

Organizer

Database proposal

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Users

The user collection will store all users and their profiles. Users will be able to login, update their profile, and post tasks to the scheduler/finance organizer, which will trigger an email.

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "sessionId": "b3988882-627f-4c59-8d5d-54b7a43b030e",
  "hashedPassword": "$2a$08$XdvNkfdNIL8Fq7l8xsuIUeSbNOFgK0M0iV5H0sk",
  "profile": {
    "name": "Ruthy Levi",
    "email": "rlevi@stevens.edu",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  },
  "accounts": [
    {
      "_id": "8b8997a2-c0d2-4f8c-b27a-6a1d4b5b6470",
      "bankName": "Chase",
      "accountType": "Checkings"
    },
    {
```

```

        "_id": "8b8997a2-c0d2-4f8c-b27a-6a1d4b5b6471",
        "bankName": "Chase",
        "accountType": "Savings"
    }
]
}

```

Name	Type	Description
_id	string	A globally unique identifier to represent the user.
sessionId	string	A globally unique identifier to represent the user's current session.
hashedPassword	string	An encrypted string that is a hashed version of the user's password.
profile	User Profile	The user's profile.
account	User Account	All the Users Accounts.

User Profile (subdocument; not stored in a collection)

This subdocument is used to describe the user's profile.

```

{
    "name": "Ruthy Levi",
    "email": "rlevi@stevens.edu",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
}

```

Name	Type	Description
name	string	The user's name.
email	string	The user's email.
_id	string	A globally unique identifier to represent the user.

User Accounts (subdocument; not stored in a collection)

This subdocument is used to describe the user's Accounts.

```
{
  "_id": "8b8997a2-c0d2-4f8c-b27a-6a1d4b5b6470",
  "bankName": "Chase",
  "accountType": "Checking"
}
```

Name	Type	Description
_id	string	A globally unique identifier to represent the user.
bankName	string	Bank's name.
accountType	string	Bank's account type.

Tasks

The task collection will store all the tasks that are created.

```
{
  "_id": "5a5c4461-cdc9-4144-84f9-fcb278c5c122",
  "creator": {
    "name": "Ruthy Levi",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  },
  "title": "Lecture notes",
  "notes": "Preparation for upcoming exams",
  "comments": [
    "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d1",
    "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d2",
    "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d3"
  ],
  "event": "11/15/2019"
}
```

Name	Type	Description
_id	string	The task ID.
creator	User Profile	A profile of the user who has created the task.
title	string	The task title.
notes	string	A detailed description of the task.

description	string	A longer description of the task.
comments	comment array	An array of comments related to the thread.
event	string	date where the task can be considered for calendar event.

Comment Collection will store all the comments related to an **Comment**

y task.

```
{
  "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d3",
  "taskId": "5a5c4461-cdc9-4144-84f9-fcb278c5c122",
  "poster": {
    "name": "Aditya Munot",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6472"
  },
  "comment": "When are we preparing for the exam?"
},
{
  "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d3",
  "taskId": "5a5c4461-cdc9-4144-84f9-fcb278c5c122",
  "poster": {
    "name": "Ruthy Levi",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  },
  "comment": "Friday!! I have set an alarm event."
},
{
  "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d3",
```

```
    "taskId": "5a5c4461-cdc9-4144-84f9-fcb278c5c122",
    "poster": {
      "name": "Aditya Munot",
      "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6472"
    },
    "comment": "Okay, see you soon."
  }
}
```

Name	Type	Description
_id	string	The comment ID.
task_id	string	Comment related to the task.
poster	User Profile	A profile of the user who made the comment.
comment	string	The comment that the user made.

Account

Account Collection will store all the accounts related to User

```
{
  "_id": "8b8997a2-c0d2-4f8c-b27a-6a1d4b5b6470",
  "details": [
    {
      "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d5",
      "amount": "+500",
      "comment": "added salary"
    },
    {
      "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d6",
```

```
    "amount": "-21",  
    "comment": "Netflix paid"  
  },  
]  
}
```

Name	Type	Description
_id	string	The comment ID.
details	Details array	Account activity in array.

details (subdocument; not stored in a collection)

This subdocument is used to describe the user's Accounts.

```
{  
  "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d5",  
  "amount": "+500",  
  "comment": "added salary"  
}
```

Name	Type	Description
_id	string	A globally unique identifier to account details.
amount	string	Amount in dollar added/Subtracted to specific account.
comment	string	Comment on account's specific transaction.
