**Done**

* Patient web
* Calculate SHA hash with SHA1 package
* Calculate SHA hash in browser with subtle crypto package
* JSON.parse and stringify to calculate the hash of strings.
* Stored both hashes in an array in the browser
* Display data in presentable form
* Store dummy data for better manipulation
* Doctors Screen add a doctor
* Patients History (Make a Medical Record file)
* **Doctors Screen**
* Request data for a patient
* Authentication with Metamask
* Blockchain smart Contract details
  + 3x mapping storage for admin ACL, doctor ACL, patient (mapping address to SSN)
* View PHI and view prescriptions ACL on blockchain
  + ACL array patient data
  + ACL array for prescriptions data
* Add acl checking functions in backend nodejs
* Frontend beautification
* Frontend verification from Blockchain

**To do**

* Frontend send meta data to cloud,
* Backend verifies from cloud before committing to cloud
* We can have list of all addresses available in frontend
* Maybe pharmacist

**Authentication and Privacy**

**Once hospital admin**

* Adds user initial details.
* **Add the go-to doctor**
* View only the initial details

**The responsible clinician**

* Medical History
* Gives permission to view PHI for patients.
* Add doctors to the lists

**Doctors**

* Prescribe the medicines
* Can see only their prescriptions

**Data**

**Personal Info**

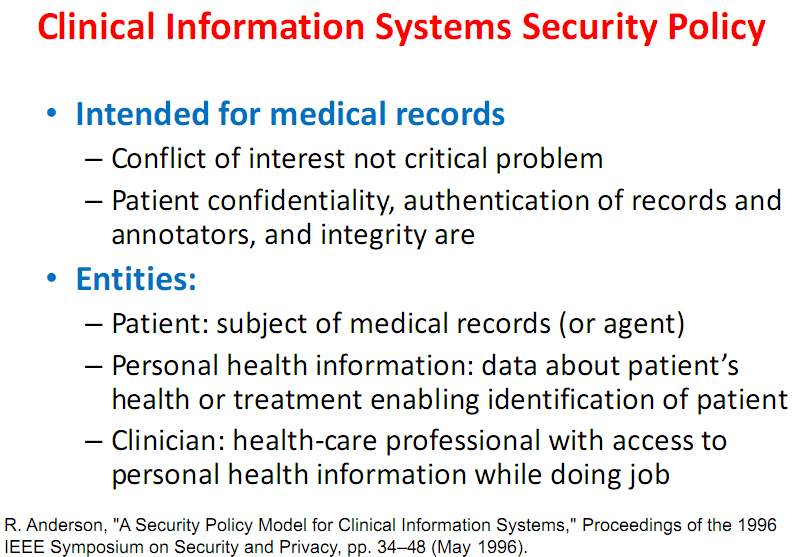
* Name
* Address
* Social Security Number
* Phone number

**Prescriptions**

* Disease
* Medicines

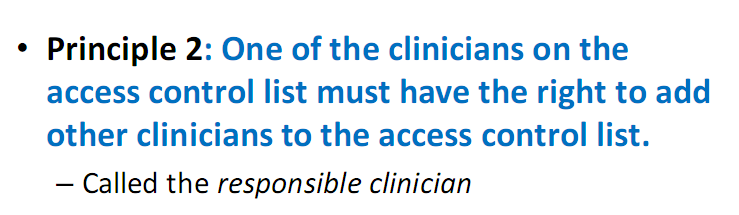
**Protected Health Information**

* Medical History
* Health Plans



Text

Description automatically generated with low confidence



Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Timeline

Description automatically generated

Graphical user interface

Description automatically generated with medium confidence

A picture containing text

Description automatically generated

A picture containing text

Description automatically generated

Timeline

Description automatically generated

Timeline

Description automatically generated

Text, timeline

Description automatically generated with medium confidence

Text, timeline

Description automatically generated