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Roll No : 28

Sem : 7th

Subject : Practical-

M.sc (it)

Assignment -3

Q:1 Design and develop a module to manage vehicle data for a vehicle resale agency considering following requirements. - Design two collections

(1) vehicle_category (c_id, category_name)

(2) vehicle_data (_id, vehicle_brand, category_name, vehicle picture, price, depreciation , number of years, total price) - Insert vehicle

- upload a picture
- Load category data in a combo
- Establish relation between two collections
- List vehicle data along with category_name

Code :

server.js

```
const express = require('express');
const myRoutes = require('./routes/route');
const app = express();
const port = 3000;

app.use(express.urlencoded({extended: true}));
app.set('view engine', 'ejs');
app.use(express.static('uploads'));
app.use(myRoutes);

app.listen(port, () => {
  console.log("App is Listening on port " + port);
});
```

db.js

```
const mongoose = require('mongoose');
mongoose.connect('mongodb://localhost:27017/ExamPaperDB');
var db = mongoose.connection;

db.on('error', () => {
  console.log('Error...');
});
db.on('connected', () => {
  console.log('Connected...');
});

var CategorySchema = mongoose.Schema({
  c_id: String,
  category_name: String
});
var vehicleDataSchema = mongoose.Schema({
  vehicle_brand: String,
  category_name: String,
  vehicle_picture: String,
  price: Number,
  depreciation: Number,
```

```

    number_of_years: Number,
    total_price: Number
  });

var vehicle1 = mongoose.model('vehicle_category', CategorySchema);
var vehicle2 = mongoose.model('vehicle_data', vehicleDataSchema);
module.exports = { vehicle1, vehicle2 };

```

route.js

```

const router = require('express').Router();
const Student = require('../models/db');
const multer = require('multer');
const path = require('path');
const vehicle = require('../models/db');

var myfilename;
var updatefilename;
const options = multer.diskStorage({
  destination : function(req, file, cb)
  {
    cb(null, './uploads')
  },
  filename : function(req, file, cb)
  {
    cb(null, Date.now() + path.extname(file.originalname))
  }
});

const upload = multer({ storage: options });

router.get('/', (req, res) => {
  vehicle.vehicle1.find((err, data) => {
    if(err) throw err;
    res.render('insert', {data: data});
  });
});

router.get('/showdata', (req, res) => {
  vehicle.vehicle2.find((err, data) => {
    if(err) throw err;
    res.render('show', {data: data});
  });
});

router.post('/insert', upload.single('myfile'), (req, res) => {
  if(req.body.insert == 'UPLOAD')

```

```

{
  myfilename = req.file.filename;
  res.send("Uploaded Successfully as " + myfilename);
}
else if(req.body.insert == 'INSERT')
{
  var insert_data = new vehicle.vehicle2({
    vehicle_brand: req.body.brand,
    category_name: req.body.cat,
    vehicle_picture: myfilename,
    price: req.body.price,
    depreciation: req.body.dep,
    number_of_years: req.body.years,
    total_price: req.body.tprice
  });
  insert_data.save((err, data) => {
    if(err) throw err;
    res.send("Inserted Successfully...");
  });
}
});
});

module.exports = router;

```

insert.ejs

```

<html>
  <body>
    <main>
      <h1>Registration Form</h1>
      <form action="/insert" method="post" enctype="multipart/form-data">
        Enter Vehicle Brand :- <input type="text" name="brand"
/><br/><br/>
        Select Vehicle Category :-
        <select name="cat">
          <% data.forEach((item) => { %>
            <option><%= item.category_name %></option>
          <% }); %>
        </select><br/><br/>
        Enter price :- <input type="text" name="price" /><br/><br/>
        Enter Depreciation :- <input type="text" name="dep" /><br/><br/>
        Enter Total Years :- <input type="text" name="years" /><br/><br/>
        Enter Total Price :- <input type="text" name="tprice"
/><br/><br/>

```

```

        Select Pic :- <input type="file" name="myfile" />
        <input type="submit" value="UPLOAD" name="insert" /><br/><br/>
        <input type="submit" value="INSERT" name="insert">
    </form>
    <form action="/showdata">
        <input type="submit" value="Show-Data" />
    </form>
</main>
</body>
</html>

```

Show.ejs

```

<html>
  <body>
    <main>
      <table border="2" cellpadding="20">
        <tr>
          <th>BRAND</th>
          <th>CATEGORY</th>
          <th>PRICE</th>
          <th>TOTAL</th>
          <th>YEARS</th>
          <th>PIC</th>
        </tr>
        <% data.forEach((item) => { %>
          <tr>
            <td><%= item.vehicle_brand %></td>
            <td><%= item.category_name %></td>
            <td><%= item.price %></td>
            <td><%= item.total_price %></td>
            <td><%= item.number_of_years %></td>
            <td></td>
          </tr>
          <% }); %>
        </table>
      </main>
    </body>
  </html>

```

Output :

WhatsApp Extra Assignment - Practice internal practical 701.pdf practical Assignment-3.pdf GitHub localhost:3000

localhost:3000

Registration Form

Enter Vehicle Brand :-

Select Vehicel Category :- Category N
Category M
Category L
Category T

Enter price :-

Enter Depreciation :-

Enter Total Years :-

Enter Total Price :-

Select Pic :- No file chosen

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WhatsApp Extra Assignment - Practice internal practical 701.pdf practical Assignment-3.pdf GitHub localhost:3000

localhost:3000

Registration Form

Enter Vehicle Brand :-

Select Vehicel Category :- Category N

Enter price :-

Enter Depreciation :-

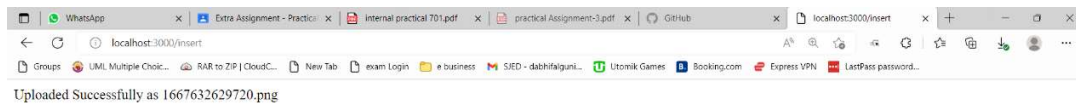
Enter Total Years :-

Enter Total Price :-

Select Pic :- Screenshot (327).png

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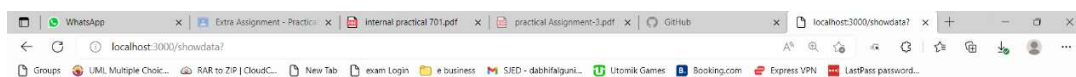
Uploaded Successfully.




Inserted Successfully.



ShowData



| BRAND | CATEGORY | PRICE | TOTAL | YEARS | PIC |
|---------|------------|--------|--------|-------|---|
| marutii | Category M | 800000 | 850000 | 2 |  |
| BMW | Category L | 500000 | 580000 | 5 |  |
| Kia | Category N | 500000 | 570000 | 3 |  |



