Assignment-3

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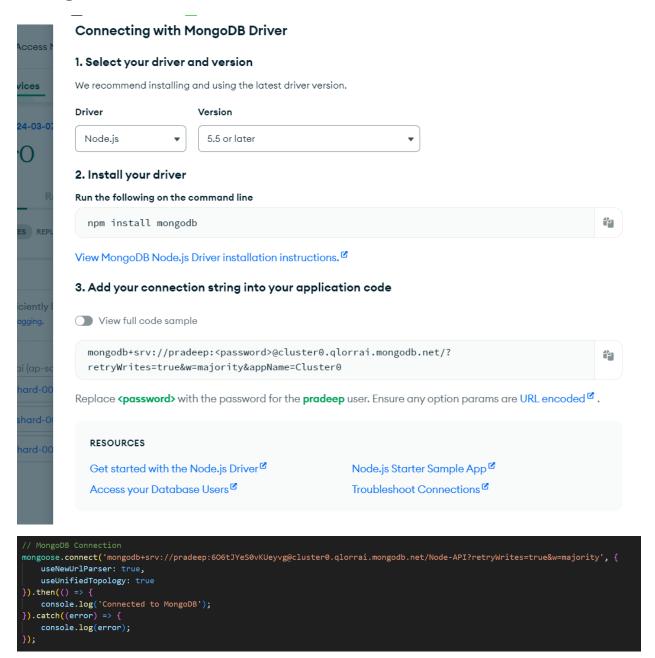
E mail: 208x1a0520@khitguntur.ac.in

All codes:

Server.js code:

```
O Node-API
                                                                                                                                                                                                     JS server.js X ◇ new.ejs ◇ edit.ejs # styles.css ◇ index.ejs JS productModel.js
H
            31 app.get('/products', async (req, res) => {
                       try {
   const products = await Product.find({});
   res.render('index', { products });
} catch (error) {
                        res.status(500).json({ message: error.message });
                  // New route - display form for adding new product
app.get('/products/new', (req, res) => {
                  // Create route - add new product to database
app.post('/products', async (req, res) => {
                             res.redirect('/products');
                              res.status(500).json({ message: error.message });
                 // Edit route - display form for editing product
app.get('/products/:id/edit', async (req, res) => {
203
	imes File Edit Selection View Go Run \cdots \leftarrow 	o
                                                                                                                   JS server.js X ↔ new.ejs
           56 app.get('/products/:id/edit', async (req, res) => {
    try {
        const { id } = req.params;
        const product = await Product.findById(id);
        res.render('edit', { product });
    }
 <u>د</u>
3
                        res.status(500).json({ message: error.message });
}
                  // Update route - update product in database
app.put('/products/:id', async (req, res) => {
                        const { id } = req.params;
await Product.findByIdAndUpdate(id, req.body);
                      } catch (error) {
   res.status(500).json({ message: error.message });
                  // Delete route - remove product from database
app.delete('/products/:id', async (req, res) => {
                           const { id } = req.params;
await Product.findByIdAndDelete(id);
res.redirect('/products');
                        } catch (error) {
    res.status(500).json({ message: error.message });
```

Mongo db connection:



Routes:

```
// Create route - add new product to database
app.post('/products', async (req, res) => {
    try {
        await Product.create(req.body);
        res.redirect('/products');
    } catch (error) {
        res.status(500).json({ message: error.message });
    }
});
```

```
// Edit route - display form for editing product
app.get('/products/:id/edit', async (req, res) => {
    try {
        const { id } = req.params;
        const product = await Product.findById(id);
        res.render('edit', { product });
    } catch (error) {
        res.status(500).json({ message: error.message });
    }
});
```

```
// Update route - update product in database
app.put('/products/:id', async (req, res) => {
    try {
        const { id } = req.params;
        await Product.findByIdAndUpdate(id, req.body);
        res.redirect('/products');
    } catch (error) {
        res.status(500).json({ message: error.message });
    }
});
```

```
// Delete route - remove product from database
app.delete('/products/:id', async (req, res) => {
    try {
       const { id } = req.params;
       await Product.findByIdAndDelete(id);
       res.redirect('/products');
    } catch (error) {
       res.status(500).json({ message: error.message });
    }
});
```

Middleware:

```
// Middleware
app.set('view engine', 'ejs');
app.use(express.urlencoded({ extended: false }));
app.use(methodOverride('_method'));
```

Models/ProductModel.js:

```
models > JS productModel.js > ...
      const mongoose = require('mongoose');
      const productSchema = new mongoose.Schema({
          name: {
              type: String,
              required: [true, "Please enter a product name"]
          quantity: {
              type: Number,
              required: true,
              default: 0
          price: {
             type: Number,
             required: true,
          image: {
              type: String,
              required: false,
      }, { timestamps: true });
      const Product = mongoose.model('Product', productSchema);
      module.exports = Product;
 26
```

Views:

Edit.ejs:

```
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ch
```

Index.ejs:

```
<!DOCTYPE html>
<html lang="en"
   <meta charset="UTF-8">
   <meta name="viewport" content="width=device-width. initial-scale=1.0">
   <title>Product List</title>
         margin-bottom: 20px;
         border-radius: 10px;
box-shadow: 0 4px 8px □rgba(0, 0, 0, 0.1);
      .product-image {
   max-width: 100%;
          max-height: 200px; /* Adjust the maximum height as needed */
         border-radius: 10px 10px 0 0;
object-fit: cover; /* Ensure the image covers the entire container */
         padding: 20px;
 <html lang="en">
       <% products.forEach(product => { %>
              Quantity: <%= product.quantity %>
<form action="/products/<%= product._id %>/edit" method="get">
```

<button class="btn btn-primary">Edit</button:</pre>

(% }); %>

New.ejs

Styles.css:

```
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                                                                                                                                                           ■ □ □ □ -
                                                                                          # styles.css X • index.ejs Js productModel.js
       EXPLORER
      ∨ NODE-API
                            1 /* General styles */
2 body {
3 font-family: Arial, sans-serif;
background-color: ■#f9f9f9;
                                                   margin: 0;
      # styles.css
       > views
       gitignore
       → ASSIGNMENT-1.pdf U

→ ASSIGNMENT-2.pdf U
                                                 max-width: 800px;
                                                   margin: 0 auto;
                                                   padding: 20px;
       {} package-lock.json
       {} package.json
                                              h1 {
   text-align: center;
   margin-bottom: 20px;

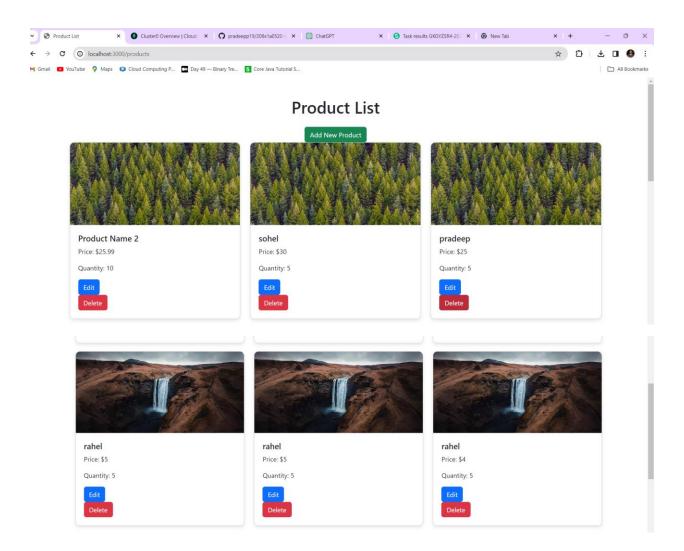
    README.md

                                              margin-top: 20px;
```

Outputs:

```
PS C:\Users\sohel\Mode-API> node server.js
(node:7652) [POMEOOSE] DeprecationWarning: Mongoose: the `strictQuery' option will be switched back to `false` by default in Mongoose 7. Use `mongoose.set('strictQuery', false); `if you want to prepare for this change. Or use `mongoose.set('strictQuery', true); `to suppress this warning.
(Use `node --trace-deprecation ...` to show where the warning was created)
Server is running on port 3000
Connected to MongoO8

[]
```



After clicking add product:

Add New Product

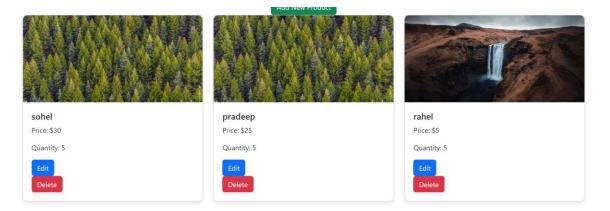
Product N	Jame:		
Quantity:			
Price:			,
Image UI	Ł:		
Add Prod	luct		

By clicking edit of any photo:

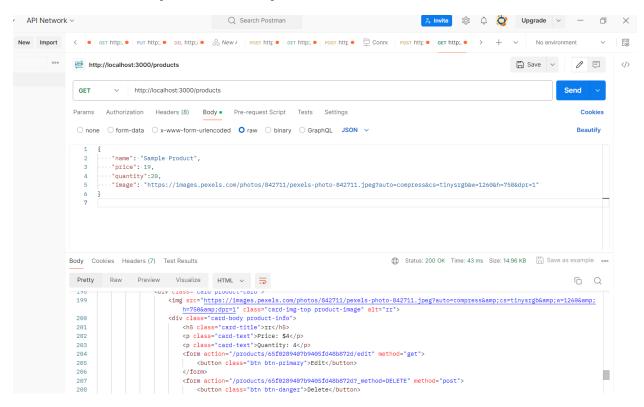
Edit Product

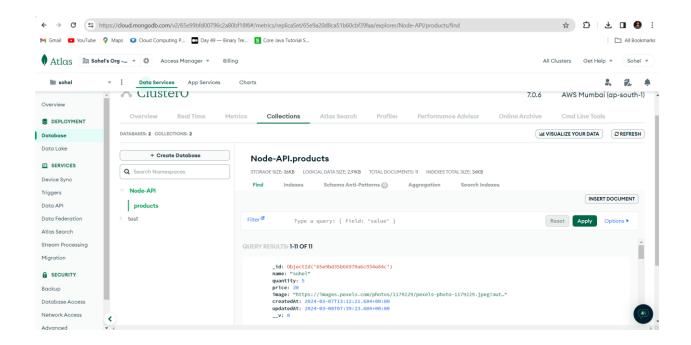
By clicking delete product info will be deleted:

I have deleted product name 2



We have used post man api





How to run:

First connect mongo db by

'mongodb+srv://pradeep:6O6tJYeS0vKUeyvg@cluster0.qlorrai.mongodb.net/Node-API?retryWrites=true&w=majority'

Run the local host by : node server.js