Payroll-api Documentation

1. Open payroll-api github link: https://github.com/Sabd98/payroll-api
2. Git clone it.
3. Then install dependencies with bun i or npm i
4. Set your env config like this:

   PORT = 3000

   DB_USER=postgres

   DB_PASSWORD=your_password

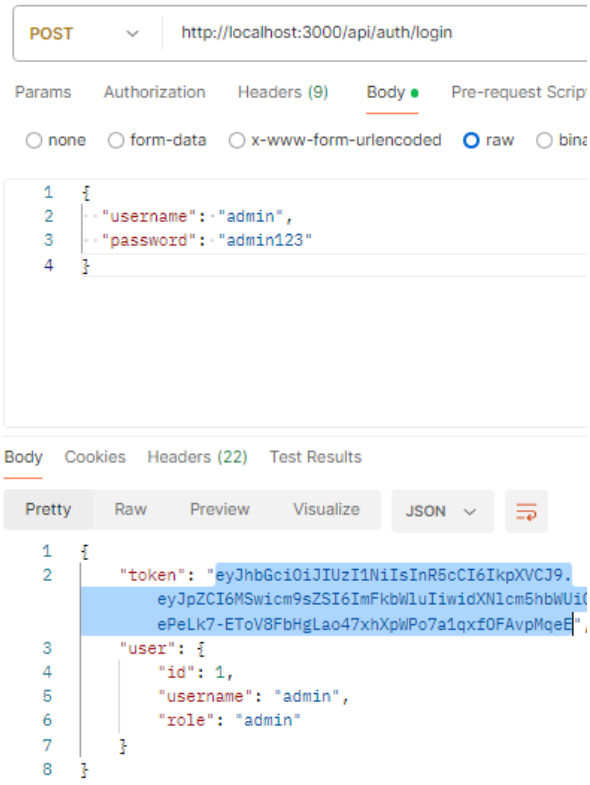
   DB_NAME=payroll_management

   DB_HOST=localhost

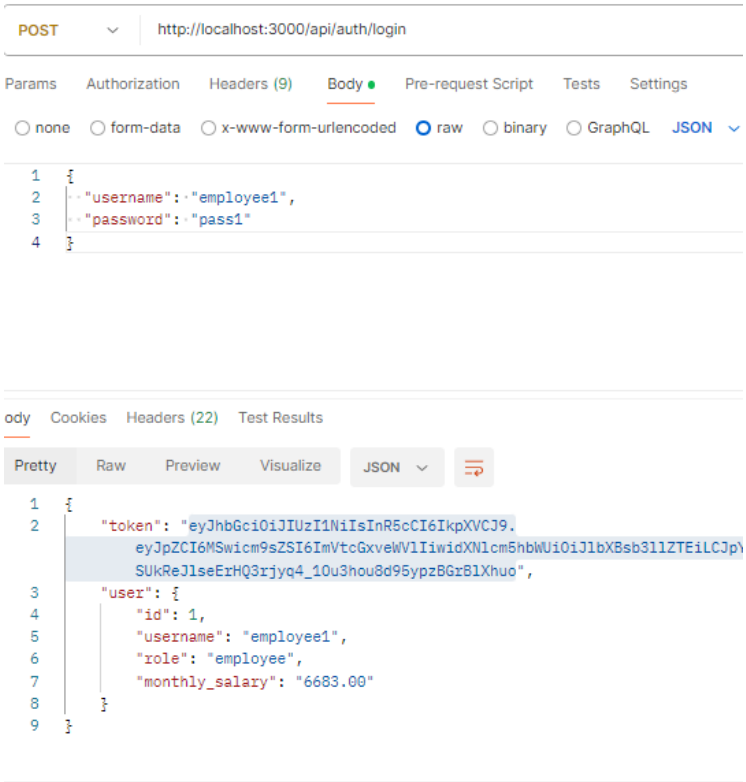
   JWT_SECRET=your_secret

   RUN_SEEDERS=false
5. Create database
6. Then Run migrate with bunx/npx sequelize-cli db:migrate
7. Seed available dummy data with set RUN_SEEDERS to true
8. Run server with node index.js/nodemon index.js
9. If run, you'll found database synced at end of log
10. Wait for many seconds, and dumy data has been seeded automatically.
11. You can try my api-documentation json called 'payroll-employee-api.postman_collection.json' with import it to postman/thunderclient.
12. Okay finish. Now let's try many used api's.

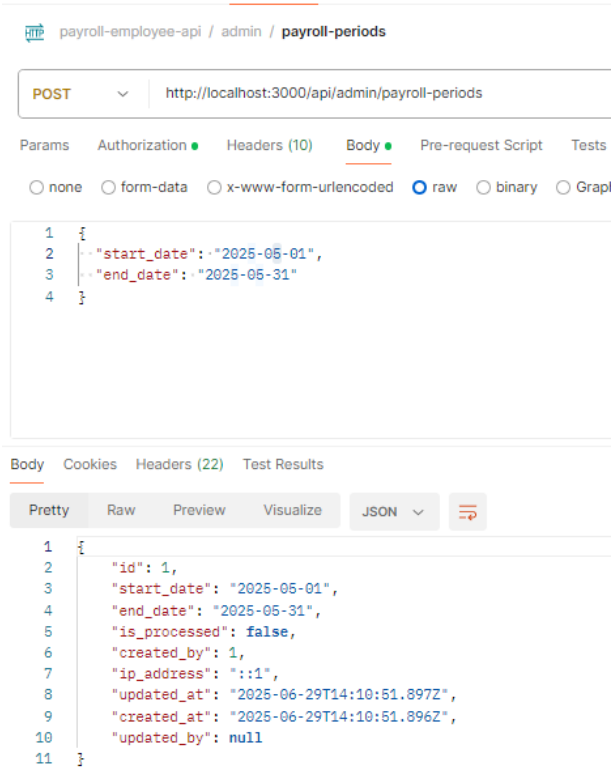
A. Login Admin. Post is so it'll generate token for admin. Expired in 1 hour.



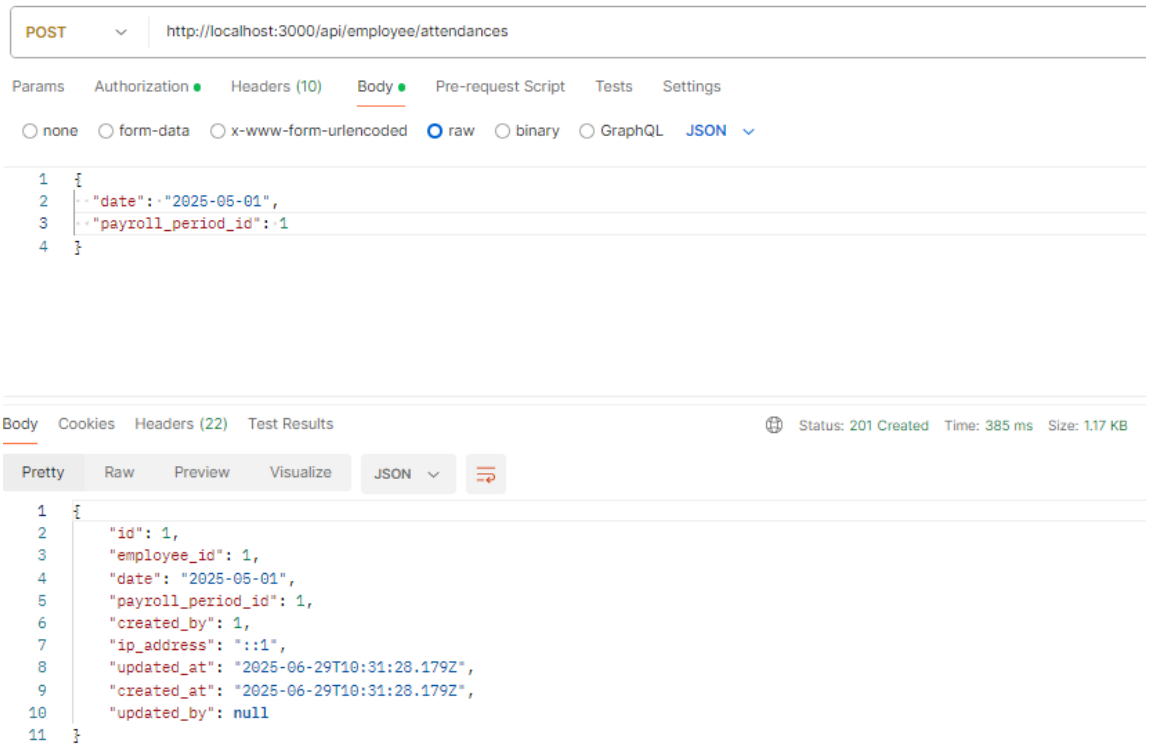
B. Same as employee with different generate token



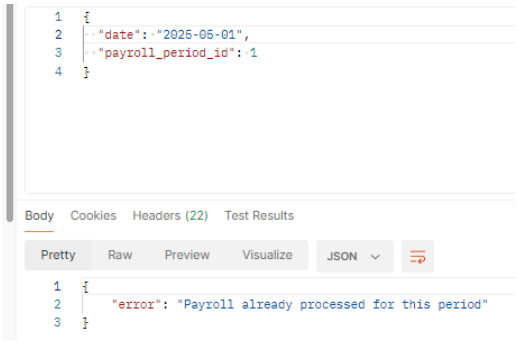
C. Use admin token in Authorization. Then bearer token. Input it. Next is post period like this with output respond if 201 status.



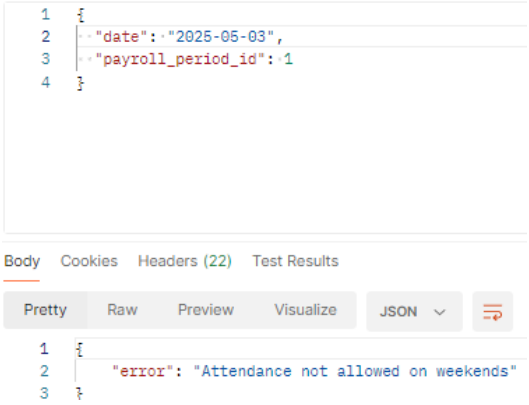
D. Use user token. Next is post attendance like this.



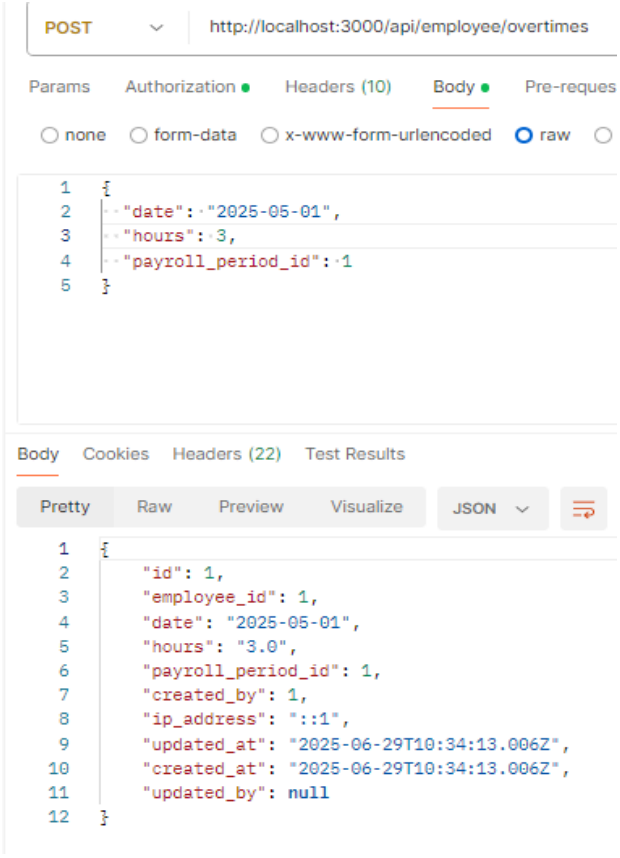
Validation when have check in on this date:



Validation when input on weekend (Saturday or Sunday):

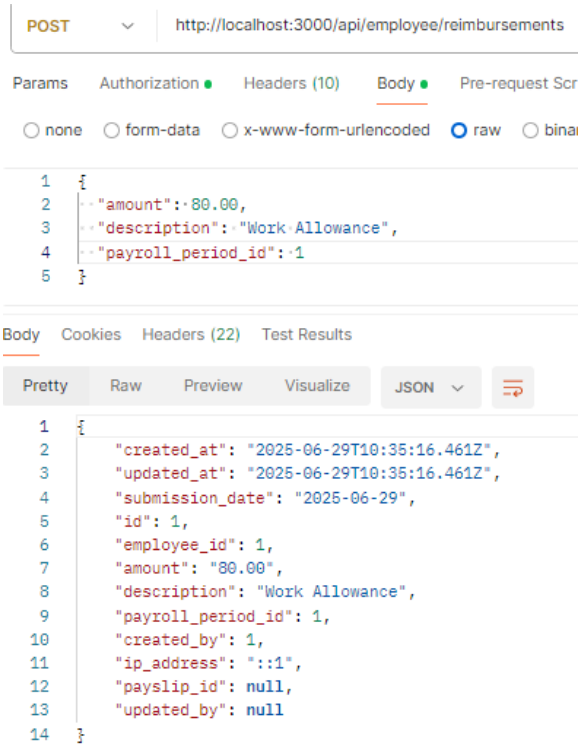


E. Use user token. Next is post overtimes like this. And it works like this pic:

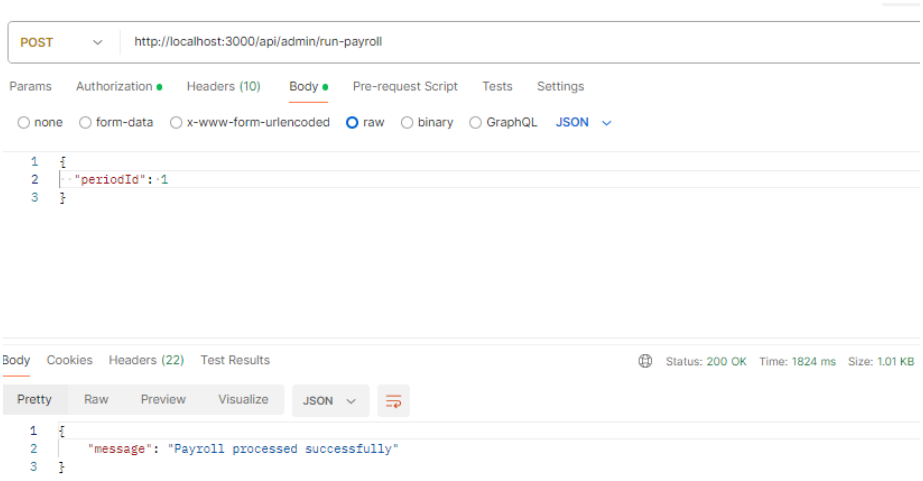


Validation when hourse More than 3 hours:

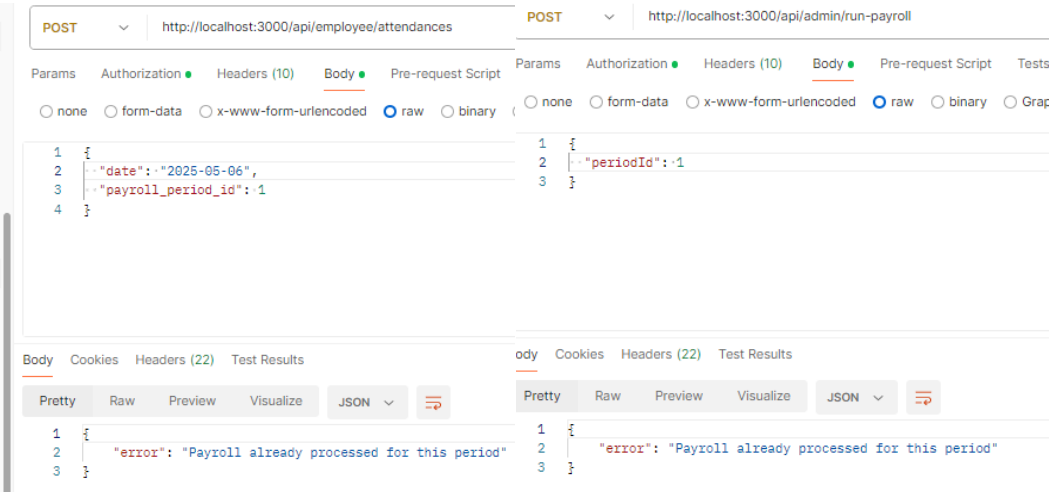
F. Use user token. Then input your reimbursement like this:

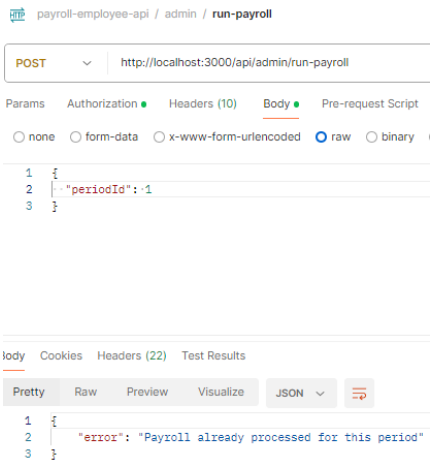


G. Then use admin token. Run payroll with this request body. Choose specific period:

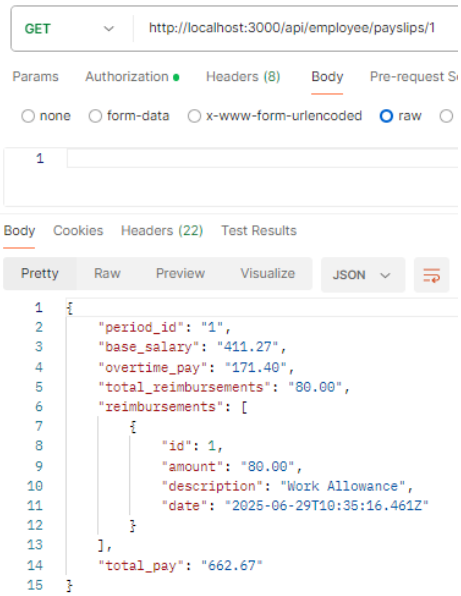


If payroll processed succesfull, then process from this periodeId and relations can’t executed, like this example:

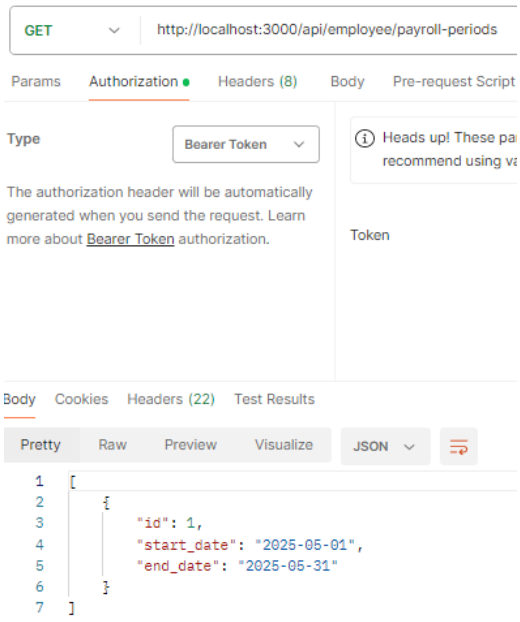




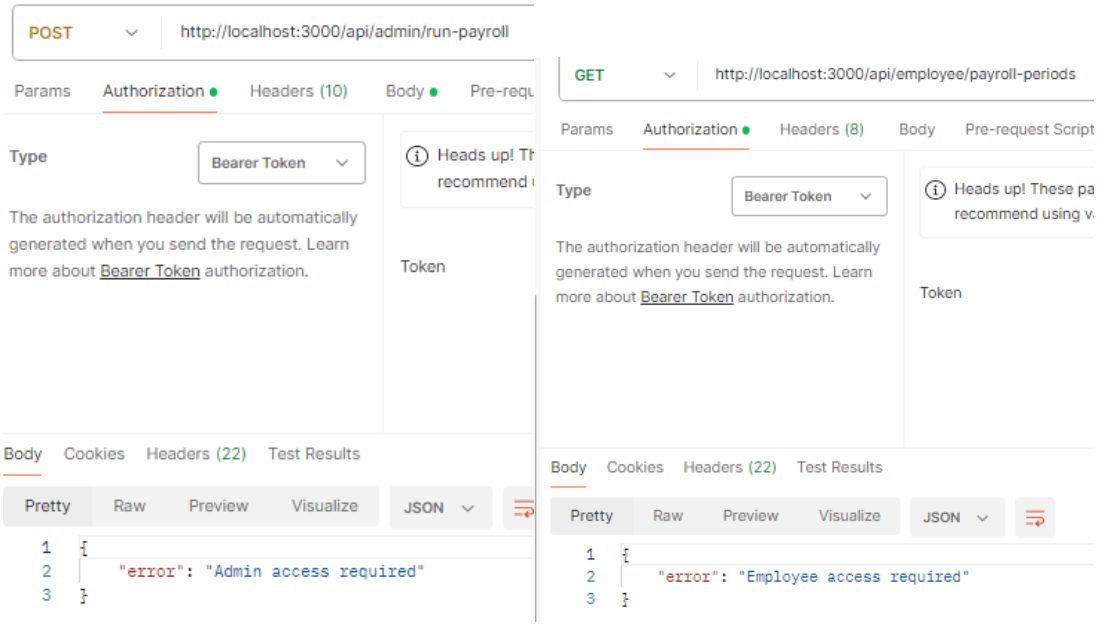
H. Use employee token. Then fetch a payslip based on chosen period :



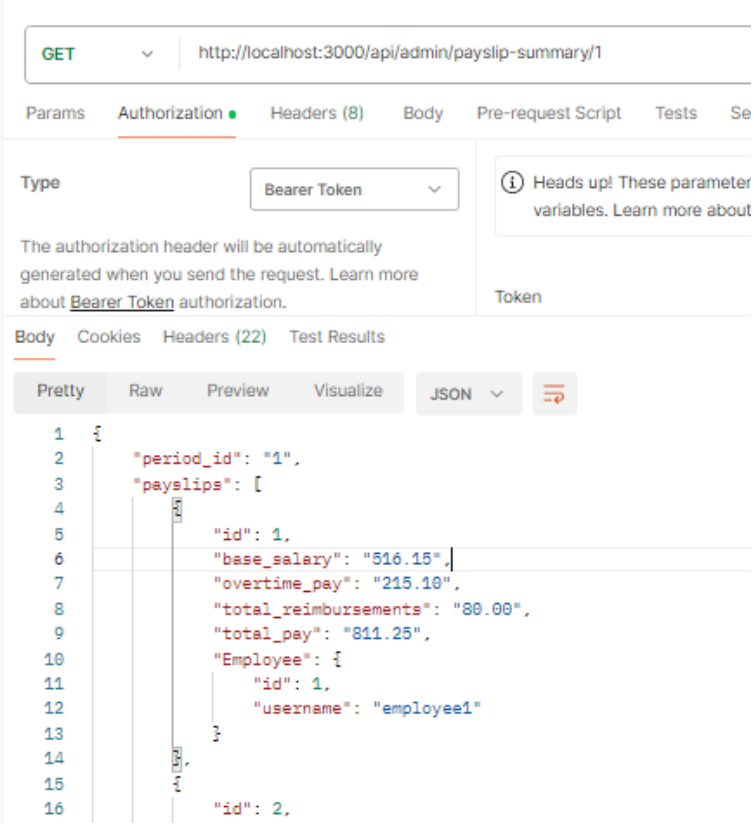
I. Use employee token. Then fetch payroll periods list:



J. Have to login based on auth role. Have validation like these examples:



K. Last is Payslip Summary. Use admin token to fetch it:



L. Testing:

i. Unit Testing

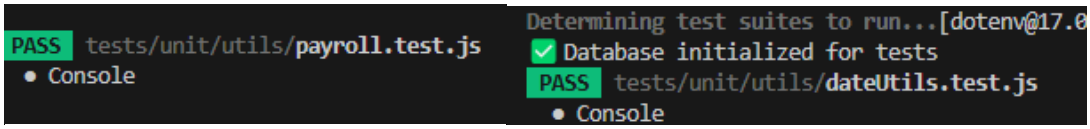
-Run npm/bun run test:unit. And I have test that and passes all:

```
Test Suites: 3 passed, 3 total
Tests:       11 passed, 11 total
Snapshots:   0 total
Time:        2.461 s
Ran all test suites matching tests/unit.
✅ Database connection closed
```

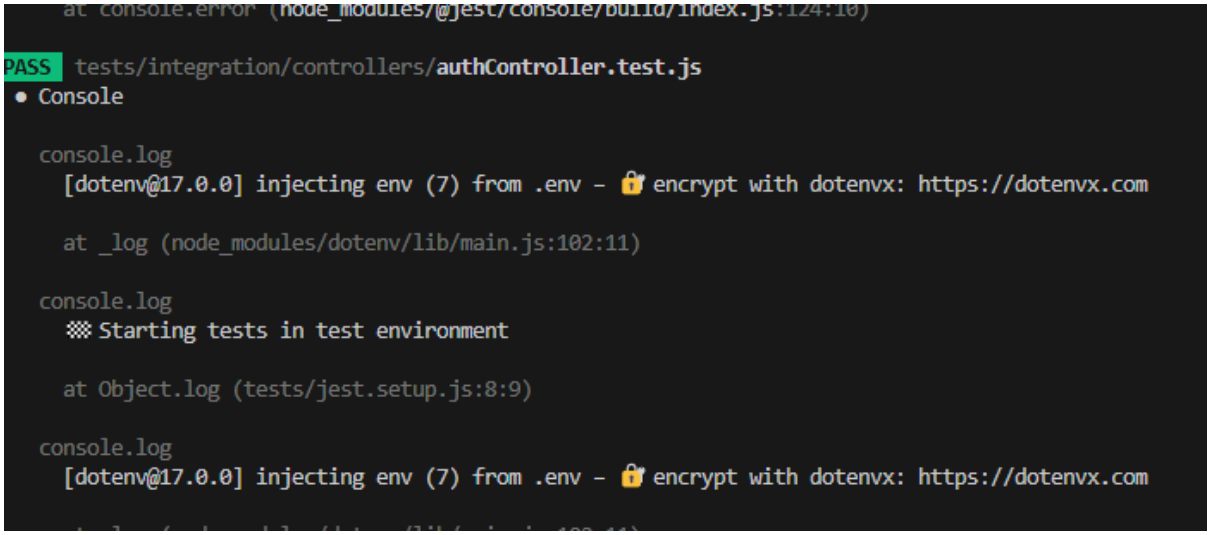
- Payroll service Test:

```
PASS tests/unit/services/payrollService.test.js
  ● Console

    console.log
      [dotenv@17.0.0] injecting env (7) from .env – 🔐 encrypt with dotenvx: https://dotenvx.com

      at _log (node_modules/dotenv/lib/main.js:102:11)
```

- Date Utils



ii. Integration Testing. Run npm/bun run test:integration.



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