const express = require('express');

const app = express();

const bodyParser = require('body-parser');

const mysql = require('mysql');

const cors = require('cors');

app.use(bodyParser.json());

app.use(cors());

const db = mysql.createConnection({

    host: 'localhost',

    user: 'root',

    password: '',

    database: 'consultation'

});

db.connect((err) => {

    if (err) {

        throw err;

    }

    console.log('MySQL Connected...');

});

// Middleware to log received JSON

app.use((req, res, next) => {

    console.log("Received JSON: ", req.body);

    next();

});

// Login Doctor

app.post('/loginDoctor', (req, res) => {

    const { username, password } = req.body;

    console.log("Login Doctor - Received JSON: ", req.body);

    const sql = 'SELECT \* FROM doctors WHERE username = ? AND password = ?';

    db.query(sql, [username, password], (err, result) => {

        if (err) {

            res.status(500).json({ error: err.message });

            return;

        }

        if (result.length > 0) {

            res.status(200).json(result[0]);

        } else {

            res.status(401).json({ error: 'Invalid credentials' });

        }

    });

});

// Get Doctor Profile

app.get('/getDoctorProfile/:id', (req, res) => {

    const doctorId = req.params.id;

    const sql = 'SELECT \* FROM doctors WHERE id = ?';

    db.query(sql, [doctorId], (err, result) => {

        if (err) {

            res.status(500).json({ error: err.message });

            return;

        }

        res.status(200).json(result[0]);

    });

});

// Send Message

app.post('/sendMessage', (req, res) => {

    const { user\_id, doctor\_id, message, sender } = req.body;

    const sql = 'INSERT INTO chats (user\_id, doctor\_id, message, sender) VALUES (?, ?, ?, ?)';

    db.query(sql, [user\_id, doctor\_id, message, sender], (err, result) => {

        if (err) {

            res.status(500).json({ error: err.message });

            return;

        }

        res.status(200).json({ success: true, id: result.insertId });

    });

});

// Send Medicine

app.post('/sendMedicine', (req, res) => {

    const { Id, medicine, qty } = req.body;

    const sql = 'UPDATE users SET medicine = ?, qty = ? WHERE id = ?';

    db.query(sql, [medicine, qty, Id], (err, result) => {

        if (err) {

            res.status(500).json({ error: err.message });

            return;

        }

        if (result.affectedRows > 0) {

            res.status(200).json({ success: true });

        } else {

            res.status(404).json({ error: 'User not found' });

        }

    });

});

// Get Messages

app.get('/getMessages/:doctor\_id', (req, res) => {

    const doctorId = req.params.doctor\_id;

    const sql = 'SELECT \* FROM chats WHERE doctor\_id = ? ORDER BY id ASC';

    db.query(sql, [doctorId], (err, result) => {

        if (err) {

            res.status(500).json({ error: err.message });

            return;

        }

        res.status(200).json(result);

    });

});

// Other endpoints...

const PORT = process.env.PORT || 3000;

app.listen(PORT, () => {

    console.log(`Server running on port ${PORT}`);

});