# Project Report: Odoo Education Management

## 1. Project Overview

The project is a Dockerized Odoo 17 application with a custom module named
`tp_gestion_emplois` designed for school timetable management.

### Project Structure

```
odoo-docker/
├── addons/
│   └── tp_gestion_emplois/        # Custom module
├── config/                        # Odoo configuration
└── docker-compose.yml             # Container orchestration
```

## 2. Infrastructure

The application runs on Docker containers defined in `docker-compose.yml`.

- **Web Service**:

    ○ Image: `odoo:17.0`
    ○ Port: `8069`
    ○ Mounts:

        ■ `addons -> /mnt/extra-addons`
        ■ `config -> /etc/odoo`

    ○ Dependencies: `db service`

- **DB Service**:

    ○ Image: `postgres:16`
    ○ Database: `odoo_db`
    ○ User/Pass: `odoo/odoo`
    ○ Volume: `odoo-db-data` for persistence

## 3. Custom Module: tp_gestion_emplois

This module provides functionality to manage educational sessions (Emploi du Temps).

### Module Manifest

- **Name**: tp_gestion_emplois
- **Category**: Education
- **Description**: Module pour la gestion des emplois du temps scolaire.
- **Dependencies**: base

## Data Model (`tp.emploi`)

Defined in `models/emploi.py`.

| Field Name | Type | Description |
|------------|------|-------------|
| name | Char | Matière (Required) |
| professeur | Char | Professeur |
| salle | Char | Salle |
| date | Date | Date du cours |
| heure_debut | Float | Heure de début |
| statut | Selection | Programmé, Réalisé, Annulé (Default: Programmé) |
| description | Text | Remarques |

### User Interface

Defined in `views/emploi_views.xml`.

#### Menus

- **Root Menu**: "Emplois du Temps"
- **Sub Menu**: "Gestion des Séances" (Opens the list view of sessions)

#### Views

1. **List View (Tree)**: Displays the following columns:

   - Matière
   - Professeur
   - Date
   - Heure de début
   - Salle
   - Statut

2. **Form View**: Allows creating and editing sessions with grouped fields:

   - **Header**: Basic info (Matière, Professeur, Salle)
   - **Details**: Scheduling (Date, Heure, Statut)
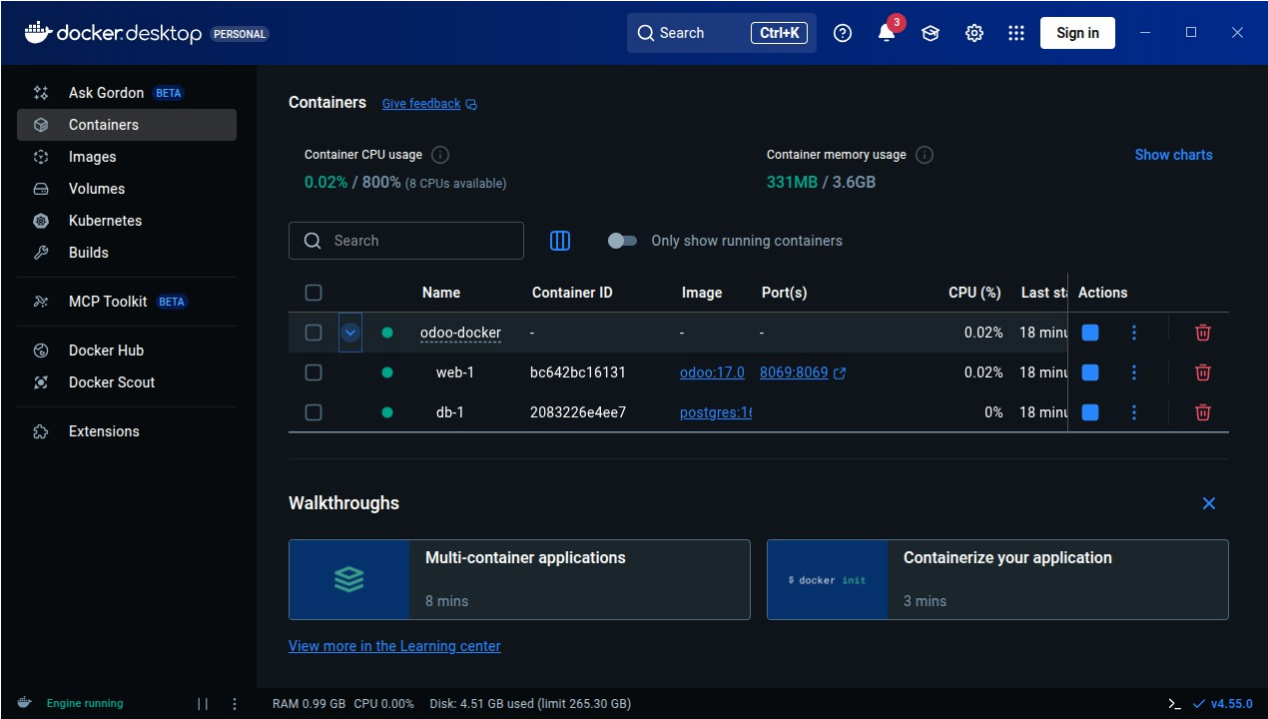   - **Footer**: Description/Remarques
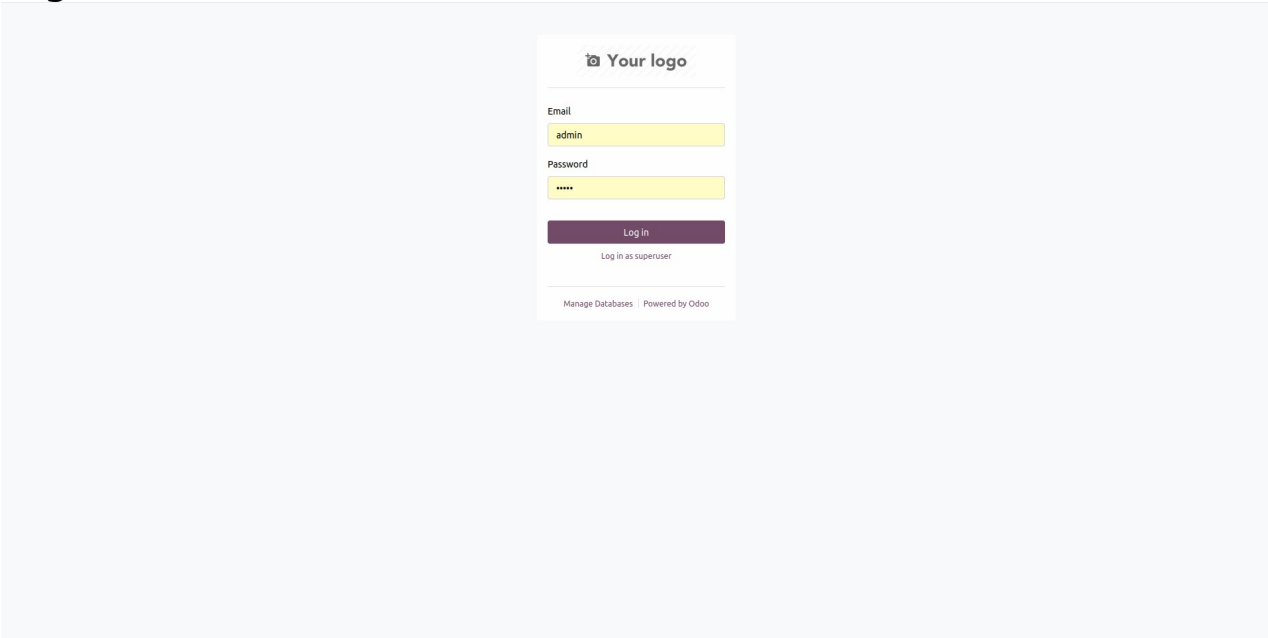
# 4. Usage

To verify the application:

1. Navigate to `http://localhost:8069`.
2. Log in as `admin`.
3. Install `tp_gestion_emplois` from the Apps menu.
4. Access "Emplois du Temps" from the main menu grid.
5. Create and manage course schedules.

# 5. Usage

## Docker.



## Login.

# Apps.

Apps

Apps ✕    Module    tp ✕    Search...

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**APPS**
All
Official Apps
Industries

**CATEGORIES**
All
Sales
Services
Accounting
Inventory
Manufacturing
Website
Marketing
Human Resources
Productivity
Technical
Administration

**tp_gestion_emplois**
tp_gestion_emplois
Module Info

# Emploi du Temps.

Emplois du Temps    Gestion des Séances

New    Gestion des Séances ⚙

Search...

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| | Matière | Professeur | Date du cours | Heure de début | Salle | Statut |
|---|---|---|---|---|---|---|
| ☐ | Maths | lamouini | 01/03/2026 | 10:00 | sc43 | Programmé |
| ☐ | Physics | aboud | 01/05/2026 | 08:30 | sc11 | Programmé |
| ☐ | Computer Science | Abtappen | 12/31/2025 | 16:00 | lab22 | Réalisé |
| ☐ | Lamouini Science | Lamouini Ostora | 12/29/2025 | 14:00 | sc80 | Annulé |

# Gestion.

Emplois du Temps    Gestion des Séances

New    Gestion des Séances
Maths ⚙

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| | | | |
|---|---|---|---|
| **Matière** | Maths | **Date du cours** | 01/03/2026 |
| **Professeur** | lamouini | **Heure de début** | 10:00 |
| **Salle** | sc43 | **Statut** | Programmé |
| **Remarques** | good game | | |

**tp_gestion_emplois**
tp_gestion_emplois