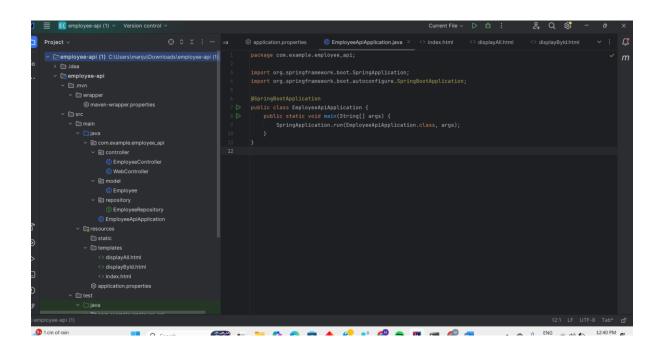
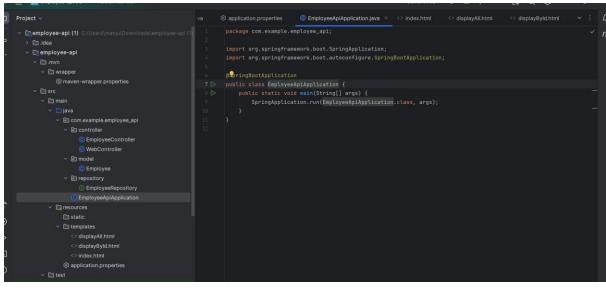
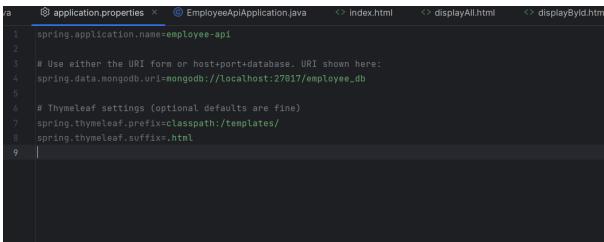
Spring Data Mongodb

1.Create a Restful API using spring mvc as per the requirements below:(should use mongodb)

- The application should display a Form in the landing page (index.page) where the user
 can enter the 'Employee' details like 'Employee ID', 'Employee Name', 'Employee
 Email' and 'Location' and upon submission the data should be saved onto a database
 table
- 2. The application should also support a '/displayAll' path which shows the list of all the Employees.
- The application should also support a '/display/<user id>' path where upon passing of
 userid as the parameter the details of only the particular Employee holding that Employee
 ID will be displayed.
- 4. Code all the above functionalities required as a RESTful URL.







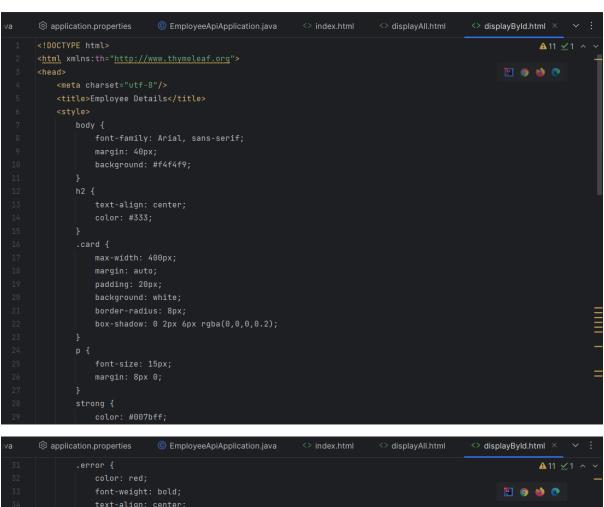
```
(©) application.properties
                          © EmployeeApiApplication.java
                                                          	imes index.html 	imes 	imes displayAll.html
                                                                                                <> displayByld.html
<!DOCTYPE html>
                                                                                                                    A 13 ^
   <title>Add Employee</title>
            font-family: Arial, sans-serif;
            background-color: #f9f9f9;
            max-width: 400px;
            background: #fff;
            box-shadow: 0 2px 6px rgba(0,0,0,0.2);
            margin: 10px 0 5px;
                         © EmployeeApiApplication.java
                                                                                                                          پً
            margin-top: 20px;
<h2>Add Employee</h2>
   <label>Employee ID:</label>
   <input type="text" th:field="*{employeeId}" required/>
   <input type="text" th:field="*{name}" required/>
    <input type="text" th:field="*{location}" required/>
```

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```
### Section of the content of the co
```

```
application.properties
                    © EmployeeApiApplication.java
                                                            <> displayAll.html ×
                                                                                        ▲13 ≾2 ^
           background: #28a745;
           border-collapse: collapse;
           margin-top: 15px;
           background: white;
           border: 1px solid #ddd;
           background: #007bff;
@ application.properties
                    © EmployeeApiApplication.java
                                                         <> displayAll.html × <> displayByld.html
                                                                                                چ
                                                                               E 💿 📦 📀
</head>
   <label>Search by Employee ID or Mongo ID:</label>
   <input type="text" name="q" placeholder="Enter ID" required/>
      Mongo _id
   </thead>
```



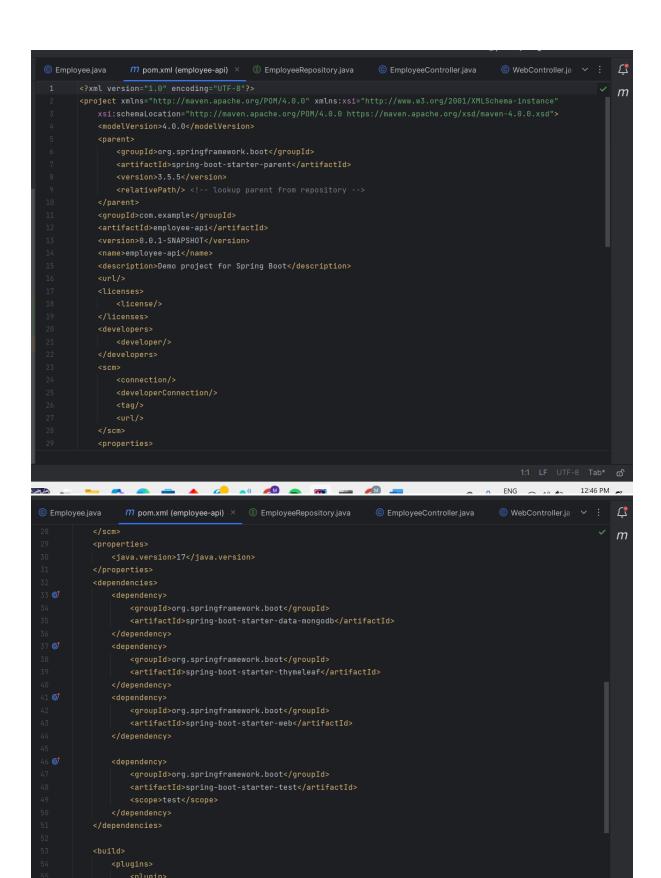
```
⑤ EmployeeRepository.java × ⑤ EmployeeController.java
                                                        WebController.java
                                                                               (2) application.properties
                                                                                                          © EmployeeApiA ✓
     package com.example.employee_api.repository;
     import org.springframework.data.mongodb.repository.MongoRepository;
     4 sages
     public interface EmployeeRepository extends MongoRepository<Employee, String> {
         Optional<Employee> findByEmployeeId(String employeeId);
                                                                                                                           ڋ
EmployeeRepository.java
                          © EmployeeController.java × © WebController.java
                                                                           (3) application.properties
                                                                                                   © EmployeeApiA ∨ :
     package com.example.employee_api.controller;
                                                                                                                          m
     import org.springframework.beans.factory.annotation.Autowired;
     import org.springframework.web.bind.annotation.*;
     import java.util.Optional;
         @PostMapping("/add")
```

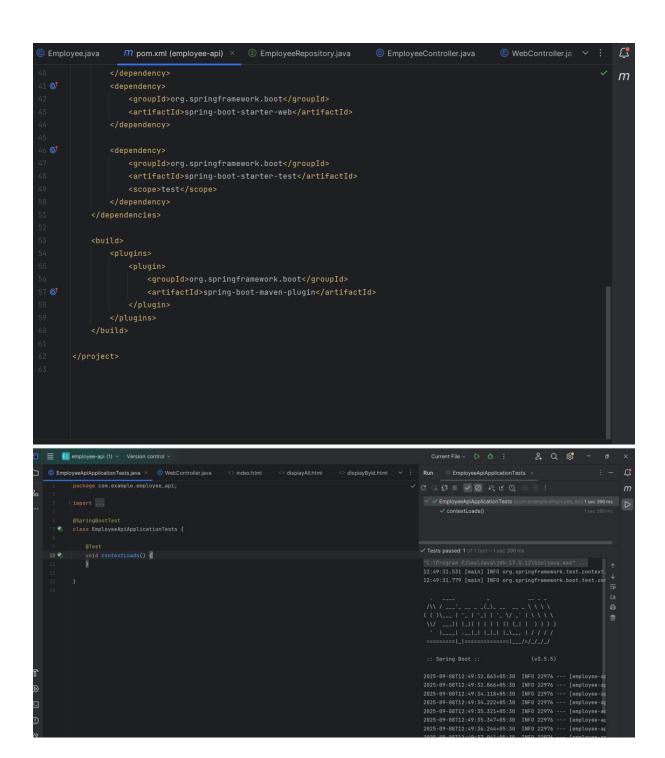
```
EmployeeRepository.java
                 © EmployeeController.java × © WebController.java
                                                     application.properties
     public Optional<Employee> byId(@PathVariable String id) {
        return repo.findByEmployeeId(employeeId);
EmployeeRepository.java
                                     A9 ≾2 ^ ∨
                                                                                        m
    public class WebController {
       @PostMapping("/save")
```

```
    WebController.java ×

                                                                       application.properties
                                                                                                 © EmployeeApiA
            return "displayById"; // ☑ matches your template name
        public String searchRedirect(@RequestParam("q") String q) {
EmployeeRepository.java
                         © EmployeeController.java
                                                      © WebController.java × ∅ application.properties
                                                                                                        © EmployeeApiA ∨
                                                                                                                  ∆9 ≾2
              if (emp == null) {
              model.addAttribute( attributeName: "employee", emp);
              return "displayById"; // ☑ matches your template name
          public String searchRedirect(@RequestParam("q") String q) {
         public String deleteById(@PathVariable String id) {
```

```
WebController.java
   package com.example.employee_api.model;
                                                                                                   ▲10 ≾1 ^ ∨
   import org.springframework.data.mongodb.core.mapping.Document;
   public class Employee {
      private String email;
      private String location;
         this.emploveeId = emploveeId:
                                        © EmployeeController.java © WebController.java © application.properties \vee :
Employee.java × ① EmployeeRepository.java
       public String getEmployeeId() { return employeeId; }
       public void setName(String name) { this.name = name; }
       public void setEmail(String email) { this.email = email; }
```





Creating the employee-db in mongodb

```
Microsoft Windows [Version 10.0.26100.4946]
(c) Microsoft Corporation. All rights reserved.

C:\Users\manju>mongosh
Current Mongosh Log ID: 68be729f9e561f96abeec4a8
Connecting to: mongodb://127.0.0.1:27017/?directConnection=true&serverSelectionTimeoutMS=2000&appName=mongosh+2
.5.6

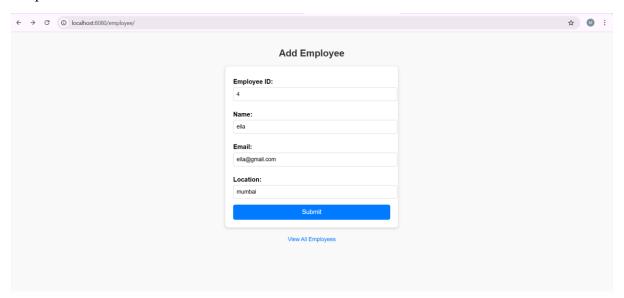
Using MongoDB: 8.0.12
Using Mongosh: 2.5.6
mongosh 2.5.7 is available for download: https://www.mongodb.com/try/download/shell

For mongosh info see: https://www.mongodb.com/docs/mongodb=shell/
-----

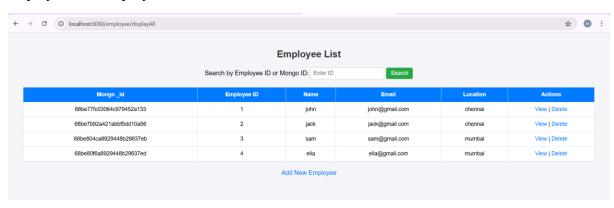
The server generated these startup warnings when booting
2025-09-07120:11:20.776+05:30: Access control is not enabled for the database. Read and write access to data and configuration is unrestricted
-----

test> use employee_db
... db.createCollection("employee")
...
switched to db employee_db
employee_db>
```

Output:



displayAll the employee



displayById:

