Online Storage, Retrieval and Authentication of Healthcare Documents using Blockchain

A. To test the application:
1. Go to website.
2. Click on *Login/Register.*
   2.1 Registration as patient and admin.
   2.2 Login with correct credentials as Admin, Doctor, Patient or Manufacturer
3. ADMIN
   3.1 Place medicine requests by inputting required values in the system.
   3.2 Register doctor by entering their credentials
   3.3 Register patient by entering their credentials
   3.4 Register manufacturer by entering their credentials
   3.5 View all admins registered with the system.
   3.6 Register patients who have insurance and also claim them here. Direct to payment gateway if necessary.
4. PATIENT
   4.1 Book appointment by doctor designation and give a brief about their issue
   4.2 Check the amount of insurance that they have.
   4.3 Check the feedback(prescription and diagnosis) given by the doctor for their issues.
5. DOCTOR
   5.1 Enter their id and speciality code
   5.2 Retrieve patient list that booked an appointment with them
   5.3 Retrieve patient data based on their id and provide diagnosis and necessary prescription for them
6. MANUFACTURER
   6.1 Check all requests in the system
   6.2 Check total supplies in the system
   6.3 Transfer medicines to distributors
   6.4 Delete fulfilled requests
   6.5 Check details of medicines based on their id
   6.6 Check how many medicines have been supplied to a distributor.

B. To run the framework locally:
1. Import Ganache local blockchain in MetaMasks Ganache network.
2. Deploy contracts.
3. Update address and abi in HTML codes.
4. Type *http-server* in project folder's command prompt in VS Code
5. Go to *http://localhost:8080,* connect MetaMask with the website and follow the steps mentioned in [A].

Note:
Requirements:
1. Remix IDE
2. VSCode
3. NodeJS
4. Ganache
5. MetaMask

6. Sqlite
7. http-server