**Module Design and Description:**

1. **Admin Module:**

In this module admin will be able to login by giving the credentials.

Admin can upload the file to training data sets by senstive or non sentive based upon the keywords.

Admin can see the users.

Admin can be able to see the cloud details.

1. **Training data sets module:**

In this module, admin or user can upload their files for training their data sets for keywords based on the sensitive or non sensitive.

1. **User module:**

User registration need to be done.

User can be able to login based upon the user id and passwords credentials.

User can also upload their files. Once the file is uploaded , preprocessing occurs, based on the sensitive and non sensitive the file will be encrypted or without encryption will be stored in the cloud.

1. **Deduplication module:**

In this module, once the file is uploaded, the redundant files are checked with it. If the file is repeated then this module will not upload the file to cloud, instead of that , it makes the file instance is two.