

# FACTORY MANAGEMENT

## INSTALLATION GUIDE

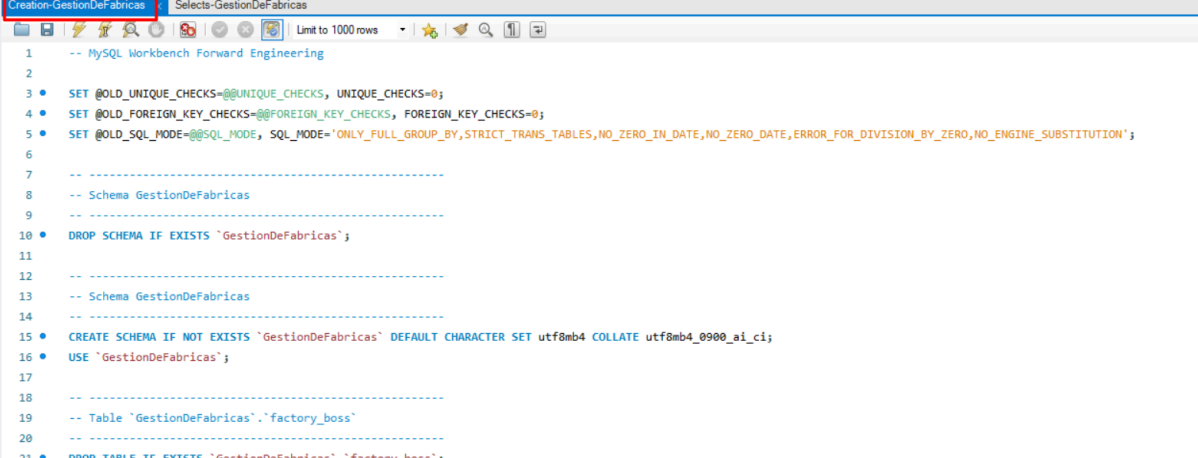
- First of all, we install "Cloudflare" on our device, which is used to deploy the application, using the following code in the Powershell:

Invoke-WebRequest -Uri

"https://github.com/cloudflare/cloudflared/releases/latest/download/cloudflared-windows-amd64.exe"

-OutFile "C:\cloudflared\cloudflared.exe"

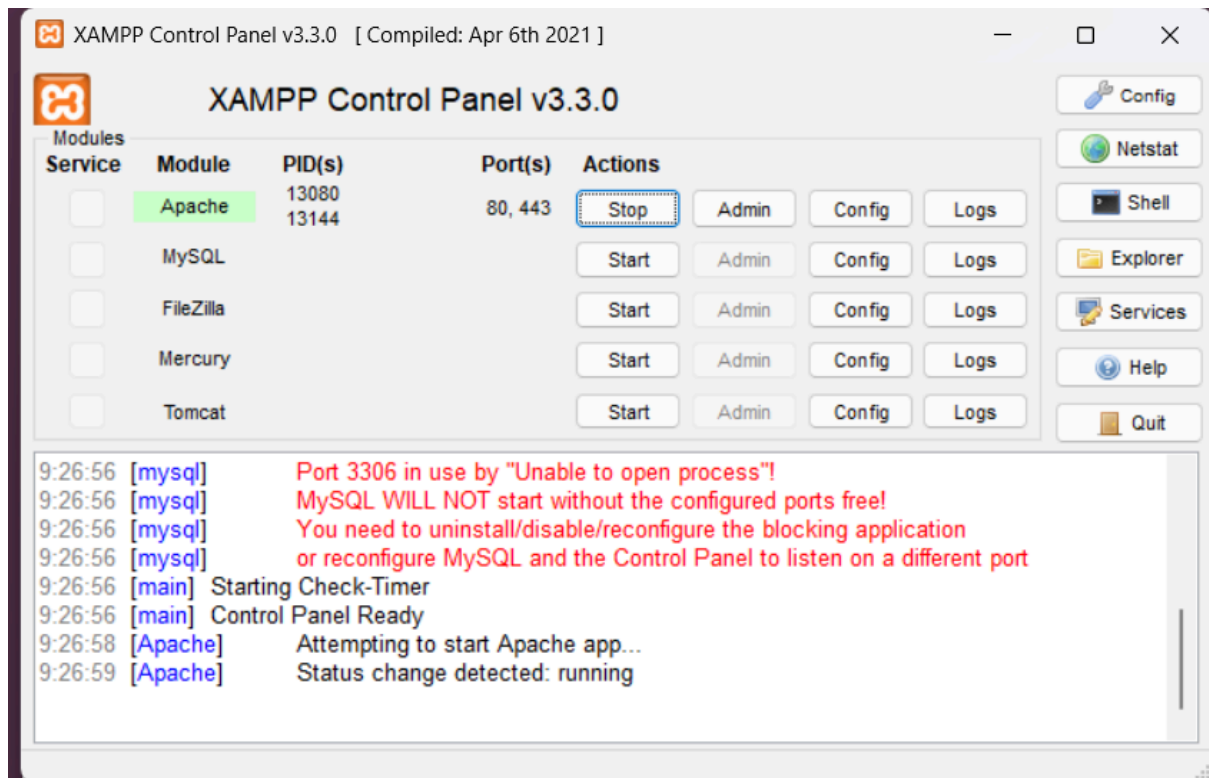
- Once this command has been executed in the powershell, Cloudflare will be installed. The next thing we must install is MySQL Workbench, once inside the Workbench we will execute the database creation script:



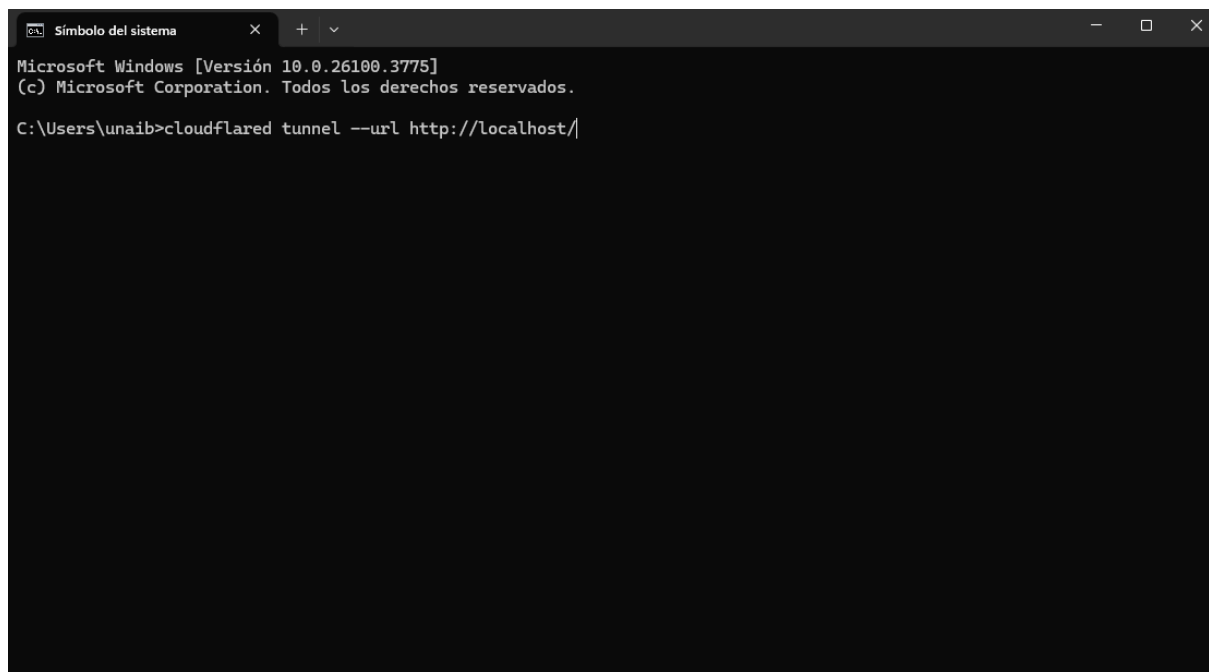
```
1  -- MySQL Workbench Forward Engineering
2
3  SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0;
4  SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0;
5  SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='ONLY_FULL_GROUP_BY,STRICT_TRANS_TABLES,NO_ZERO_IN_DATE,NO_ZERO_DATE,ERROR_FOR_DIVISION_BY_ZERO,NO_ENGINE_SUBSTITUTION';
6
7  --
8  -- Schema GestionDeFabrics
9  --
10 DROP SCHEMA IF EXISTS `GestionDeFabrics`;
11
12 --
13 -- Schema GestionDeFabrics
14 --
15 CREATE SCHEMA IF NOT EXISTS `GestionDeFabrics` DEFAULT CHARACTER SET utf8mb4 COLLATE utf8mb4_0900_ai_ci;
16 USE `GestionDeFabrics`;
17
18 --
19 -- Table `GestionDeFabrics`.`factory_boss`
20 --
21 DROP TABLE IF EXISTS `GestionDeFabrics`.`factory_boss`;
```

(Because it includes the insertion and event creation lines, it is a very big code, about 1302 lines, so I can't put a screenshot of the whole code)

- Once this is done we will have created our database. Now we must install XAMPP and, once installed, run the Apache server:



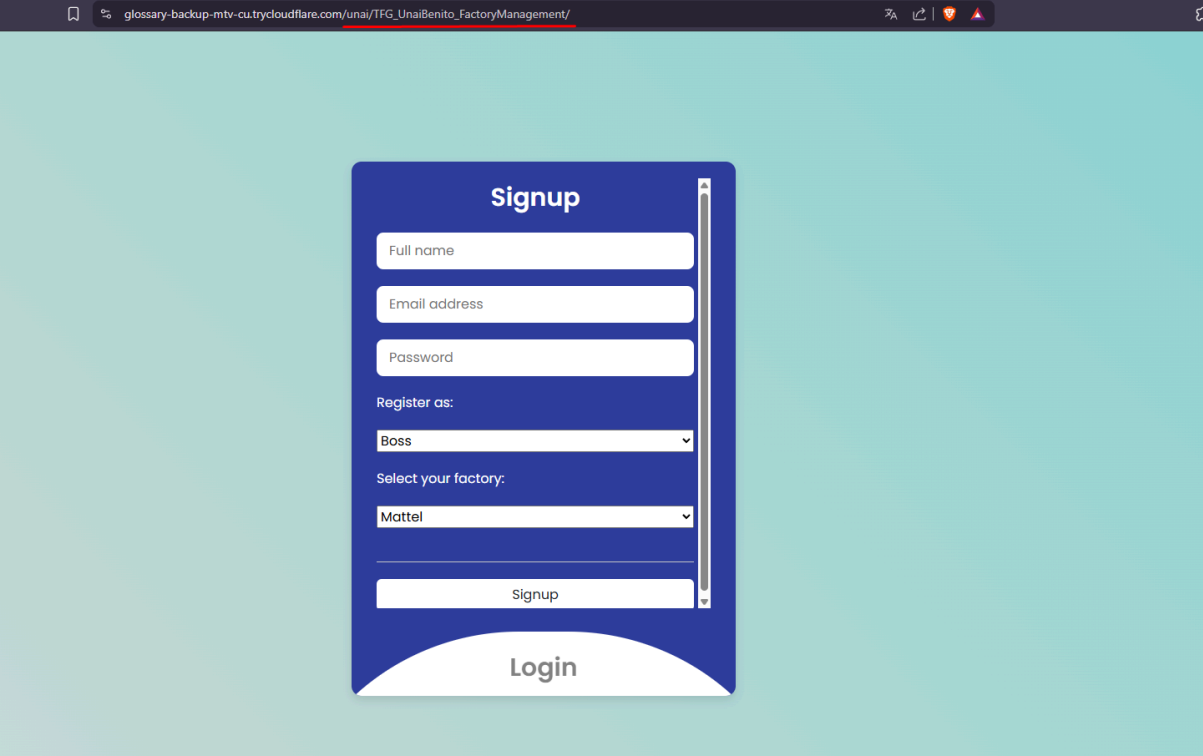
- Now that it is booted, we put the project files in C:/xampp/htdocs/unai and then proceed to open the CMD and execute the following command:



- This command, when executed, will generate a url:

```
e a pre-created named tunnel by following: https://developers.cloudflare.com/cloudflare-one/connections/conne
05-15T22:03:19Z INF Requesting new quick Tunnel on trycloudflare.com...
05-15T22:03:24Z INF +-----+
05-15T22:03:24Z INF | Your quick tunnel has been created! Visit it at (it may take some time to be reachable
05-15T22:03:24Z INF | https://glossary-backup-mtv-cu.trycloudflare.com
05-15T22:03:24Z INF +-----+
05-15T22:03:24Z INF Cannot determine default configuration path. No file [config.yml config.yaml] in [~/cloud
cloudflare-warp ~/cloudflare-warp]
05-15T22:03:24Z INF Version 2025.4.2 (Checksum 63326694bc92dd1fab27bf05c8e97379dfcd55862a9ca5a22c0f7672f21b54
05-15T22:03:24Z INF GOOS: windows, GOVersion: go1.22.5-devel-cf, GoArch: amd64
05-15T22:03:24Z INF Settings: map[ha-connections:1 protocol:quic url:http://localhost/]
05-15T22:03:24Z INF Generated Connector ID: 6f3a6a28-fa24-4fa3-8b58-9ad0ac5c48ce
05-15T22:03:24Z INF cloudflared will not automatically update on Windows systems.
05-15T22:03:24Z INF Initial protocol quic
05-15T22:03:24Z INF TUNNEL ID: 11111111-1111-1111-1111-111111111111
```

To which we must access and replace that part indicated by  
“unai/TFG\_UnaiBenito\_FactoryManagement”.  
This way, the application can be executed:



The screenshot shows a web browser window with the address bar displaying `glossary-backup-mtv-cu.trycloudflare.com/unai/TFG_UnaiBenito_FactoryManagement/`. The page features a dark blue background with a light blue gradient. In the center, there is a white rounded rectangle containing a 'Signup' form. The form includes the following fields and elements:

- Signup** (Section Header)
- Full name
- Email address
- Password
- Register as:
- (Dropdown menu)
- Select your factory:
- (Dropdown menu)
- 
- Login** (Text at the bottom of the white rectangle)