Employee Management System – Backend API Documentation

Base URL: http://localhost:3000

```
src/
│── server.ts          # Application entry point
│── app.ts             # Express app & route registration
│── prisma.ts          # Prisma DB client
│
├── routes/
│   ├── auth.routes.ts
│   ├── roles.routes.ts
│   ├── employees.routes.ts
│
├── controllers/
│   ├── auth.controller.ts
│   ├── roles.controller.ts
│   ├── employees.controller.ts
│
prisma/
│── schema.prisma       # Database schema
│
.env                    # Environment variables
```

AUTH APIs

Signup API

Endpoint : POST /api/auth/signup

Request Body (JSON):
```
{
  "full_name": "Shree Suthan",
  "username": "shree123",
  "email": "shree@gmail.com",
  "phone": "9876543210",
  "password": "shree@123"
}
```
Success Response (201)
```
{
  "message": "Signup successful",
  "user_id": 6,
  "employee_id": 3
}
```

Login API

Endpoint: POST /api/auth/login

Request Body:
```
{
 "username": "",
 "password": ""
}
```

Success Response:
```
{
 "message": "Login successful",
 "token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..."
}
```

ROLES APIs

Create Role

Endpoint: POST /api/roles

Request Body (JSON):
```
{
 "role_name": "HR",
 "description": "Human Resources"
}
```

Success Response (201):
```
{
 "role_id": 2,
 "role_name": "HR",
 "description": "Human Resources"
}
```

Get All Roles

Endpoint: GET /api/roles

Response
```
[
 {
   "role_id": 1,
   "role_name": "",
   "description": ""
 }
]
```

Update Role

Endpoint: PUT /api/roles/:id   (:id → role_id)

Request Body (JSON):

```
{
  "role_name": "Manager",
  "description": "Manages team operations"
}
```

Success Response (200)

```
{
  "message": "Role updated successfully"
}
```

Delete Role:

Endpoint: DELETE /api/roles/:id

Success Response (200):

```
{

  "message": "Role deleted successfully"

}
```

EMPLOYEES APIs

Create Employee

Endpoint : POST /api/employees

Request Body:
```
{
 "employee_code": " ",
 "first_name": " ",
 "last_name": " ",
 "email": " ",
 "phone": " ",
 "gender": " ",
 "date_of_birth": " ",
 "join_date": " ",
 "salary": ,
 "department_id": ,
 "role_id": ,
 "status": ""
}
```

Get All Employees

Endpoint:GET /api/employees

Update Employee

Endpoint : PUT /api/employees/:id

Delete Employee

Endpoint: DELETE /api/employees/:id