Experiment no. 09

CI/CD Deployment with GitHub Actions + Render/Vercel

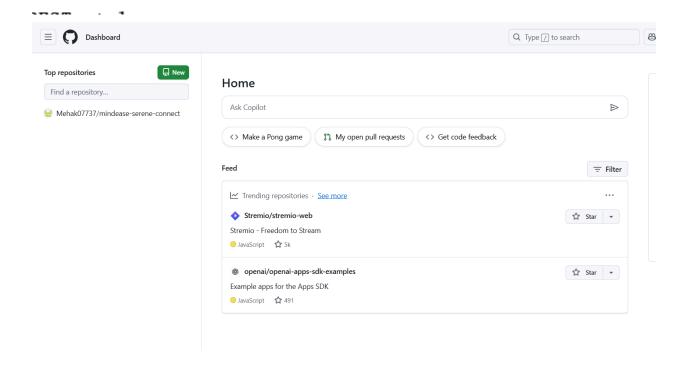
.github/workflows/ci.yml:

```
name: CI
on: [push, pull_request]
jobs:
    test:
    runs-on: ubuntu-latest
    steps:
    - uses: actions/checkout@v4
    - uses: actions/setup-node@v4
    with:
        node-version: 18
        - run: npm ci
        - run: npm test
```

```
// server.js
require('dotenv').config();
const express = require('express');
const helmet = require('helmet');
const rateLimit = require('express-rate-limit');
const cors = require('cors');
const morgan = require('morgan');
const jwt = require('jsonwebtoken');
const bcrypt = require('bcryptjs');
const { v4: uuidv4 } = require('uuid');
const Joi = require('joi');
const app = express();
app.use(helmet());
app.use(cors({ origin: process.env.ALLOWED_ORIGIN || '*' }));
app.use(express.json());
app.use(morgan('dev')); // dev logging
```

```
makefile

HTTP/1.1 200 OK
Content-Type: application/json; charset=utf-8
Content-Length: 292
...
{
    "userId": 1,
    "id": 1,
    "title": "sunt aut facere repellat...",
    "body": "quia et suscipit..."
}
```



```
github / workflows / deploy.yml
name: CI/CD
on: push
  branches:
    main
deploy:
  runs-on: ubuntu-latest
  steps:
  - name: Checkout code
    uses: actions/checkout@v3
  - name: Install dependencies
    run: npm install
  - name: Build
    run: npm run build
  - name: Deploy to Render
    uses: render-examples/rende
```