IMPLEMENTATION

**DATA OWNER**

In this module, Data owner has to register to cloud and logs in, the data owner has to purchase the cloud by paying cost to upload the file. While uploading the file the file is divided into 4 blocks and each block is encrypted and uploaded with the Digital Sign. If the uploaded file seems to be duplication the data owner will get the notification from the Deduplication to delete or share the file with the original file present. And will have the authority of updating the blocks.

**CLOUD SERVER**

In this module, the cloud will authorize both the owner and the user. View all the uploaded Files details, has a feature of adding the memory and the cost, will have provide search req from the users. Shows the transactions of uploaded and downloaded.

**END USER**

In this module, the user has to register to cloud and logs in. before the user can search or download the file the user must request for the search and download permission only then user is allowed to search file and download the same .

**DATA DEDUPLICATOR**

In this module, the deduplicator can see the dataowner files and see if it’s duplicate. Send the deduplication log to the corresponding dataowner, and also if the dataowner shares the file deduplicator show how much memory is saved by the dataowner who shared the file. And it shows the speed of the CPU which was during the file storing process.