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Class:- TE IT

Div:-2

Roll no:- I3253

Assignment no: – 3(b)

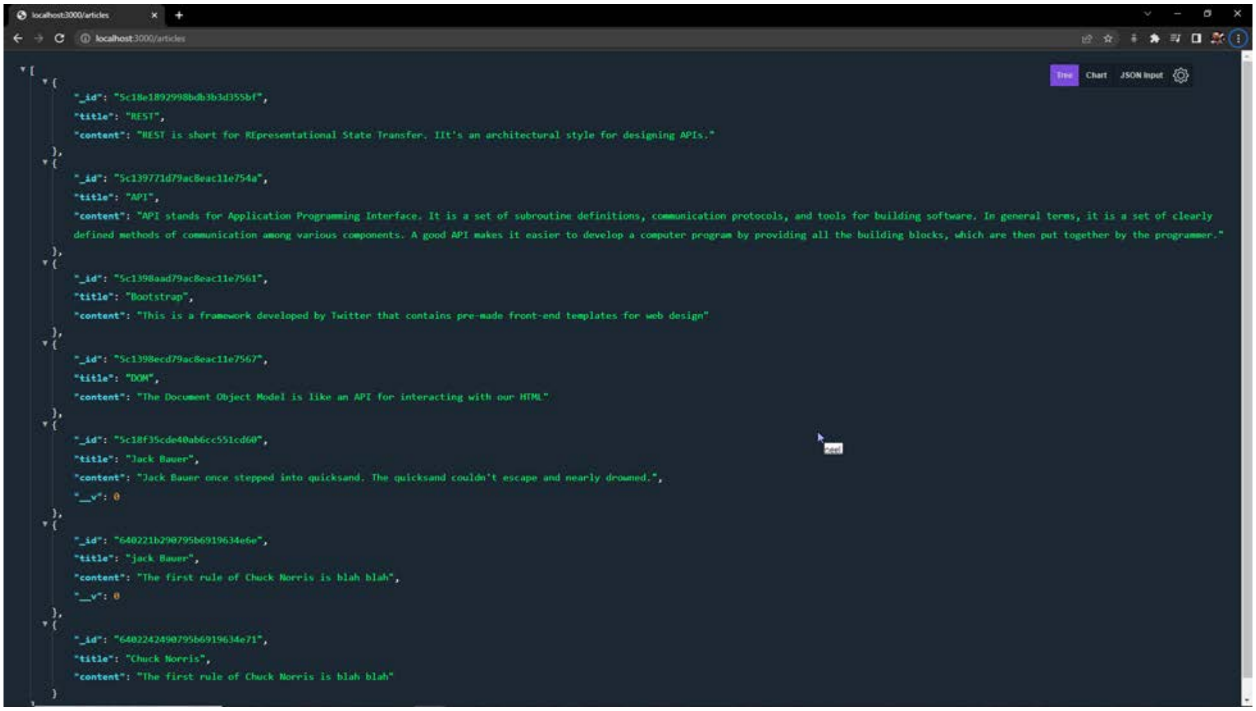
Problem Statement: Create four API using Node.JS, ExpressJS and MongoDB for CURD Operations on assignment 2.C.

```
const express = require("express");

const bodyParser = require("body-parser");

const ejs = require("ejs");

const mongoose = require("mongoose");


const app = express();  //Creating new app instance


app.set('view engine', 'ejs');


app.use(bodyParser.urlencoded({extended: true}));

app.use(express.static("public"));


mongoose.set('strictQuery',false);

mongoose.connect("mongodb://127.0.0.1:27017/wikiDB");
```

```
const articleSchema = {

  title:String,

  content:String

}


const Article = mongoose.model("Article",articleSchema);


/////////////////////////// REQUESTS TARGETTING ALL ARTICLES ////////////////////////////////////


app.route("/articles")


.get(function(req,res){

  Article.find(function(err,foundArticles){

    if(!err){

        res.send(foundArticles);

    }else{

      res.send(err);

    }

  });

})




.post(function(req,res){


  const newArticle = new Article({
    title:req.body.title,

    content:req.body.content

  });

  newArticle.save(function(err){

    if(!err){

      res.send("Successfully added a new Article");

    }else{

      res.send(err);

    }

  });

})


.delete(function(req,res){

  Article.deleteMany(function(err){

    if(!err){

      res.send("Successfully deleted all Articles");

    }else{

      res.send(err);

    }

  });

});


/////////////////////////// REQUESTS TARGETTING A SPECIFIC ARTICLE ////////////////////////////////////


app.route("/articles/:articleTitle")
```

```
.get(function(req,res){
  Article.findOne({title:req.params.articleTitle}, function(err,foundArticle){
    if(foundArticle){
      res.send(foundArticle)
    }else{
      res.send("No Articles matching that title found");
    }
  });
})

.put(function(req,res){
  Article.findOneAndUpdate(
    {title: req.params.articleTitle},
    {title: req.body.title, content: req.body.content},
    {overwrite:true},
    function(err){
      if(!err){
        res.send("Successfully updated  article")
      }else{
        res.send(err)
      }
    }
  );
})
```

```
.patch(function(req,res){
  Article.findOneAndUpdate(
    {title: req.params.articleTitle},
    {$set:req.body},
    function(err){
      if(!err){
        res.send("Successfully updated")
      }else{
        res.send(err)
      }
    }
  );
});


app.listen(3000,function(req,res){
  console.log("Server started at port 3000");
});
```



```
[
  {
      "_id": "5c18e1892998bdb3b3d355bf",
      "title": "REST",
      "content": "REST is short for REpresentational State Transfer. IIt's an architectural style for designing APIs."
  },
  {
      "_id": "5c139771d79ac8eac11e754a",
      "title": "API",
      "content": "API stands for Application Programming Interface. It is a set of subroutine definitions, communication protocols, and tools for building software. In general terms, it is a set of clearly
      defined methods of communication among various components. A good API makes it easier to develop a computer program by providing all the building blocks, which are then put together by the programmer."
  },
  {
      "_id": "5c1398aad79ac8eac11e7561",
      "title": "Bootstrap",
      "content": "This is a framework developed by Twitter that contains pre-made front-end templates for web design"
  },
  {
      "_id": "5c1398ecd79ac8eac11e7567",
      "title": "DOM",
      "content": "The Document Object Model is like an API for interacting with our HTML"
  },
  {
      "_id": "5c18f35cde40ab6cc551cd60",
      "title": "Jack Bauer",
      "content": "Jack Bauer once stepped into quicksand. The quicksand couldn't escape and nearly drowned.",
      "__v": 0
  },
  {
      "_id": "640221b290795b6919634e6e",
      "title": "jack Bauer",
      "content": "The first rule of Chuck Norris is blah blah",
      "__v": 0
  },
  {
      "_id": "6402242490795b6919634e71",
      "title": "Chuck Norris",
      "content": "The first rule of Chuck Norris is blah blah"
  }
```