)
⑦ Gas Limit & Usage by Txn:	1,000,000	45,120 (4.51%)
⑦ Gas Fees:	Base: 98.549706539 Gwei
⑦ Burnt Fees:	🔥 Burnt: 0.00444656275903968 Ether ($0.00)
⑦ Other Attributes:	Txn Type: 0 (Legacy) Nonce: 10 Position In Block: 28

⑦ Input Data:

```
Function: mint(address wallet, string _chiName, string _chiImage) ***

MethodID: 0x99071190
[0]:  000000000000000000000000ddfa347e5b15621f6d83f3785c6fdb9ed4c32bd9
[1]:  0000000000000000000000000000000000000000000000000000000000000060
[2]:  00000000000000000000000000000000000000000000000000000000000000a0
[3]:  0000000000000000000000000000000000000000000000000000000000000009
[4]:  446f63746f72313233000000000000000000000000000000000000000000000
[5]:  0000000000000000000000000000000000000000000000000000000000000055
```

[View Input As ▾] [🔥 Decode Input Data]

⑦ Other Attributes:	Txn Type: 0 (Legacy) Nonce: 10 Position In Block: 28

⑦ Input Data:

#	Name	Type	Data
0	wallet	address	0xdDfa347E5b15621F6D83f3785c6FdB9eD4c32Bd9
1	_chiName	string	Doctor123
2	_chiImage	string	http://res.cloudinary.com/dbh8ypzex/image/upload/v1669633562/isvotkov6wcc6flvkxyx.png

[↺ Switch Back]

Click to see Less ↑

Now, you can verify the doctor name and the link to see the verified prescription.