

Cloud Computing-Milestone 3

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In Milestone3,we use the"firebase"sevice to store video information.

Here is the link of firebase tutorial:

<https://www.youtube.com/watch?v=4d-gIPGzmK4&list=PL4cUxeGkcC9itfjle0ji1xOZ2cjRGYWB&index=1>

Sample code:

```
1  import firebase_admin
2  from firebase_admin import credentials
3  from firebase_admin import firestore
4
5  # Use a service account
6  cred = credentials.Certificate('json文件路径')
7  firebase_admin.initialize_app(cred)
8
9  db = firestore.client()
10
11 #创建一个新集合和一个新文档
12
13
14
15 doc_ref = db.collection(u'users').document(u'alovelace')
16 doc_ref.set({
17     u'first': u'Ada',
18     u'last': u'Lovelace',
19     u'born': 1815
20 })
21
22 #将另一个文档添加到 users 集合
```

Firebase provides two specialized database services: cloud storage and real-time database. Among that,the function of storage can easily store and share images, audio, video, or other user generated content with powerful, simple, and cost-effective object storage services designed for applications of scale like Google, and provide file upload and download services.

Firstly, We upload the video information which is in local disc to the firebase and it would generate a specific link. Through this link we can visit the video supported by the cloud service. Then write this link into codes. When the user input “wash hands”, the chat bot would reply a video about seven steps of washing hands very quickly.