



UNIVERSIDAD AUTONOMA DE CHIAPAS



LICENCIATURA EN INGENIERIA DE DESARROLLO Y TECNOLOGIAS DE SOFTWARE

TALLER DE DESARROLLO 3

CONFIGURA MVC EN NODE JS USUARIO CON BD MYSQL

DR. LUIS GUTIERREZ ALFARO

JHOVANNY YUCA HERNÁNDEZ

TUXTLA GUTIERREZ, CHIAPAS

11 DE SEPTIEMBRE DE 2025

Codigo en el proyecto

app.js

```
JS app.js > ...
1  const express = require('express');
2  const session = require('express-session');
3  const bodyParser = require('body-parser');
4  const path = require('path');
5
6  const routes = require('./src/routes/index.routes');
7
8  const app = express();
9
10 app.use(bodyParser.urlencoded({ extended: true }));
11 app.use(bodyParser.json());
12 app.use(session({
13   secret: 'clave-super-secreta',
14   resave: false,
15   saveUninitialized: true
16 }));
17 app.use('/public', express.static(path.join(__dirname, 'public')));
18
19 app.use('/', routes);
20
21 const PORT = process.env.PORT || 3000;
22 app.listen(PORT, () => console.log(`Servidor en http://localhost:${PORT}`));
23
```

Models/userModel.js

```
src > models > JS userModel.js > [?] db
1  const mysql = require('mysql');
2
3  const db = mysql.createConnection({
4    host: 'localhost',
5    user: 'root',
6    password: 'root',
7    database: 'db_clinica'
8  });
9
10 db.connect(err => {
11   if (err) console.error('Error conectando a MySQL:', err.message);
12   else console.log('MySQL conectado');
13 });
14
15 function findByUsernameAndPassword(username, password, cb) {
16   const sql = 'SELECT * FROM users WHERE username = ? AND password = ? LIMIT 1';
17   db.query(sql, [username, password], (err, rows) => {
18     if (err) return cb(err);
19     cb(null, rows[0] || null);
20   });
21 }
22
23 module.exports = { findByUsernameAndPassword };
24
```

Controllers/authController.js

```

src > controllers > JS authController.js > ...
1  const path = require('path');
2  const userModel = require('../models/userModel');
3
4  const showLogin = (req, res) => {
5    res.sendFile(path.join(__dirname, '..', 'views', 'login.html'));
6  };
7
8  const login = (req, res) => {
9    const { username, password } = req.body;
10   if (!username || !password) return res.status(400).send('Faltan datos');
11
12   userModel.findByUsernameAndPassword(username, password, (err, user) => {
13     if (err) return res.status(500).send('Error en el servidor');
14     if (!user) return res.status(401).send('Credenciales inválidas');
15
16     req.session.user = { id: user.id, username: user.username };
17     res.redirect('/dashboard');
18   });
19 };
20
21 const dashboard = (req, res) => {
22   if (!req.session.user) return res.redirect('/');
23   res.sendFile(path.join(__dirname, '..', 'views', 'dashboard.html'));
24 };
25
26 const logout = (req, res) => {
27   req.session.destroy(() => res.redirect('/'));
28 };
29
30 module.exports = { showLogin, login, dashboard, logout };

```

Routes/index.routes.js

```

src > routes > JS index.routes.js > ...
1  const express = require('express');
2  const router = express.Router();
3  const auth = require('../controllers/authController');
4
5  router.get('/', auth.showLogin);
6  router.post('/login', auth.login);
7  router.get('/dashboard', auth.dashboard);
8  router.get('/logout', auth.logout);
9
10 module.exports = router;

```

Views/login.html

```
src > views > </> login.html > ...
1  <!doctype html>
2  <html lang="es">
3  <head>
4  |   <meta charset="utf-8">
5  |   <title>Login</title>
6  |   <link rel="stylesheet" href="/public/css/style.css">
7  </head>
8  <body>
9  |   <h1>Iniciar sesión</h1>
10 |   <form action="/login" method="post">
11 |     <input type="text" name="username" placeholder="Usuario" required>
12 |     <input type="password" name="password" placeholder="Contraseña" required>
13 |     <button type="submit">Entrar</button>
14 |   </form>
15 </body>
16 </html>
```

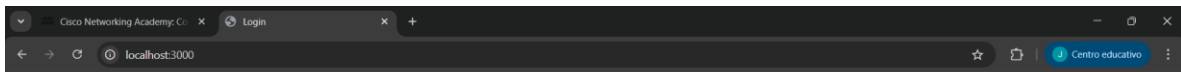
Views/dashboard.html

```
src > views > </> dashboard.html > ...
1  <!doctype html>
2  <html lang="es">
3  <head>
4  |   <meta charset="utf-8">
5  |   <title>Dashboard</title>
6  |   <link rel="stylesheet" href="/public/css/style.css">
7  </head>
8  <body>
9  |   <h1>Bienvenido al dashboard</h1>
10 |   <a href="/logout">Cerrar sesión</a>
11 </body>
12 </html>
```

Public/css/style.css

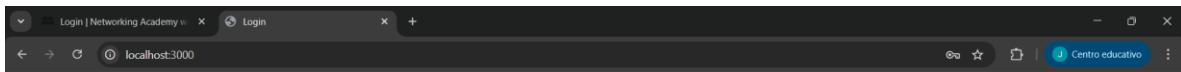
```
public > css > {} style.css > ...
1  body { font-family: system-ui, sans-serif; max-width: 640px; margin: 40px auto; }
2  input, button { display: block; margin: 8px 0; padding: 8px; width: 100%; }
```

Capturas de pantalla del proyecto



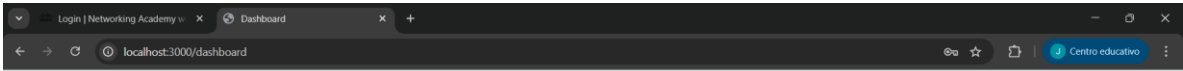
Iniciar sesión

| |
|------------|
| Usuario |
| Contraseña |
| Entrar |



Iniciar sesión

| |
|--------|
| admin |
| **** |
| Entrar |



Bienvenido al dashboard

[Cerrar sesión](#)



Terminal de ubuntu durante la creación del proyecto

Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.6.87.2-microsoft-standard-WSL2 x86_64)

- * Documentation: <https://help.ubuntu.com>
- * Management: <https://landscape.canonical.com>
- * Support: <https://ubuntu.com/pro>

System information as of Thu Sep 11 11:17:40 CST 2025

System load: 0.08 Processes: 79
Usage of /: 0.3% of 1006.85GB Users logged in: 0
Memory usage: 6% IPv4 address for eth0: 172.24.42.169
Swap usage: 0%

* Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s just raised the bar for easy, resilient and secure K8s cluster deployment.

<https://ubuntu.com/engage/secure-kubernetes-at-the-edge>

This message is shown once a day. To disable it please create the
/home/alfom/.hushlogin file.

```
alfom@JhovaYuLap:~$ cd ..
```

```
alfom@JhovaYuLap:/home$ ls
```

```
alfom taller3agos_dic_2025
```

```
alfom@JhovaYuLap:/home$ cd taller3agos_dic_2025
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ ls
```

```
backs front
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ cd backs
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ ls
index.js login node_modules package-lock.json package.json
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ mkdir pweb && cd pweb
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs/pweb$ npm init -y
Wrote to /home/taller3agos_dic_2025/backs/pweb/package.json:
```

```
{
  "name": "pweb",
  "version": "1.0.0",
  "description": "",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC"
}
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs/pweb$ npm install express mysql body-
parser express-session
```

added 87 packages, and audited 88 packages in 4s

16 packages are looking for funding

run `npm fund` for details

found 0 vulnerabilities


```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs/pweb$ mkdir src src/controllers  
src/models src/routes src/views public public/css
```

```
type nul > app.js
```

```
type nul > src/routes/index.routes.js
```

```
type nul > src/controllers/authController.js
```

```
type nul > src/models/userModel.js
```

```
type nul > src/views/login.html
```

```
type nul > src/views/dashboard.html
```

```
type nul > public/css/style.css
```

```
-bash: type: nul: not found
```

```
-bash: type: nul: not found
```

```
-bash: type: nul: not found
```

```
-bash: type: nul: not found
```

```
-bash: type: nul: not found
```

```
-bash: type: nul: not found
```

```
-bash: type: nul: not found
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs/pweb$ ls
```

```
app.js node_modules package-lock.json package.json public src
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs/pweb$ cd ..
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ ls
```

```
index.js login node_modules package-lock.json package.json pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ rmdir pweb
```

```
rmdir: failed to remove 'pweb': Directory not empty
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ cd pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs/pweb$ cd ..
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ ls
```

```
index.js login node_modules package-lock.json package.json pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ rmdir pweb
```

```
rmdir: failed to remove 'pweb': Directory not empty
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ rm -r pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ ls
```

```
index.js login node_modules package-lock.json package.json
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ ccd ..
```

Command 'ccd' not found, did you mean:

command 'cc' from deb gcc (4:13.2.0-2ubuntu1)

command 'cc' from deb clang (1:17.0-58~exp1)

command 'cc' from deb pcc (1.2.0~DEVEL+20220331-1)

command 'cc' from deb pentium-builder (0.21+nmu2ubuntu1)

command 'cc' from deb tcc (0.9.27+git20200814.62c30a4a-1)

command 'ccl' from deb cclive (0.9.3-0.3build1)

command 'cdcd' from deb cdcd (0.6.6-13.1build2)

command 'bcd' from deb bsdgames (2.17-30)

command 'mcd' from deb mtools (4.0.43-1)

command 'hcd' from deb hfsutils (3.2.6-15build2)

command 'cct' from deb proj-bin (9.3.1-1)

command 'ccx' from deb calculix-ccx (2.20-1)

command 'ccr' from deb codecrypt (1.8-1build2)

Try: sudo apt install <deb name>

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/backs$ cd ..
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ curl -o-  
https://raw.githubusercontent.com/nvm-sh/nvm/v0.39.7/install.sh | bash
```

| % Total | % Received | % Xferd | Average Speed | Time | Time | Time | Current |
|----------|------------|----------|---------------|----------|----------|----------|---------|
| | | | Dload | Upload | Total | Spent | Left |
| 100 | 16555 | 100 | 16555 | 0 | 0 | 43009 | 0 |
| --:--:-- | --:--:-- | --:--:-- | --:--:-- | --:--:-- | --:--:-- | --:--:-- | 43111 |

=> Downloading nvm from git to '/home/alfom/.nvm'

=> Cloning into '/home/alfom/.nvm'...

remote: Enumerating objects: 383, done.

remote: Counting objects: 100% (383/383), done.

remote: Compressing objects: 100% (326/326), done.

remote: Total 383 (delta 43), reused 179 (delta 29), pack-reused 0 (from 0)

Receiving objects: 100% (383/383), 391.78 KiB | 1.36 MiB/s, done.

Resolving deltas: 100% (43/43), done.

* (HEAD detached at FETCH_HEAD)

master

=> Compressing and cleaning up git repository

=> Appending nvm source string to /home/alfom/.bashrc

=> Appending bash_completion source string to /home/alfom/.bashrc

=> Close and reopen your terminal to start using nvm or run the following to use it now:

```
export NVM_DIR="$HOME/.nvm"
```

```
[ -s "$NVM_DIR/nvm.sh" ] && \. "$NVM_DIR/nvm.sh" # This loads nvm
```

```
[ -s "$NVM_DIR/bash_completion" ] && \. "$NVM_DIR/bash_completion" # This loads nvm  
bash_completion
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ export NVM_DIR="$HOME/.nvm" && .  
"$NVM_DIR/nvm.sh"
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ nvm install 20
```

Downloading and installing node v20.19.5...

Downloading <https://nodejs.org/dist/v20.19.5/node-v20.19.5-linux-x64.tar.xz>...

```
#####  
##### 100.0%
```

Computing checksum with sha256sum

Checksums matched!

Now using node v20.19.5 (npm v10.8.2)

Creating default alias: default -> 20 (-> v20.19.5)

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ node -v
```

v20.19.5

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ sudo apt install -y mysql-server
```

[sudo] password for alfon:

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following additional packages will be installed:

libaio1t64 libcgi-fast-perl libcgi-pm-perl libevent-pthreads-2.1-7t64 libfcgi-bin libfcgi-perl
libfcgi0t64

libhtml-template-perl libmecab2 libnuma1 libprotobuf-lite32t64 mecab-ipadic mecab-ipadic-utf8
mecab-utils

mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server-8.0 mysql-server-core-8.0

Suggested packages:

libipc-sharedcache-perl mailx tinycd

The following NEW packages will be installed:

libaio1t64 libcgi-fast-perl libcgi-pm-perl libevent-pthreads-2.1-7t64 libfcgi-bin libfcgi-perl
libfcgi0t64

libhtml-template-perl libmecab2 libnuma1 libprotobuf-lite32t64 mecab-ipadic mecab-ipadic-utf8
mecab-utils

mysql-client-8.0 mysql-client-core-8.0 mysql-common mysql-server mysql-server-8.0 mysql-
server-core-8.0

0 upgraded, 20 newly installed, 0 to remove and 10 not upgraded.

Need to get 29.3 MB of archives.

After this operation, 242 MB of additional disk space will be used.

Get:1 [http://archive.ubuntu.com/ubuntu/noble/main/amd64/mysql-common all 5.8+1.1.0build1](http://archive.ubuntu.com/ubuntu/noble/main/amd64/mysql-common/all/5.8+1.1.0build1)
[6746 B]

Get:2 [http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/mysql-client-core-8.0](http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/mysql-client-core-8.0/amd64/8.0.43-0ubuntu0.24.04.1)
amd64 8.0.43-0ubuntu0.24.04.1 [2740 kB]

Get:3 [http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/mysql-client-8.0 amd64](http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/mysql-client-8.0/amd64/8.0.43-0ubuntu0.24.04.1)
8.0.43-0ubuntu0.24.04.1 [22.4 kB]

Get:4 [http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/libaio1t64 amd64 0.3.113-](http://archive.ubuntu.com/ubuntu/noble-updates/main/amd64/libaio1t64/amd64/0.3.113-6build1.1)
6build1.1 [7210 B]

Get:5 [http://archive.ubuntu.com/ubuntu/noble/main/amd64/libevent-pthreads-2.1-7t64 amd64](http://archive.ubuntu.com/ubuntu/noble/main/amd64/libevent-pthreads-2.1-7t64/amd64/2.1.12-stable-9ubuntu2)
2.1.12-stable-9ubuntu2 [7982 B]

Get:6 <http://archive.ubuntu.com/ubuntu noble/main amd64 libmecab2 amd64 0.996-14ubuntu4>
[201 kB]

Get:7 <http://archive.ubuntu.com/ubuntu noble/main amd64 libnuma1 amd64 2.0.18-1build1>
[23.3 kB]

Get:8 <http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libprotobuf-lite32t64 amd64 3.21.12-8.2ubuntu0.2> [238 kB]

Get:9 <http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-server-core-8.0 amd64 8.0.43-0ubuntu0.24.04.1> [17.5 MB]

Get:10 <http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-server-8.0 amd64 8.0.43-0ubuntu0.24.04.1> [1439 kB]

Get:11 <http://archive.ubuntu.com/ubuntu noble/main amd64 libcgi-pm-perl all 4.63-1> [185 kB]

Get:12 <http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libfcgi0t64 amd64 2.4.2-2.1ubuntu0.24.04.1> [27.0 kB]

Get:13 <http://archive.ubuntu.com/ubuntu noble/main amd64 libfcgi-perl amd64 0.82+ds-3build2>
[21.7 kB]

Get:14 <http://archive.ubuntu.com/ubuntu noble/main amd64 libcgi-fast-perl all 1:2.17-1> [10.3 kB]

Get:15 <http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libfcgi-bin amd64 2.4.2-2.1ubuntu0.24.04.1> [11.2 kB]

Get:16 <http://archive.ubuntu.com/ubuntu noble/main amd64 libhtml-template-perl all 2.97-2>
[60.2 kB]

Get:17 <http://archive.ubuntu.com/ubuntu noble/main amd64 mecab-utils amd64 0.996-14ubuntu4> [4804 B]

Get:18 <http://archive.ubuntu.com/ubuntu noble/main amd64 mecab-ipadic all 2.7.0-20070801+main-3> [6718 kB]

Get:19 <http://archive.ubuntu.com/ubuntu noble/main amd64 mecab-ipadic-utf8 all 2.7.0-20070801+main-3> [4384 B]

Get:20 <http://archive.ubuntu.com/ubuntu noble-updates/main amd64 mysql-server all 8.0.43-0ubuntu0.24.04.1> [9520 B]

Fetches 29.3 MB in 6s (4533 kB/s)

Preconfiguring packages ...

Selecting previously unselected package mysql-common.

(Reading database ... 78562 files and directories currently installed.)

Preparing to unpack .../0-mysql-common_5.8+1.1.0build1_all.deb ...

Unpacking mysql-common (5.8+1.1.0build1) ...

Selecting previously unselected package mysql-client-core-8.0.

Preparing to unpack .../1-mysql-client-core-8.0_8.0.43-0ubuntu0.24.04.1_amd64.deb ...

Unpacking mysql-client-core-8.0 (8.0.43-0ubuntu0.24.04.1) ...

Selecting previously unselected package mysql-client-8.0.

Preparing to unpack .../2-mysql-client-8.0_8.0.43-0ubuntu0.24.04.1_amd64.deb ...

Unpacking mysql-client-8.0 (8.0.43-0ubuntu0.24.04.1) ...

Selecting previously unselected package libaio1t64:amd64.

Preparing to unpack .../3-libaio1t64_0.3.113-6build1.1_amd64.deb ...

Unpacking libaio1t64:amd64 (0.3.113-6build1.1) ...

Selecting previously unselected package libevent-pthreads-2.1-7t64:amd64.

Preparing to unpack .../4-libevent-pthreads-2.1-7t64_2.1.12-stable-9ubuntu2_amd64.deb ...

Unpacking libevent-pthreads-2.1-7t64:amd64 (2.1.12-stable-9ubuntu2) ...

Selecting previously unselected package libmecab2:amd64.

Preparing to unpack .../5-libmecab2_0.996-14ubuntu4_amd64.deb ...

Unpacking libmecab2:amd64 (0.996-14ubuntu4) ...

Selecting previously unselected package libnuma1:amd64.

Preparing to unpack .../6-libnuma1_2.0.18-1build1_amd64.deb ...

Unpacking libnuma1:amd64 (2.0.18-1build1) ...

Selecting previously unselected package libprotobuf-lite32t64:amd64.

Preparing to unpack .../7-libprotobuf-lite32t64_3.21.12-8.2ubuntu0.2_amd64.deb ...

Unpacking libprotobuf-lite32t64:amd64 (3.21.12-8.2ubuntu0.2) ...

Selecting previously unselected package mysql-server-core-8.0.

Preparing to unpack .../8-mysql-server-core-8.0_8.0.43-0ubuntu0.24.04.1_amd64.deb ...

Unpacking mysql-server-core-8.0 (8.0.43-0ubuntu0.24.04.1) ...

Setting up mysql-common (5.8+1.1.0build1) ...

update-alternatives: using /etc/mysql/my.cnf.fallback to provide /etc/mysql/my.cnf (my.cnf) in auto mode

Selecting previously unselected package mysql-server-8.0.

(Reading database ... 78791 files and directories currently installed.)

Preparing to unpack .../00-mysql-server-8.0_8.0.43-0ubuntu0.24.04.1_amd64.deb ...

Unpacking mysql-server-8.0 (8.0.43-0ubuntu0.24.04.1) ...

Selecting previously unselected package libcgi-pm-perl.

Preparing to unpack .../01-libcgi-pm-perl_4.63-1_all.deb ...

Unpacking libcgi-pm-perl (4.63-1) ...

Selecting previously unselected package libfcgi0t64:amd64.

Preparing to unpack .../02-libfcgi0t64_2.4.2-2.1ubuntu0.24.04.1_amd64.deb ...

Unpacking libfcgi0t64:amd64 (2.4.2-2.1ubuntu0.24.04.1) ...

Selecting previously unselected package libfcgi-perl.

Preparing to unpack .../03-libfcgi-perl_0.82+ds-3build2_amd64.deb ...

Unpacking libfcgi-perl (0.82+ds-3build2) ...

Selecting previously unselected package libcgi-fast-perl.

Preparing to unpack .../04-libcgi-fast-perl_1%3a2.17-1_all.deb ...

Unpacking libcgi-fast-perl (1:2.17-1) ...

Selecting previously unselected package libfcgi-bin.

Preparing to unpack .../05-libfcgi-bin_2.4.2-2.1ubuntu0.24.04.1_amd64.deb ...

Unpacking libfcgi-bin (2.4.2-2.1ubuntu0.24.04.1) ...

Selecting previously unselected package libhtml-template-perl.

Preparing to unpack .../06-libhtml-template-perl_2.97-2_all.deb ...

Unpacking libhtml-template-perl (2.97-2) ...

Selecting previously unselected package mecab-utils.

Preparing to unpack .../07-mecab-utils_0.996-14ubuntu4_amd64.deb ...

Unpacking mecab-utils (0.996-14ubuntu4) ...

Selecting previously unselected package mecab-ipadic.

Preparing to unpack .../08-mecab-ipadic_2.7.0-20070801+main-3_all.deb ...

Unpacking mecab-ipadic (2.7.0-20070801+main-3) ...

Selecting previously unselected package mecab-ipadic-utf8.

Preparing to unpack .../09-mecab-ipadic-utf8_2.7.0-20070801+main-3_all.deb ...

Unpacking mecab-ipadic-utf8 (2.7.0-20070801+main-3) ...
Selecting previously unselected package mysql-server.
Preparing to unpack .../10-mysql-server_8.0.43-0ubuntu0.24.04.1_all.deb ...
Unpacking mysql-server (8.0.43-0ubuntu0.24.04.1) ...
Setting up libprotobuf-lite32t64:amd64 (3.21.12-8.2ubuntu0.2) ...
Setting up libmecab2:amd64 (0.996-14ubuntu4) ...
Setting up mysql-client-core-8.0 (8.0.43-0ubuntu0.24.04.1) ...
Setting up libevent-pthreads-2.1-7t64:amd64 (2.1.12-stable-9ubuntu2) ...
Setting up libfcgi0t64:amd64 (2.4.2-2.1ubuntu0.24.04.1) ...
Setting up libfcgi-pm-perl (4.63-1) ...
Setting up libfcgi-bin (2.4.2-2.1ubuntu0.24.04.1) ...
Setting up libhtml-template-perl (2.97-2) ...
Setting up mecab-utils (0.996-14ubuntu4) ...
Setting up libnuma1:amd64 (2.0.18-1build1) ...
Setting up libaio1t64:amd64 (0.3.113-6build1.1) ...
Setting up mysql-client-8.0 (8.0.43-0ubuntu0.24.04.1) ...
Setting up libfcgi-perl (0.82+ds-3build2) ...
Setting up mecab-ipadic (2.7.0-20070801+main-3) ...
Compiling IPA dictionary for Mecab. This takes long time...
reading /usr/share/mecab/dic/ipadic/unk.def ... 40
emitting double-array: 100% |#####|
/usr/share/mecab/dic/ipadic/model.def is not found. skipped.
reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151
reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42
reading /usr/share/mecab/dic/ipadic/Noun.adverbial.csv ... 795
reading /usr/share/mecab/dic/ipadic/Noun.advj.csv ... 3328
reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19
reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328
reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146

reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135
reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750
reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146
reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477
reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171
reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668
reading /usr/share/mecab/dic/ipadic/Others.csv ... 2
reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208
reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199
reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032
reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42
reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202
reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221
reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393
reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120
reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999
reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210
reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91
reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252
emitting double-array: 100% |#####|
reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316
emitting matrix : 100% |#####|

done!

update-alternatives: using /var/lib/mecab/dic/ipadic to provide /var/lib/mecab/dic/debian
(mecab-dictionary) in auto mode

Setting up libcgf-fast-perl (1:2.17-1) ...

Setting up mysql-server-core-8.0 (8.0.43-0ubuntu0.24.04.1) ...

Setting up mecab-ipadic-utf8 (2.7.0-20070801+main-3) ...

Compiling IPA dictionary for Mecab. This takes long time...

reading /usr/share/mecab/dic/ipadic/unk.def ... 40

emitting double-array: 100% |#####|

/usr/share/mecab/dic/ipadic/model.def is not found. skipped.

reading /usr/share/mecab/dic/ipadic/Noun.others.csv ... 151

reading /usr/share/mecab/dic/ipadic/Noun.number.csv ... 42

reading /usr/share/mecab/dic/ipadic/Noun.adverbial.csv ... 795

reading /usr/share/mecab/dic/ipadic/Noun.adjv.csv ... 3328

reading /usr/share/mecab/dic/ipadic/Filler.csv ... 19

reading /usr/share/mecab/dic/ipadic/Noun.proper.csv ... 27328

reading /usr/share/mecab/dic/ipadic/Noun.verbal.csv ... 12146

reading /usr/share/mecab/dic/ipadic/Adnominal.csv ... 135

reading /usr/share/mecab/dic/ipadic/Verb.csv ... 130750

reading /usr/share/mecab/dic/ipadic/Postp.csv ... 146

reading /usr/share/mecab/dic/ipadic/Noun.csv ... 60477

reading /usr/share/mecab/dic/ipadic/Conjunction.csv ... 171

reading /usr/share/mecab/dic/ipadic/Noun.org.csv ... 16668

reading /usr/share/mecab/dic/ipadic/Others.csv ... 2

reading /usr/share/mecab/dic/ipadic/Symbol.csv ... 208

reading /usr/share/mecab/dic/ipadic/Auxil.csv ... 199

reading /usr/share/mecab/dic/ipadic/Adverb.csv ... 3032

reading /usr/share/mecab/dic/ipadic/Noun.nai.csv ... 42

reading /usr/share/mecab/dic/ipadic/Noun.name.csv ... 34202

reading /usr/share/mecab/dic/ipadic/Prefix.csv ... 221

reading /usr/share/mecab/dic/ipadic/Suffix.csv ... 1393

reading /usr/share/mecab/dic/ipadic/Noun.demonst.csv ... 120

reading /usr/share/mecab/dic/ipadic/Noun.place.csv ... 72999

reading /usr/share/mecab/dic/ipadic/Adj.csv ... 27210

reading /usr/share/mecab/dic/ipadic/Postp-col.csv ... 91

reading /usr/share/mecab/dic/ipadic/Interjection.csv ... 252

emitting double-array: 100% |#####|

reading /usr/share/mecab/dic/ipadic/matrix.def ... 1316x1316

emitting matrix : 100% |#####|

done!

update-alternatives: using /var/lib/mecab/dic/ipadic-utf8 to provide /var/lib/mecab/dic/debian (mecab-dictionary) in auto mode

Setting up mysql-server-8.0 (8.0.43-0ubuntu0.24.04.1) ...

update-alternatives: using /etc/mysql/mysql.cnf to provide /etc/mysql/my.cnf (my.cnf) in auto mode

Renaming removed key_buffer and myisam-recover options (if present)

mysqld will log errors to /var/log/mysql/error.log

mysqld is running as pid 1899

Created symlink /etc/systemd/system/multi-user.target.wants/mysql.service → /usr/lib/systemd/system/mysql.service.

Setting up mysql-server (8.0.43-0ubuntu0.24.04.1) ...

Processing triggers for man-db (2.12.0-4build2) ...

Processing triggers for libc-bin (2.39-0ubuntu8.5) ...

alfom@JhovaYuLap:/home/taller3agos_dic_2025\$ sudo service mysql start

alfom@JhovaYuLap:/home/taller3agos_dic_2025\$ sudo mysql

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 8

Server version: 8.0.43-0ubuntu0.24.04.1 (Ubuntu)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'root';
```

Query OK, 0 rows affected (0.04 sec)

```
mysql> FLUSH PRIVILEGES;
```

Query OK, 0 rows affected (0.01 sec)

```
mysql> EXIT;
```

Bye

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ mysql -u root -p
```

Enter password:

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 9

Server version: 8.0.43-0ubuntu0.24.04.1 (Ubuntu)

Copyright (c) 2000, 2025, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its

affiliates. Other names may be trademarks of their respective

owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> CREATE DATABASE db_clinica;
```

Query OK, 1 row affected (0.02 sec)

```
mysql> USE db_clinica;
```

Database changed

```
mysql> CREATE TABLE users (
```

```
-> id INT AUTO_INCREMENT PRIMARY KEY,
```

```
-> username VARCHAR(50),
```

```
-> password VARCHAR(50)
```

```
-> );
```

```
ERT INTO users (username, password) VALUES ('admin', '1234');Query OK, 0 rows affected (0.07 sec)
```

```
mysql>
```

```
mysql> INSERT INTO users (username, password) VALUES ('admin', '1234');
```

```
Query OK, 1 row affected (0.03 sec)
```

```
mysql> exit;
```

Bye

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ mkdir ~/pweb && cd ~/pweb
```

```
alfom@JhovaYuLap:~/pweb$ cd..
```

```
cd..: command not found
```

```
alfom@JhovaYuLap:~/pweb$ cd ..
```

```
alfom@JhovaYuLap:~$ cd ..
```

```
alfom@JhovaYuLap:/home$ cd taller3agos_dic_2025
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ mkdir pweb && cd pweb
```

```
mkdir: cannot create directory 'pweb': Permission denied
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ mkdir /pweb && cd /pweb
```

```
mkdir: cannot create directory '/pweb': Permission denied
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ mkdir pweb
```

```
mkdir: cannot create directory 'pweb': Permission denied
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ cd pweb
```

```
-bash: cd: pweb: No such file or directory
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ cd pweb
```

```
-bash: cd: pweb: No such file or directory
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ sudo mkdir pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025$ cd pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ npm init -y
```

```
npm error code EACCES
```

```
npm error syscall open
```

```
npm error path /home/taller3agos_dic_2025/pweb/package.json
```

```
npm error errno -13
```

```
npm error Error: EACCES: permission denied, open  
'/home/taller3agos_dic_2025/pweb/package.json'
```

```
npm error   at async open (node:internal/fs/promises:639:25)
```

```
npm error   at async writeFile (node:internal/fs/promises:1216:14)
```

```
npm error   at async PackageJson.save  
(/home/alfom/.nvm/versions/node/v20.19.5/lib/node_modules/npm/node_modules/@npmcli/p  
ackage-json/lib/index.js:250:14)
```

```
npm error   at async init  
(/home/alfom/.nvm/versions/node/v20.19.5/lib/node_modules/npm/node_modules/init-  
package-json/lib/init-package-json.js:125:5)
```

```
npm error   at async Init.template  
(/home/alfom/.nvm/versions/node/v20.19.5/lib/node_modules/npm/lib/commands/init.js:168:2  
0)
```

```
npm error   at async Init.exec  
(/home/alfom/.nvm/versions/node/v20.19.5/lib/node_modules/npm/lib/commands/init.js:48:5)
```

```
npm error   at async Npm.exec  
(/home/alfom/.nvm/versions/node/v20.19.5/lib/node_modules/npm/lib/npm.js:207:9)
```

```
npm error   at async module.exports  
(/home/alfom/.nvm/versions/node/v20.19.5/lib/node_modules/npm/lib/cli/entry.js:74:5) {
```

```
npm error   errno: -13,
```

```
npm error   code: 'EACCES',
```

```
npm error   syscall: 'open',
```

```
npm error path: '/home/taller3agos_dic_2025/pweb/package.json'
```

```
npm error }
```

```
npm error
```

```
npm error The operation was rejected by your operating system.
```

```
npm error It is likely you do not have the permissions to access this file as the current user
```

```
npm error
```

```
npm error If you believe this might be a permissions issue, please double-check the
```

```
npm error permissions of the file and its containing directories, or try running
```

```
npm error the command again as root/Administrator.
```

```
npm error A complete log of this run can be found in: /home/alfom/.npm/_logs/2025-09-11T17_34_27_540Z-debug-0.log
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ pwd
```

```
/home/taller3agos_dic_2025/pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ ls -ld .
```

```
drwxr-xr-x 2 root root 4096 Sep 11 11:34 .
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ whoami
```

```
alfom
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ sudo chown -R $USER:$USER  
/home/taller3agos_dic_2025/pweb
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ sudo chown -R $USER:$USER ~/.npm
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ npm init -y
```

```
Wrote to /home/taller3agos_dic_2025/pweb/package.json:
```

```
{  
  "name": "pweb",  
  "version": "1.0.0",  
  "main": "index.js",  
  "scripts": {  
    "test": "echo \"Error: no test specified\" && exit 1"  
  },  
}
```

```
"keywords": [],  
"author": "",  
"license": "ISC",  
"description": ""  
}
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ npm install express mysql body-parser  
express-session
```

added 87 packages, and audited 88 packages in 3s

16 packages are looking for funding

run `npm fund` for details

found 0 vulnerabilities

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ rm -rf node_modules package-lock.json
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ npm cache verify
```

Cache verified and compressed (~/.npm/_cacache)

Content verified: 298 (15718686 bytes)

Content garbage-collected: 89 (5695167 bytes)

Index entries: 298

Finished in 0.816s

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ rm -rf node_modules package-lock.json
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ npm cache verify
```

Cache verified and compressed (~/.npm/_cacache)

Content verified: 298 (15718686 bytes)

Index entries: 298

Finished in 0.762s

alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb\$ npm init -y

Wrote to /home/taller3agos_dic_2025/pweb/package.json:

```
{
  "name": "pweb",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "dependencies": {
    "body-parser": "^2.2.0",
    "express": "^5.1.0",
    "express-session": "^1.18.2",
    "mysql": "^2.18.1"
  },
  "description": ""
}
```

alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb\$ npm install express mysql body-parser express-session

added 87 packages, and audited 88 packages in 2s

16 packages are looking for funding

run `npm fund` for details

found 0 vulnerabilities

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ mkdir -p  
src/{controllers,models,routes,views} public/css
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ ls
```

```
node_modules package-lock.json package.json public src
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ : > app.js
```

```
: > src/routes/index.routes.js
```

```
: > src/controllers/authController.js
```

```
: > src/models/userModel.js
```

```
: > src/views/login.html
```

```
: > src/views/dashboard.html
```

```
: > public/css/style.css
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ ls
```

```
app.js node_modules package-lock.json package.json public src
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$ cd src
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src$ ls
```

```
controllers models routes views
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src$ cd routes
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src/routes$ ls
```

```
index.routes.js
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src/routes$ code .
```

```
code.exe: command not found
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src/routes$ code.
```

```
Command 'code.' not found, did you mean:
```

```
command 'coder' from snap coder (2.24.2)
```

command 'code' from snap code (f220831e)

command 'code' from snap code (1.0.0)

See 'snap info <snapname>' for additional versions.

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src/routes$ code ..
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src/routes$  
/mnt/c/Users/alfom/AppData/Local/Programs/Microsoft\ VS\ Code/bin/code .
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src/routes$ cd ..
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb/src$ cd ..
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$  
/mnt/c/Users/alfom/AppData/Local/Programs/Microsoft\ VS\ Code/bin/code .
```

```
alfom@JhovaYuLap:/home/taller3agos_dic_2025/pweb$
```