Module 3 Lab 1

Brandon Trinkle

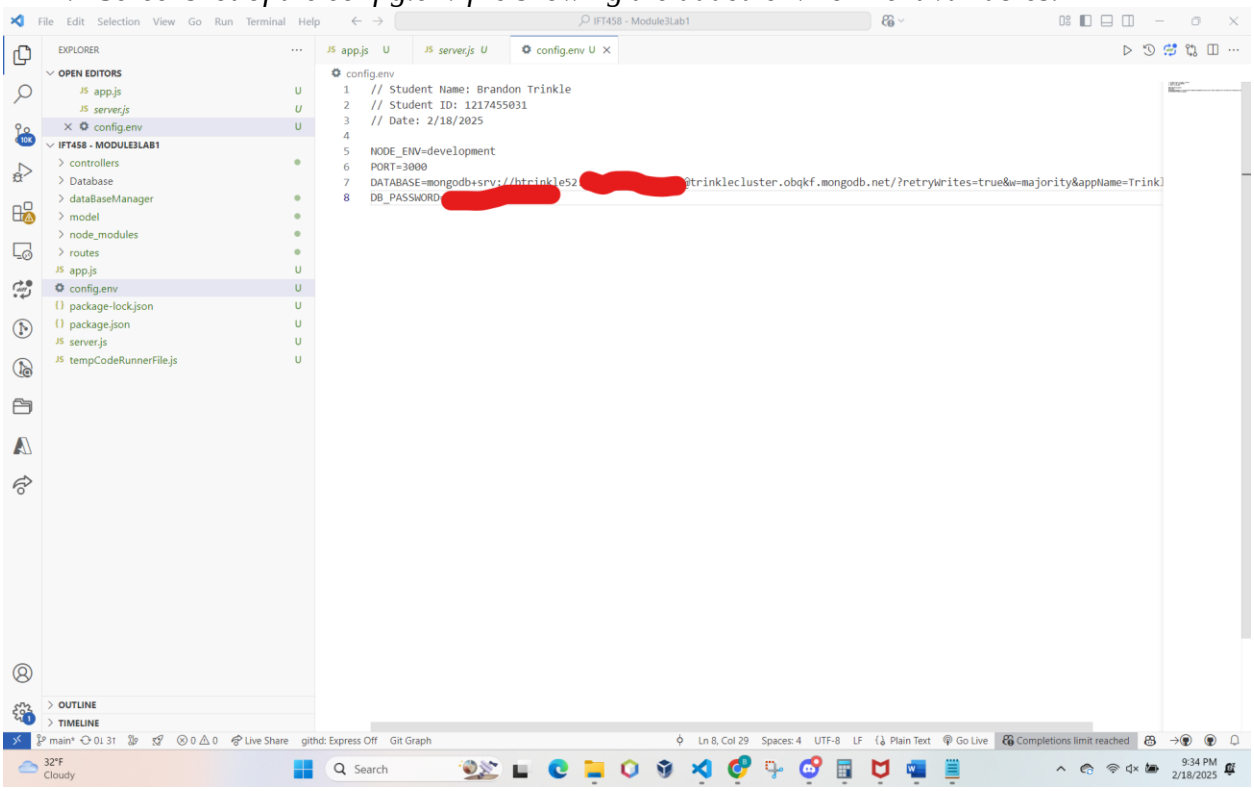
IFT 458: Middleware Prog & Database Sec

Professor: Dinesh Sthapit

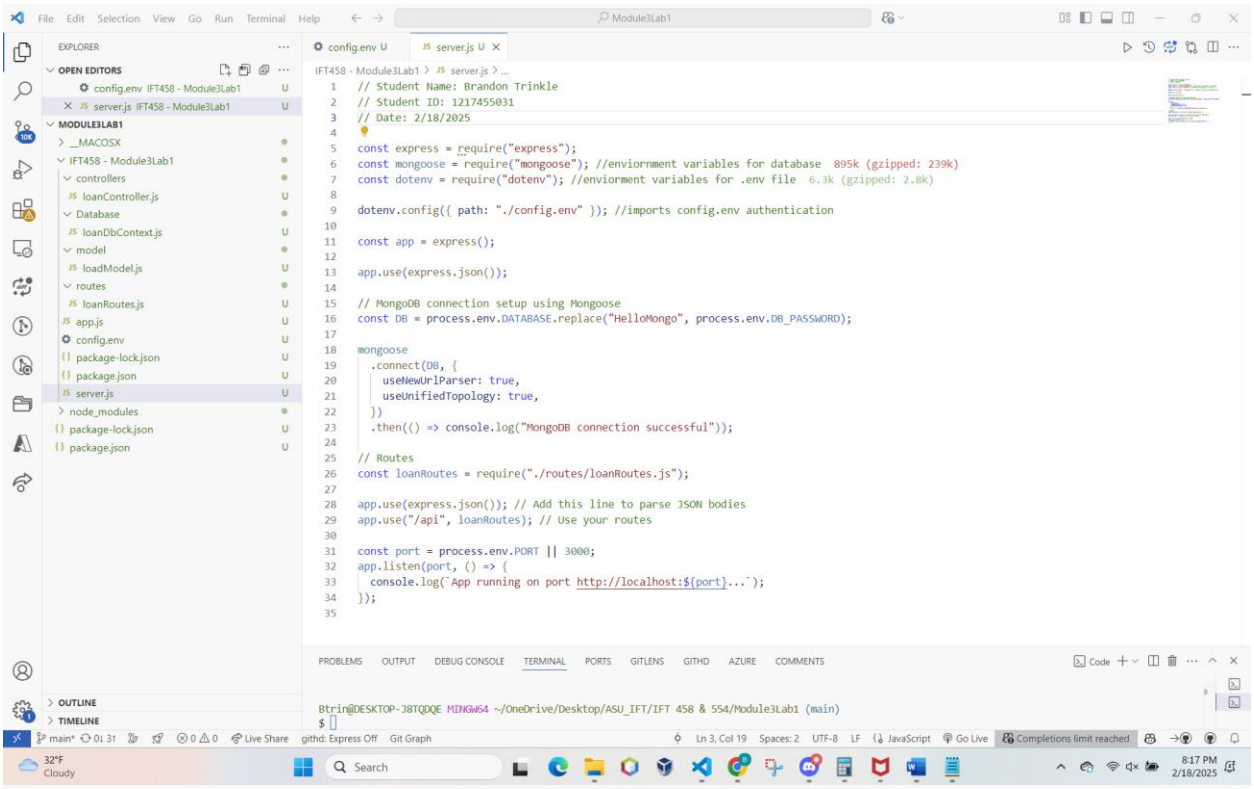
Feb 18, 2025

Module 3 Lab 1

1. *Screenshot of the config.env file showing the added environment variables.*

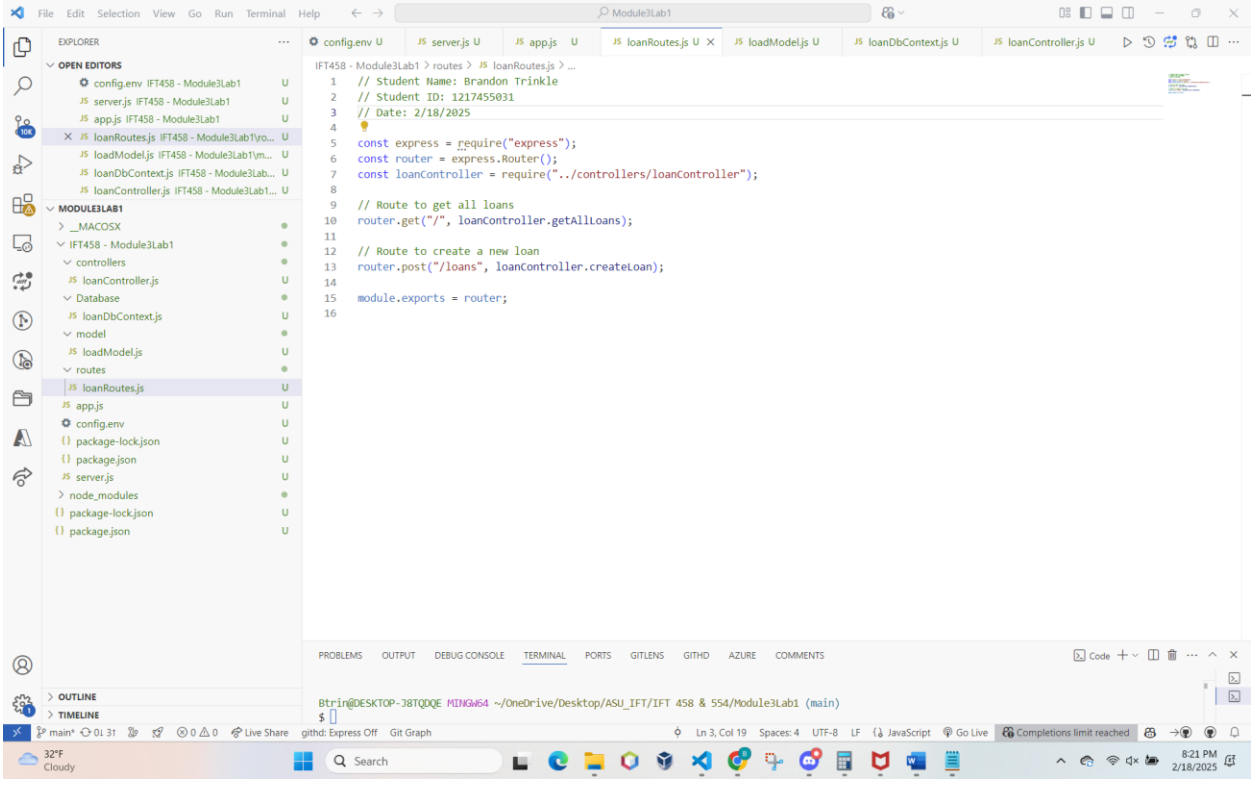


2. *Screenshots of the loanModel.js, loanController.js, loanRoutes.js, and server.js files showing the code and file structure. **Multiple screenshots, see deliverables.***



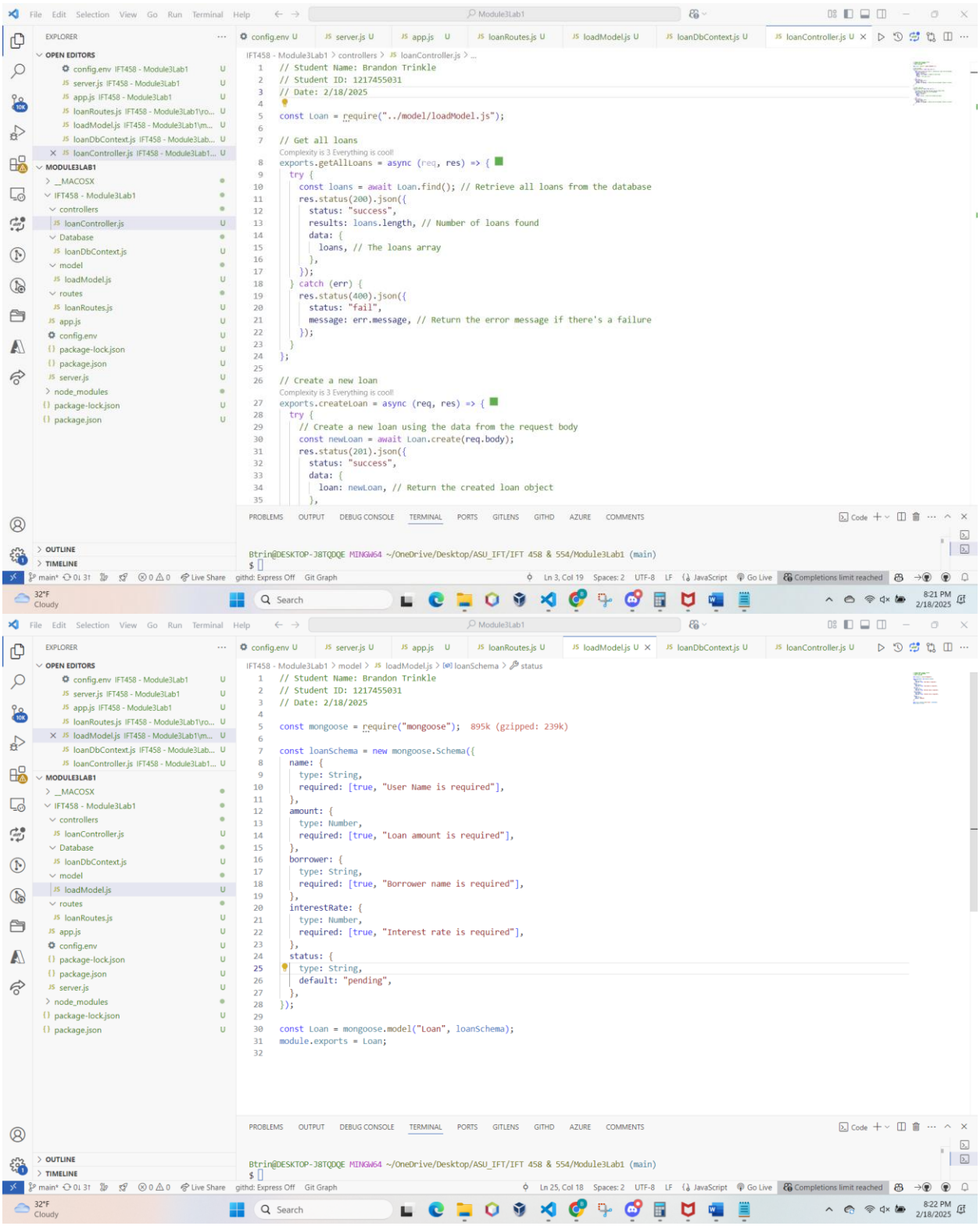
```
// Student Name: Brandon Trinkle
// Student ID: 1217455031
// Date: 2/18/2025

const express = require("express");
const mongoose = require("mongoose"); //enviornment variables for database  895k (gzipped: 239k)
const dotenv = require("dotenv"); //enviornment variables for .env file  6.3k (gzipped: 2.8k)

dotenv.config({ path: "./config.env" }); //imports config.env authentication

const app = express();

app.use(express.json());

// MongoDB connection setup using Mongoose
const DB = process.env.DATABASE.replace("HelloMongo", process.env.DB_PASSWORD);

mongoose
  .connect(DB, {
    useNewUrlParser: true,
    useUnifiedTopology: true,
  })
  .then(() => console.log("MongoDB connection successful"));

// Routes
const loanRoutes = require("./routes/loanRoutes.js");

app.use(express.json()); // Add this line to parse JSON bodies
app.use("/api", loanRoutes); // Use your routes

const port = process.env.PORT || 3000;
app.listen(port, () => {
  console.log(`App running on port http://localhost:${port}...`);
});
```

```
Btrin@DESKTOP-J8TQDQE MINGW64 ~/OneDrive/Desktop/ASU_IFT/IFT 458 & 554/Module3Lab1 (main)
$
```

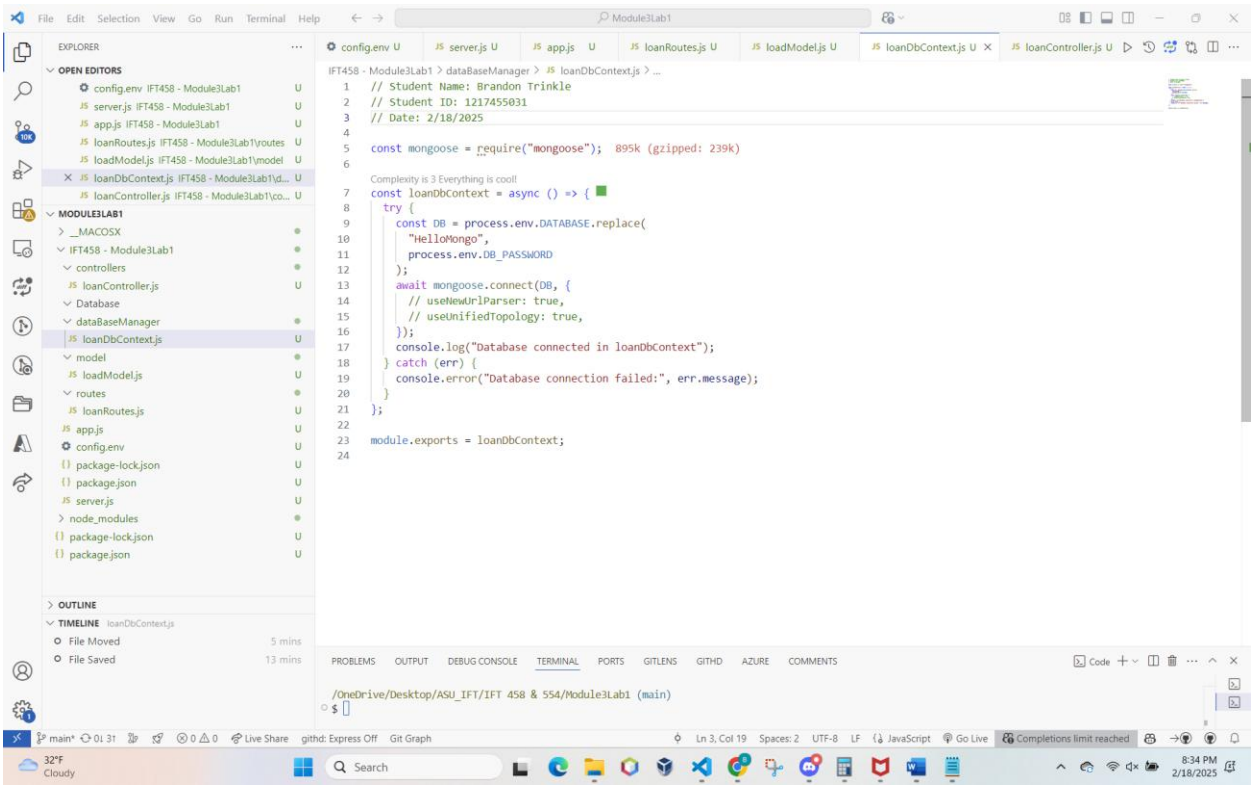


```
// Student Name: Brandon Trinkle
// Student ID: 1217455031
// Date: 2/18/2025

const express = require("express");
const router = express.Router();
const loanController = require("../controllers/loanController");

// Route to get all loans
router.get("/", loanController.getAllLoans);

// Route to create a new loan
router.post("/loans", loanController.createLoan);

module.exports = router;
```

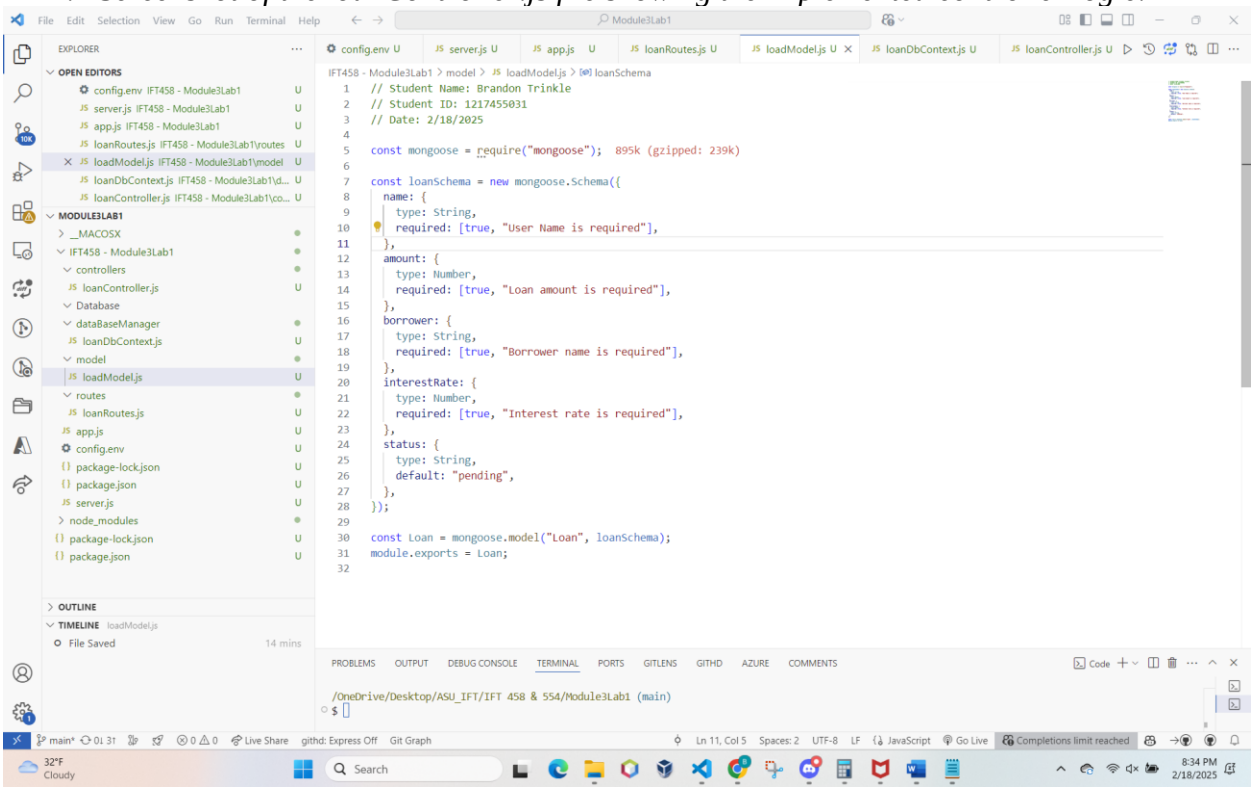
```
Btrin@DESKTOP-J8TQDQE MINGW64 ~/OneDrive/Desktop/ASU_IFT/IFT 458 & 554/Module3Lab1 (main)
$
```



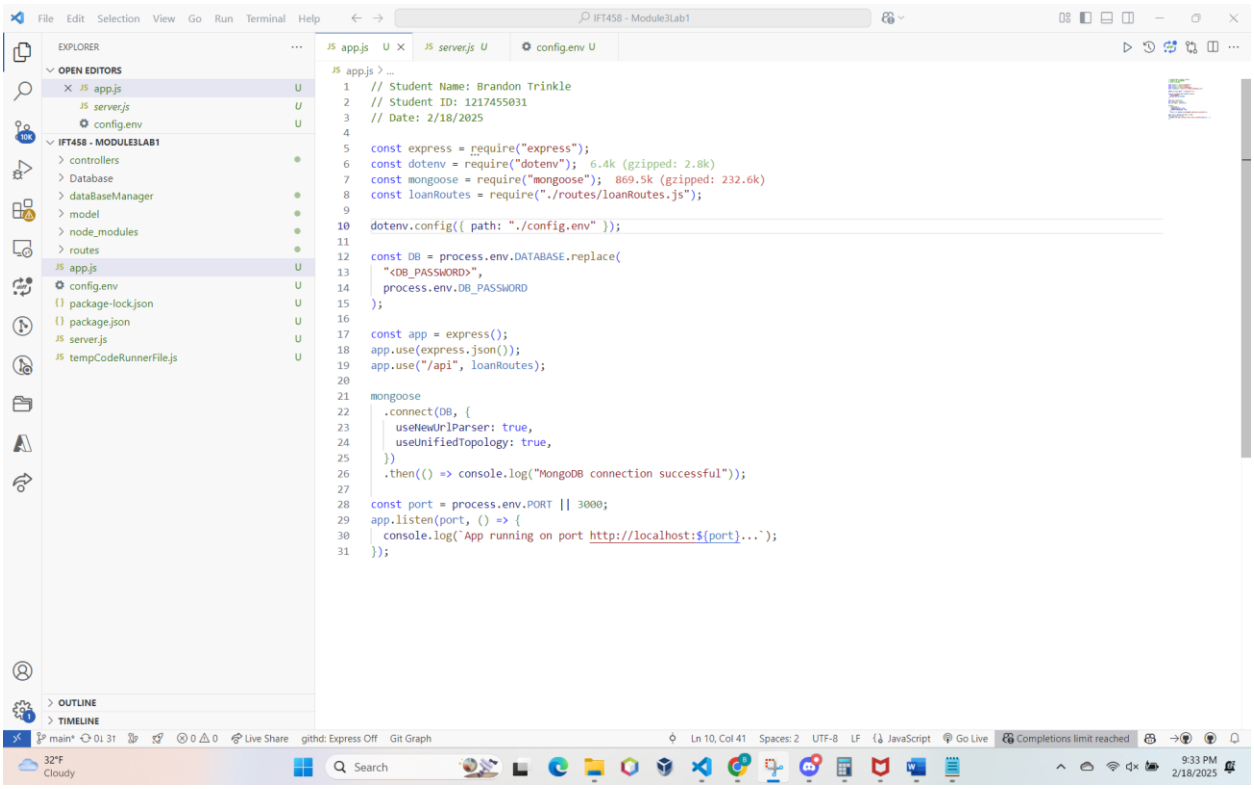
3. *Deliverable: Screenshot of the loanDbContext.js file within the dataBaseManager folder showing the modified code.*



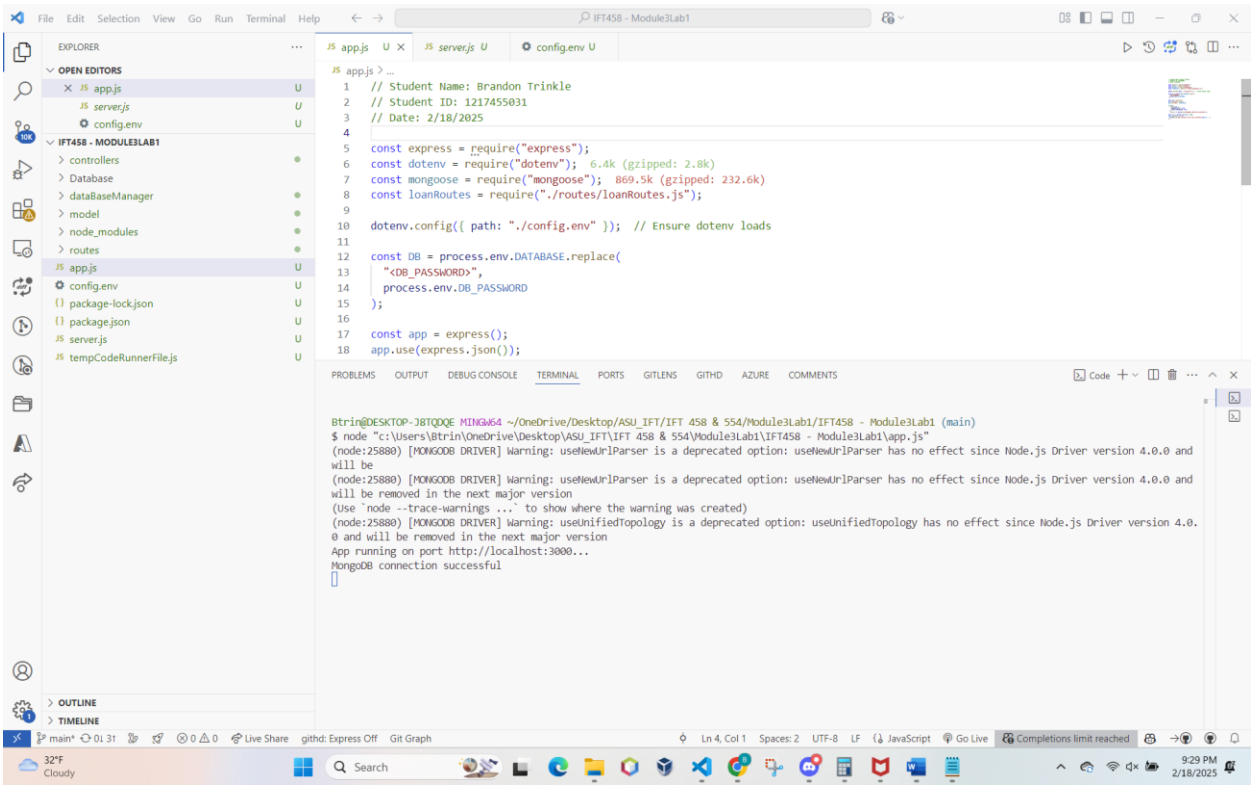
4. Screenshot of the loanController.js file showing the implemented controller logic.



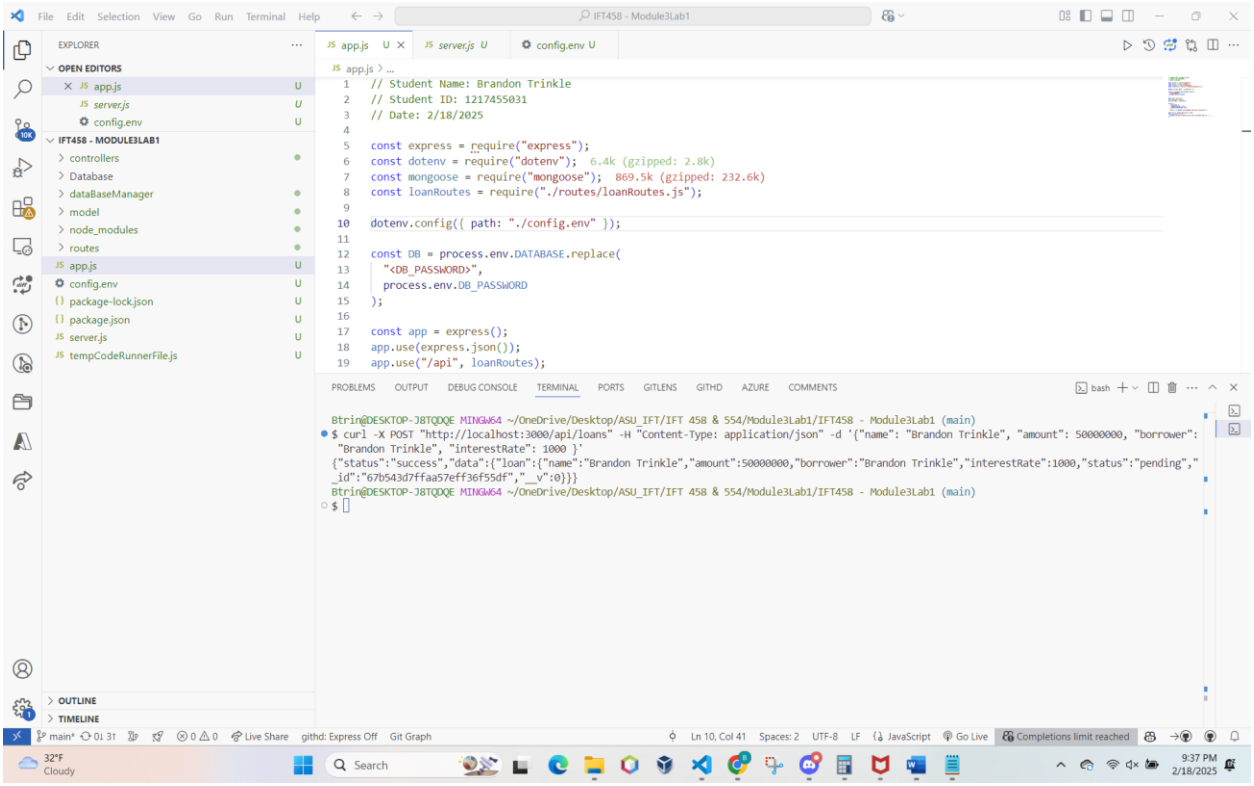
5. Screenshot of the app.js file showing the added routes and their configuration.



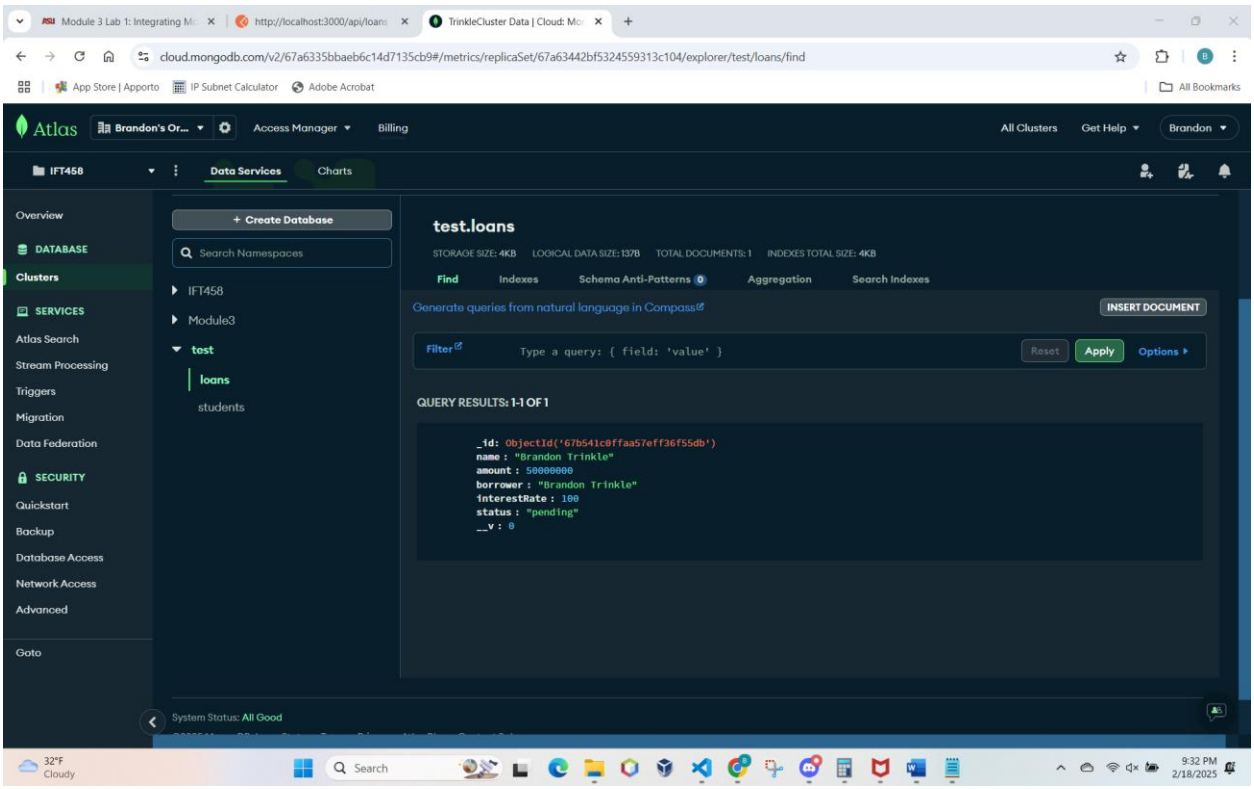
- *6*
  - *A. Take a screenshot of the Postman request showing the successful addition of data.*
  - *Open MongoDB terminal and verify that the data has been successfully inserted.*
  - *Take a screenshot of the MongoDB terminal showing the added data.*



Note: connected to MongoDB



Note: I had issues with postman, so I used curl to send a post request to the server. I gave myself an absurd interest rate as a result!



Note: MongoDB was updated.