

Better Interview Book

Group 15 – CS546

Group Members:

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1. User

Description:

```
{
  ... "_id": "64128e4cb02ea15a6b90dea3",
  ... "username": "fs29",
  ... "email": "franksmith@gmail.com",
  ... "password": "franksmith@gmail.com",
  ... "firstName": "Frank",
  ... "lastName": "Smith",
  ... "gender": "M",
  ... "locationState": "NJ",
  ... "university": "SIT",
  ... "collegeMajor": "Computer Science",
  ... "interestArea": [
    ... "Front-end",
    ... "Back-end"
  ],
  ... "experienceYear": 5,
  ... "seekingJob": [
    ... "Machine Learning Engineer",
    ... "Software Engineer"
  ],
  ... "connections": [
    ... "64128e4cb02ea15a6b90dea4",
    ... "64128e4cb02ea15a6b90dea5"
  ],
  ... "group": [
    ... "64128e4cb02ea15a6b90deb7",
    ... "64128e4cb02ea15a6b90deb8"
  ],
  ... "createdAt": "03/22/2023",
  ... "updatedAt": "03/28/2023"
}
```

Name	Type	Description
_id	ObjectId	
username	String	
email	String	
password	String	
firstName	String	
lastName	String	
gender	String	
locationState	String	
university	String	
collegeMajor	String	
experienceYear	Number	
interestArea	Array	[Front-end, Back-end, Full-stack, Cybersecurity, AI, Software Development Finance, Quantitative analysis, Data Science, Medical, Biology, Chemistry, Law, Business, Engineering, Art, Music]
connections	Array	
group	Array	
createdAt	String	
updatedAt	string	

2. Company

Description:

```

{
  ... "_id": "64128e4cb02ea15a6b450000",
  ... "companyName": "Google",
  ... "industry": "Internet",
  ... "locations": [
    ... "NY",
    ... "LA"
  ],
  ... "firstName": "Frank",
  ... "numberOfEmployees": 139995,
  ... "tag": [
    ... "Front-end",
    ... "Back-end"
  ],
  ... "createdAt": "03/22/2023",
  ... "updatedAt": "03/27/2023"
}

```

Name	Type	Description
_id	ObjectId	
companyName	String	
industry	String	
locations	Array	
numberOfEmployees	Number	
Perks	Array	
tag	Array	[Front-end, Back-end, Full-stack, Cybersecurity, AI, Software Development Finance, Quantitative analysis, Data Science, Medical, Biology, Chemistry, Law, Business, Engineering, Art, Music]
createdAt	String	
updatedAt	string	

3. Job list

Description:

```

{
  .... "_id": "64128e4cb02ea15b4b45e3a5",
  .... "companyId": "64128e4cb02ea15a6b450000",
  .... "title": "Software Engineer",
  .... "description": "",
  .... "location": "NJ",
  .... "jobType": "Remote",
  .... "level": "Senior",
  .... "requiredSkill": [
    .... "OOP",
    .... "C++",
    .... "JAVA",
    .... "Python"
  .... ],
  .... "yearSalary": 100000,
  .... "createdAt": "03/26/2023",
  .... "closedAt": "04/26/2023"
}

```

Name	Type	Description
_id	ObjectId	
companyId	String	
title	String	
description	String	
location	String	
jobType	String	
Tag	Array	[Front-end, Back-end, Full-stack, Cybersecurity, AI, Software Development Finance, Quantitative analysis, Data Science, Medical, Biology, Chemistry, Law, Business, Engineering, Art, Music]
level	String	
requiredSkill	Array	
yearSalary	number	
createdAt	String	
closedAt	String	

4. Referrals

Description:

```
{
  ... "_id": "64128e4cb02ea15b4b453221",
  ... "userId": "64128e4cb02ea15a6b454321",
  ... "jobListId": "64128e4cb02ea15b4b45e3a5",
  ... "description": "",
  ... "createdAt": "03/22/2023",
  ... "updatedAt": "03/27/2023"
}
```

Name	Type	Description
_id	ObjectId	
userId	ObjectId	
jobListId	ObjectId	
description	String	
createdAt	String	
updatedAt	string	

5. Recommendation

Description:

```
{
  ... "_id": "64128e4cb02ea15b4b453222",
  ... "userId": "64128e4cb02ea15a6b454321",
  ... "jobListId": "64128e4cb02ea15b4b45e3a5",
  ... "score": 4,
  ... "createdAt": "03/22/2023",
  ... "updatedAt": "03/27/2023"
}
```

Name	Type	Description
_id	ObjectId	
userId	ObjectId	
jobListingId	ObjectId	
score	number	
createdAt	String	
updatedAt	string	

6. Network

Description

```

{
  .... "_id": "64128e4cb02ea15b4b453228",
  .... "userId": "64128e4cb02ea15a6b454321",
  .... "content": "Good to hear a good news this morning!!!",
  .... "comments": [
    .... {
    ....   .... "commentId": "73290e4cb02ea15a6b454320",
    ....   .... "userId": "64128e4cb02ea15a6b454322",
    ....   .... "content": "What's that?"
    .... },
    .... {
    ....   .... "commentId": "73290e4cb02ea15a6b454321",
    ....   .... "userId": "64128e4cb02ea15a6b454321",
    ....   .... "content": "My birthday~"
    .... }
  .... ],
  .... "likes": ["73290e4cb02ea15a6b454320"]
}

```

Name	Type	Description
_id	ObjectId	
userId	ObjectId	
content	String	
comments	SubDoc	
likes	Array	

7. Skills/learning

Description

```

{
  .... "_id": "64128e4cb02ea15b4b453229",
  .... "userId": "64128e4cb02ea15a6b454321",
  .... "title": "How to prepare your interview!!",
  .... "article": "Preparing for an interview can be ne
    .... possible about the company you're interview:
    .... Review the job description: Make sure you ur
    .... what they're looking for.",
  .... "videoUrl": "https://youtu.be/SVvr3ZjtjI8",
  .... "tag": ["Job interview", "Software"]
}

```

Name	Type	Description
_id	ObjectId	
userId	ObjectId	

title	String	
article	string	
videoUrl	string	
tag	array	

8. Group

Description

```
{
  ... "_id": "73128e4cb02ea15b4b454529",
  ... "groupName": "Group 15",
  ... "description": "CS546 Group 15 Teammembers",
  ... "activity": [
    ... {
      ... "activityId": "69128e4cb02ea15b4b454000",
      ... "type": "",
      ... "date": "",
      ... "storageLink": "",
      ... "likes": 15,
      ... "comments": {}
    }
  ],
  ... "event": "03/26/2023"
}
```

Name	Type	Description
_Id	ObjectId	
groupName	String	
description	string	
activity	SubDoc	
event	string	

Proposed Database Schema Visualization

