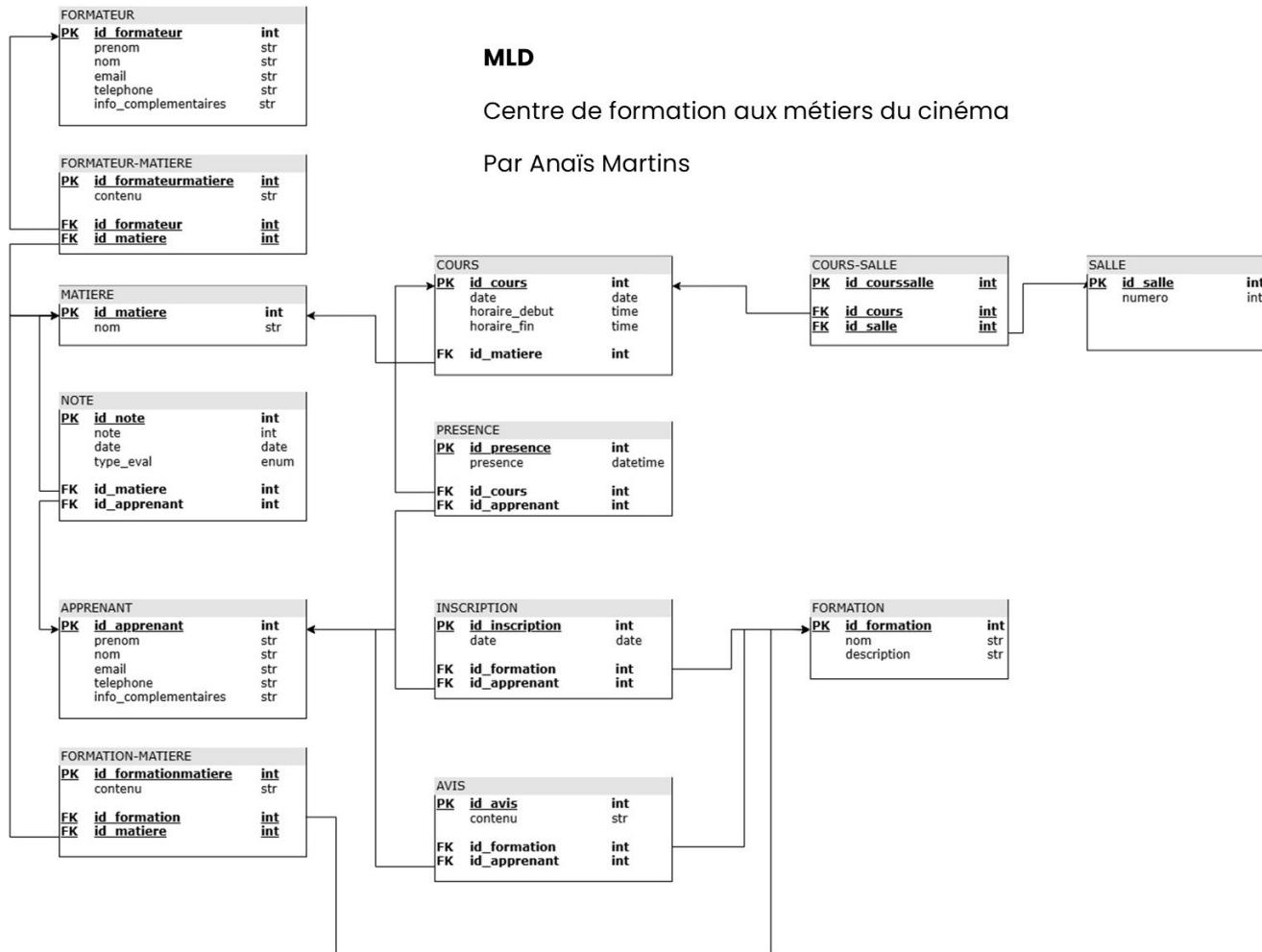


# Situation professionnelle # 1

## Modèle Logique de Données



# Création des modèles

The screenshot shows a code editor interface with a dark theme. The left sidebar is an 'EXPLORER' view showing the project structure:

- > bin
- > config
- > middelwares
- ✓ models
  - JS apprenant.js
  - JS avis.js
  - JS cours\_salle.js
  - JS cours.js** (highlighted)
  - JS formateur\_matiere.js
  - JS formateur.js
  - JS formation\_matiere.js
  - JS formation.js
  - JS inscription.js
  - JS matiere.js
  - JS note.js
  - JS presence.js
  - JS salle.js
  - JS User.js
- > node\_modules
- > public
- > routes
- > uploads
- > views
- JS app.js
- { package-lock.json
- { package.json
- JS testmodels.js

The right pane displays the content of the selected file, 'cours.js':

```
1  const { DataTypes } = require('sequelize');
2  const sequelize = require('../config/db');
3  const matiere = require('./matiere');
4
5  const cours = sequelize.define('Cours', {
6    id_cours: {
7      type: DataTypes.INTEGER,
8      primaryKey: true,
9      autoIncrement: true,
10     },
11     date: {
12       type: DataTypes.DATE,
13       allowNull: false,
14     },
15     horaire_debut: {
16       type: DataTypes.TIME,
17       allowNull: false,
18     },
19     horaire_fin: {
20       type: DataTypes.TIME,
21       allowNull: false,
22     },
23     id_matiere: {
24       type: DataTypes.INTEGER,
25       allowNull: false,
26       references: {
27         model: 'matiere',
28         key: 'id_matiere',
29       },
30     },
31   }, {
32   }, {
```

# Création des routes

The screenshot shows a code editor interface with a dark theme. The top navigation bar includes File, Edit, Selection, View, Go, Run, Terminal, Help, and tabs for apiAvis.js, apilnscription.js, apiPresence.js, apiSalle.js, note.js, formation.js, and mat. The left sidebar has icons for Explorer, Search, Symbols, and Diff, with the Explorer icon selected. The main area displays the content of apiAvis.js. The code implements two routes: a GET route for retrieving an avis by id, and a POST route for adding a new avis. It uses async/await syntax and imports from Apprenant, Formation, and Avis models.

```
routes > JS apiAvis.js > router.get('/:id', async (req, res) => {
  68   router.get('/:_id', async (req, res) => {
  69     // -----
  70     // POST: Ajouter un avis
  71     // -----
  72     router.post('/', async (req, res) => {
  73       try {
  74         const { id_apprenant, id_formation, avis } = req.body;
  75
  76         // Vérification existence apprenant et formation
  77         const apprenant = await Apprenant.findById(id_apprenant);
  78         if (!apprenant) return res.status(400).json({ message: 'Apprenant non trouvé' });
  79
  80         const formation = await Formation.findById(id_formation);
  81         if (!formation) return res.status(400).json({ message: 'Formation non trouvée' });
  82
  83         const nouvelAvis = await Avis.create({ id_apprenant, id_formation, avis });
  84         res.status(201).json(nouvelAvis);
  85       } catch (err) {
  86         res.status(500).json({ message: err.message });
  87       }
  88     });
  89   });
  90
  91   // -----
  92   // -----
  93   // -----
  94   // -----
  95   // -----
  96   // -----
  97   // -----
  98   // -----
  99   // -----
 100  // -----
 101  // -----
 102  // -----
 103  // -----
 104  // -----
```

## Création des views

The screenshot shows a dark-themed interface of the Visual Studio Code code editor. In the top left, there's a file icon followed by the text "File Edit Selection View Go Run Terminal Help". To the right is a search bar containing "7ProjetNodeExpressTableFileImage". Below the menu is a toolbar with icons for file operations like Open, Save, and Close.

The main area is divided into two panes. On the left is the "EXPLORER" pane, which displays a tree view of the project structure:

- 7PROJ... (selected)
- middelwares
- models
- node\_modules
- public
- routes
- uploads
- views
  - apprenant
    - ajouter.ejs (highlighted with a blue border)
    - liste.ejs
    - modifier.ejs
  - avis
  - contacts
  - cours
  - formateur
  - formation
  - inscription
  - matiere
  - note
  - partials
  - presence
  - salle
  - users
- contact.ejs
- error.ejs
- index.ejs

The right pane shows the content of the selected file, "ajouter.ejs", with line numbers from 1 to 30 on the left. The code is an EJS template for adding a new student (apprenant). It includes a meta tag, a title, a link to a CSS file, and a form with three input fields: id\_apprenant, prenom, and nom.

```
<!DOCTYPE html>
<html lang="fr">
<head>
    <meta charset="UTF-8">
    <title>Ajouter un apprenant</title>
    <link href="/bootstrap/css/bootstrap.min.css" rel="stylesheet">
</head>
<body>
    <!-- Navbar include -->
    <%- include('../partials/navbar'); %>

    <div class="container mt-5">
        <h1 class="mb-4">Ajouter un apprenant</h1>

        <form id="ajouterForm">
            <div class="mb-3">
                <label for="id_apprenant" class="form-label">Id Apprenant</label>
                <input type="number" class="form-control" id="id_apprenant" required>
            </div>

            <div class="mb-3">
                <label for="prenom" class="form-label">Prénom</label>
                <input type="text" class="form-control" id="prenom" required>
            </div>

            <div class="mb-3">
                <label for="nom" class="form-label">Nom</label>
                <input type="text" class="form-control" id="nom" required>
            </div>
        </form>
    </div>
</body>

```

# Gestion de la Base De Données via PhpMyAdmin

phpMyAdmin

Serveur : 127.0.0.1 » Base de données : centre\_formations » Table : formateur

Parcourir Structure SQL Rechercher Insérer Exporter Importer Privilèges Opérations Suivi Déclencheurs

Structure de table Vue relationnelle

#	Nom	Type	Interclassement	Attributs	Null	Valeur par défaut	Commentaires	Extra	Action
1	<b>id_formateur</b> ⚡	int(20)			Non	Aucun(e)		AUTO_INCREMENT	Plus
2	<b>prenom</b>	varchar(50)	utf8mb4_general_ci		Non	Aucun(e)			Plus
3	<b>nom</b>	varchar(100)	utf8mb4_general_ci		Non	Aucun(e)			Plus
4	<b>email</b>	varchar(70)	utf8mb4_general_ci		Non	Aucun(e)			Plus
5	<b>telephone</b>	varchar(20)	utf8mb4_general_ci		Non	Aucun(e)			Plus
6	<b>info_complementaires</b>	varchar(300)	utf8mb4_general_ci		Oui	NULL			Plus

Tout cocher Avec la sélection : Parcourir Modifier Supprimer Primaire Unique Index Spatial Texte entier

Ajouter à la liste centrale Supprimer de la liste centrale de colonnes

Imprimer Suggérer des optimisations de structure Suivre la table Déplacer des colonnes Normaliser

Ajouter 1 colonne(s) après info\_complementaires Exécuter

Index