**JavaScript Project Requirements**

**1. Define Data Structure**

* Define an array of **Employees** with the following properties: id, name, salary, performanceRate, age, dateOfBirth, gender, skills, and status.
* Define an array of **Departments** with the following properties: id, name, location, startingDate, and projects (where each project has id, name, numberOfHours, and location).

**2. Display Data**

* Create an HTML page to **display employees**.
* Create an HTML page to **display departments**.
* Create an HTML page to **display projects**.

**3. CRUD Operations**

* **Add** a new employee.
* **Add** a new department.
* **Add** a new project.
* **Update** employee, department, and project details.
* **Delete** employee, department, and project.

**4. Search Functionality**

* **Search** for employees, departments, and projects. By ID , Name

**5. Assignments**

* **Assign an employee** to a department.
* **Assign an employee** to a project.

**6. Employee Performance & Statistics**

* Get the **best employee** based on performance rate.
* Get the **total salaries** for a specific department.
* Create a function to **hire a manager** for a department.
* Get all employees with **coding skills**.
* Get all employees where **gender** is male.
* Get all employees whose **salary is greater than the average salary**.
* Get all employees with **inactive status**.

**7. Project Statistics**

* Get the project with the **minimum hours**.
* **Assign an employee** to a project.