**IMPLEMENTATION**

* **Data Owner**

In this module, the provider requests for symmetric encryption key permission from OWNER and upload the patient details in ABE with the key. View & delete the uploaded patient details, and view the clinical report from the user.

* **Delegator**

In this module,Delegator register and logs in and request access control from the healthcare server and view the access control (1-access only the patient details and 2-accessing both patient details with the document), if the user has both the access permissions, user can provide the clinical report for the corresponding patient details.

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* **CLOUD SERVER**

The Cloud Server authorizes both user and owner, view all the uploaded patient details and give the access control permissions to the corresponding requested user. View the response from the OWNER about the key requested. After the clinical report is generated by the user forward it to the corresponding patient. And view the patient disease in chart.

* **Delgatee**

In this module, the Delegatee will generate the key requested by User. And also generates the symmetric encryption key and provides permission requested by the users.