**Use Case Diagram Attacker**

Attack block

Register and Login,Browse file and split into blocks

View data owners and authorize,View End User and authorize

encrypt and then upload,View your files blocks

**Data Owner**

View all File Request,View all cloud Files

Check data integrity

**Cloud Server**

View all files’s block

View Replication Found

View all transactions, View all attackers.

Check data de duplication,Update Block

**End user**

Register and Login

Request file ,View File Response

Download file