

Description for two scripts

The two scripts I provided belong to my app store side project. The app store project contains three parts: 1. Crawler; 2. Recommender; 3, UI.

The two scripts are for the second part, Recommender. It is using the cosine similarity algorithm to calculate the item-to-item similarity score (https://en.wikipedia.org/wiki/Cosine_similarity). It requests the data from MongoDB, and after finish the similarity calculations, it updates the similarity score to the database. In additions, it generated recommendations to each user based on similarity scores, and the download history of each user.

Here is one record for an app in MongoDB.

```
> db.app_info.findOne({"app_id":"C10063783"})
{
  "_id" : ObjectId("5689979cbcb96fc5c0d63d74"),
  "score" : "8",
  "title" : "3D终极狂飙3",
  "url" : "http://appstore.huawei.com:80/app/C10063783",
  "app_id" : "C10063783",
  "thumbnail_url" : "http://appimg.hicloud.com/hwmarket/files/application/icon144/b03f7e1fa3b04fb089fdfb3c0da88010.png",
  "intro" : "《3D终极狂飙3》第三代华丽来袭，强势登陆！ ☆全球5000万狂热玩家翘首以待！堪称移动平台赛车游戏的霸主！ ☆延续超小的体积和炫酷的3D引擎！加入360度的3D真实名车体验极度疯狂！ ☆融合了流行而火爆的改装车竞速文化，满足玩家个性需求！ ☆真实的漂移、加速特效和动态模糊，逼真的画质，让您身临其境 ☆标准、挑战、生存等赛车模式",
  "developer" : "北京中科奥科技有限公司",
  "top_5_app" : [
    "C10179074",
    "C10136197",
    "C10203802",
    "C10221865",
    "C10281290"
  ]
}
```

Huawei app store:

<http://appstore.huawei.com/>