

Database Proposal

Team Members:

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Users

The User collection will store all the users and their profiles. User will be able to create, update, login and create tasks and manage it.

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "sessionId": "b3988882-627f-4c59-8d5d-54b7a43b030e",
  "hashedPassword": "$2a$08$XdvNkfdNIL8Fq7l8xsulUeSbNOFgK0M0iV5H",
  "Profile"
  {
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
    "First Name": "Oliver",
    "Last Name": "Twist",
    "Email": olive@xyz.com,
    "Occupation": "Project Manager"
  }
}
```

Name	Type	Description
_id	string	A global unique identifier which represents a user (Foreign Key, referred from User Profile)
session_id	string	A global unique identifier which represents a user's current session
hashed_password	string	A bcrypted string which is the hashed version of the users password

User Profile

This is a sub module for the Users Module.

“Profile”

```
{
  "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310",
  "First Name": "Oliver",
  "Last Name": "Twist",
  "Email": "olive@xyz.com",
  "Occupation": "Project Manager"
}
```

Name	Type	Description
_id	string	A global unique identifier which represents a user (primary key)
First Name	string	Users First Name
Last Name	string	Users Last Name (mandatory, cannot be null or empty)
Email	string	Users Login id for logging into the application

Occupation	string	Users Primary Role (Example: Student, Project Manager, etc.)
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Tasks

```
{
  "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d3",
  "creator": {
    "name": "Oliver Twist",
    "email": "olive@xyz.com",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  },
  "title": "Installing the mongodb driver package",
  "description": "We will be using the official MongoDB driver released by the official Mongo team. We will be using this driver to setup connections to do basic querying against MongoDB",
  "duedate": "10/31/2016",
  "creationdate": "10/28/2016",
  "priority": "high"
},
{
  "_id": "d8a44a11-0de3-44ad-9c58-5f3fe8f1c0d4",
  "creator": {
    "name": "Oliver Twist",
    "email": "olive@xyz.com",
    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  },
  "title": "Setup a route",
```

"description": "We will configure a route to get a list of all the user posts. We will be using the GET request method for the same.",

"duedate": "11/10/2016",

"creationdate": "10/28/2016",

"priority": "medium"

}

Name	Type	Description
_id	string	The Task ID.
creator	User Profile	A profile of the user who has created the task
title	string	Name of the task created
description	string	A longer description of task
duedate	string	The deadline of a task
creationdate	string	The date the task was created
priority	string	The importance of the task being created. It can have values: low, medium, high

Lists

The list collection will store all the tasks that are created for the different types.

{

"_id": "5a5c5466-cdc8-4156-94f9-fcb478c6c122",

"creator": {

"name": "Oliver Twist",

"email": "olive@xyz.com",

```

    "_id": "7b7997a2-c0d2-4f8c-b27a-6a1d4b5b6310"
  },
  "type": "ToDo", // (Options: Backup, ToDo, Doing, Done)
  "nooftasks": 2,
  "tasks": [
    {
      "_id": "d7a44a10-0de3-44ad-9c58-5f3fe8f1c0d3",
      "title": "Installing the mongodb driver package"
    },
    {
      "_id": "d8a44a11-0de3-44ad-9c58-5f3fe8f1c0d4",
      "title": "Setup a route"
    }
  ]
}

```

Name	Type	Description
_id	string	The Task ID.
creator	User Profile	A profile of the user whom has created the task
type	string	Name of the task created
nooftasks	string	Number of tasks listed by the user
tasks	object	The tasks present in that list