**Architecture Diagram**

Storage Server

1. Maintain group
2. Maintain privileges
3. Store all files
4. Provide access permission
5. Authorize user

**Data Owner**

Upload File with privileges

**Remote User**

Register and Login

**Group Authority**

Issuing file access information (fname,sk)

1. Req File & Search Files  
2.Access the file

1. View Group Users

2. View Group Signs

3. View Registered Users