Bug Tracker

Group 2

Team Members:

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Project:

The project collection will store the details about projects. Each document will represent a project and will contain the name, description and the tickets and users associated with the project. An admin has the permission to edit the project object at any time.

JSON:

```
{
        "_id": ObjectId(507f191e810c19729de860ea),

        "projectName": "GTA 6",

        "description": "Rockstar will never make it",

        "users": ["507f191e810c19729de860e1","507f191e810c19729de860e1"],

        "tickets": ["507f1f77bcf86cd799439011","507f1f77bcf86cd799439012"],

}
```

Name	Type	Description
_id	ObjectId	The object ID of the project
projectName	string	The name of the project
description	string	The description of the project
user	Array	An array of user IDs assigned to the project
tickets	Array	An array of ticket IDs related to the project

User:

This collection stores all the users. Details of the users like the username, password, the role of the user, the projects assigned to the user, and the tickets assigned. For an admin role user the object will have a null array for assignedProjects and will have an array of tickets for that are marked ready to be closed by the developers.

JSON:

```
{
        "_id": ObjectId(507f191e810c19729712s3a),

        "username": "Chenfeng",

        "hashedPassword":
        "h91234y8012h21834y103481h234012384102u34y1234h-134y012349",

        "role": 1

        "assignedProjects": ["507f191e810c19729de860e1", "507f191e810c19729de860e1"],

        "createdTickets": ["507f1f77bcf86cd799439011", "507f1f77bcf86cd799439012"],

        "assignedTickets": ["507f1f77bcf86cd799439011", "507f1f77bcf86cd799439012"],
}
```

Name	Type	Description
_id	ObjectId	The object id of the user
username	string	The username of the user for login
hashedPassword	string	The password of the user for login but hashed.

role	number	Using numbers to identify roles.
assignedProjects	array	An array of project id that assigned to the user
createdTickets	Array	An array of tickets that the user created
assignedTickets	Array	An array of the ticket that the user is assigned to solve.

Ticket:

A collection of tickets that signify a bug or an issue in the software system. Each ticket will contain its unique ID, the title of the ticket, its priority, a description of the issue, the status of the ticket and also references to the project, the user who created the ticket and the users assigned.

JSON:

{

       "_id": ObjectId(507f191e810c19729de860ea),

       "title": "asset clipping",

       "description": "The character can pass through walls, also hitbox is too big",

       "priority": 2,

       "creator": "507f191e810c19729de860e1",

       "project": "507f191e810c145329de860eb",

       "status": "open",

       "createdTime": "December 17, 1995 03:24:00",

       "errortype": "bugs",

       "assignedUsers": ["507f1f77bcf86cd799439011", "507f1f77bcf86cd799439012"],

       "comments": [{_id:ObjectId(507f191e810c19729de860ea),

              "userID": "507f191e810c19729de860e1",

              "text": "Should be easy",

              "createdTime":"December 17, 1995 03:24:00"}

              ],

}

Name	Type	Description
_id	ObjectId	The object id of the ticket
title	String	The tile of the ticket
description	String	The description of the ticket
priority	Number	Using 0,1,2 to determine the priority of the ticket(2 is highest priority and 0 is the lest important)
creator	ObjectId	The object id of the ticket creator
project	ObjectId	The object id of the ticket belongs to
status	string	Predefined status types like Open, close, pending etc.
createdTime	Date	The time the ticket was created
errorType	string	The type of bug the ticket is for

assignedUsers	Array	An array of user id that the ticket assigned to
comments	Array	An array of comments (comment is a subdocument which has userId and a string of comment)

Comments (subdocument):

Represents a comment that sits as a subdocument of a ticket. The document contains the actual comment, the ID of the user who created it and the comments own unique ID.

JSON:

```
{
        "_id": ObjectId(507f191e810c19729de860ea),

        "userID": "507f191e810c19729de860e1",

        "text": "Should be easy",

        "createdTime": "December 17, 1995 03:24:00"

}
```

Name	Type	Description
_id	ObjectId	The object Id of the comment
userId	String	The ID of the user who created the comment
text	String	Comment Payload
createdTime	Date	Time the comment was created