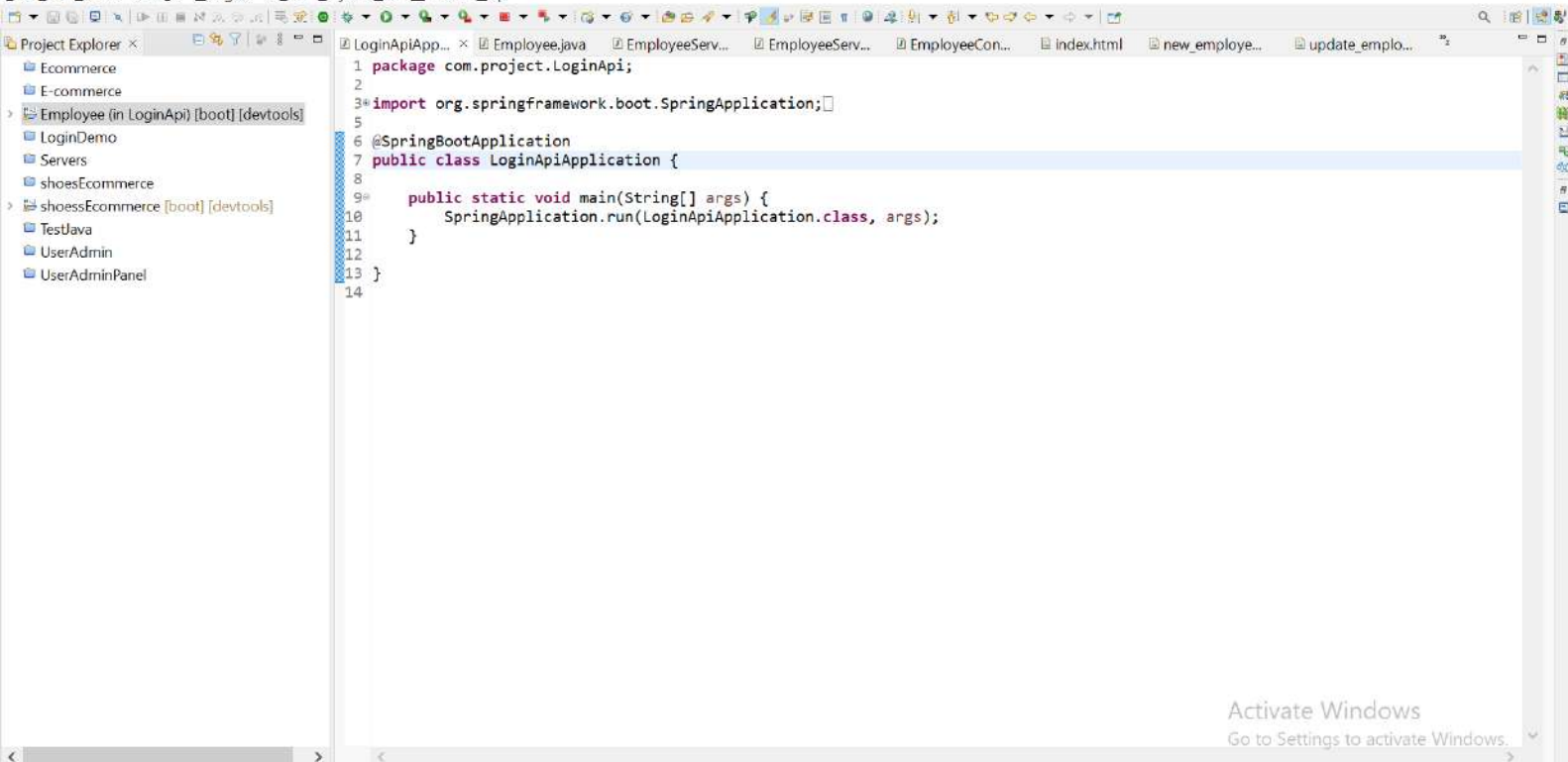


e-shoes - Employee/src/main/java/com/project/LoginApi/LoginApiApplication.java - Eclipse IDE

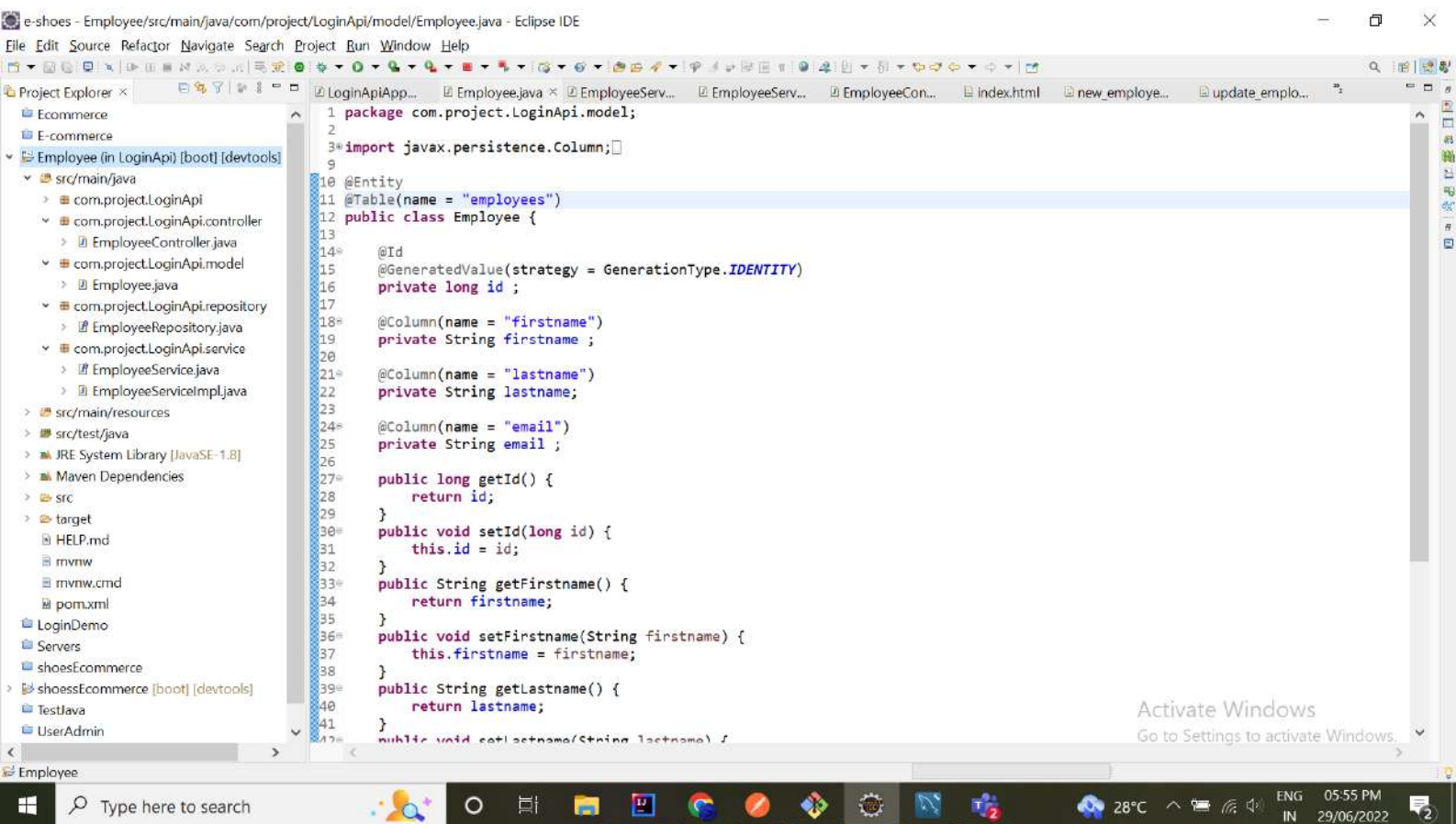
File Edit Source Refactor Navigate Search Project Run Window Help



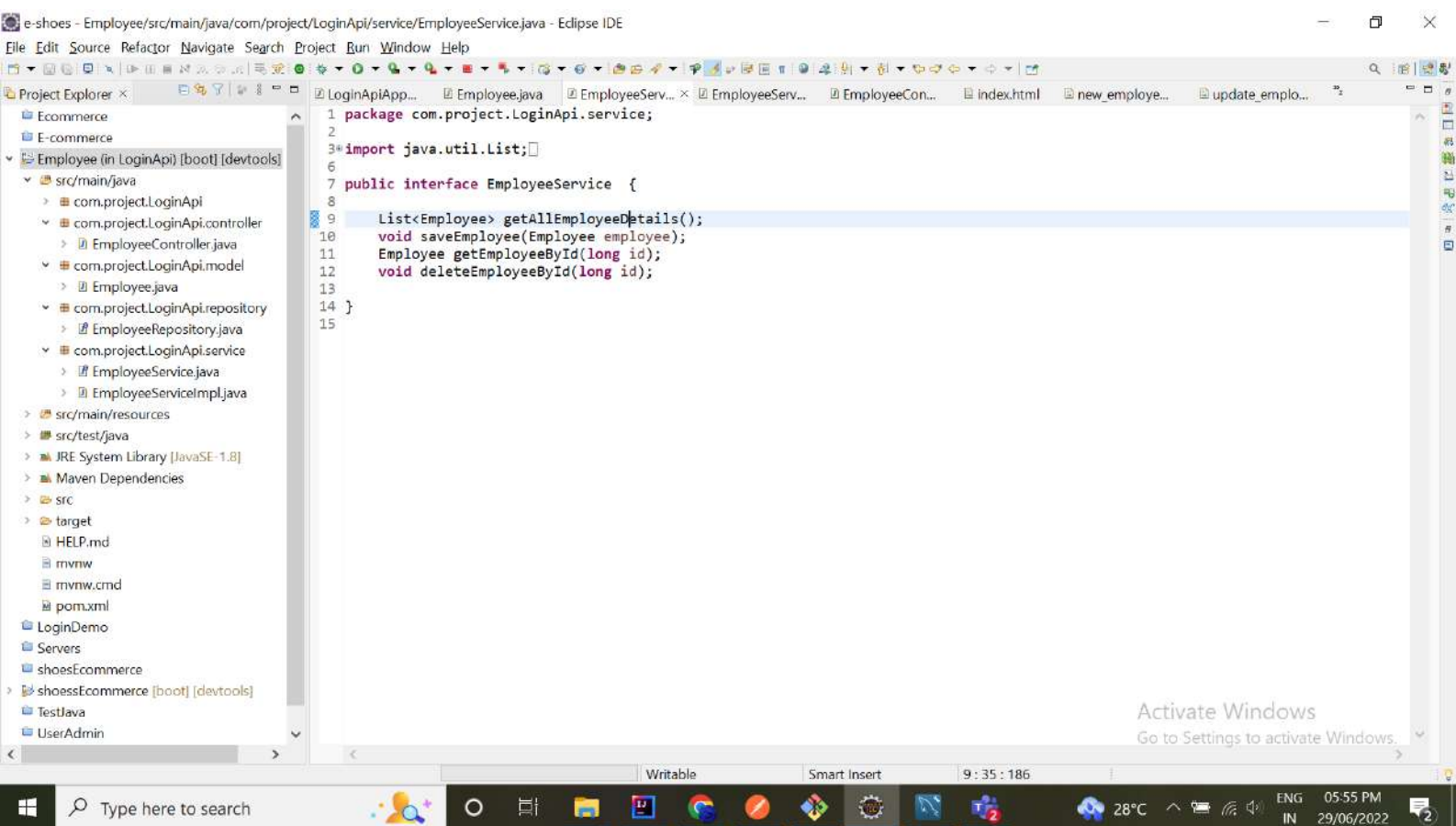
The screenshot shows the Eclipse IDE interface. On the left is the Project Explorer showing a project named 'e-shoes' with several sub-projects: 'Ecommerce', 'E-commerce', 'Employee (in LoginApi) [boot] [devtools]', 'LoginDemo', 'Servers', 'shoesEcommerce', 'shoesEcommerce [boot] [devtools]', 'TestJava', 'UserAdmin', and 'UserAdminPanel'. The main editor area displays the file 'LoginApiApplication.java'. The code is as follows:

```
1 package com.project.LoginApi;
2
3 import org.springframework.boot.SpringApplication;
4
5
6 @SpringBootApplication
7 public class LoginApiApplication {
8
9     public static void main(String[] args) {
10         SpringApplication.run(LoginApiApplication.class, args);
11     }
12 }
13
14
```

At the bottom right of the IDE, there is a watermark that says 'Activate Windows Go to Settings to activate Windows.'







e-shoes - Employee/src/main/java/com/project/LoginApi/service/EmployeeServiceImpl.java - Eclipse IDE

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- E-commerce
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 - com.project.LoginApi.model
 - Employee.java
 - com.project.LoginApi.repository
 - EmployeeRepository.java
 - com.project.LoginApi.service
 - EmployeeService.java
 - EmployeeServiceImpl.java
 - src/main/resources
 - src/test/java
 - JRE System Library [JavaSE-1.8]
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 - mvnw.cmd
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 - shoesEcommerce
 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

LogApiApp... Employee.java EmployeeServ... EmployeeServ... EmployeeCon... index.html new_employo... update_emplo...

```
1 package com.project.LoginApi.service;
2
3 import java.util.List;
4
11
12 @Service
13 public class EmployeeServiceImpl implements EmployeeService{
14
15     @Autowired
16     EmployeeRepository employeeRepository;
17
18     @Override
19     public List<Employee> getAllEmployeeDetails() {
20         // TODO Auto-generated method stub
21         return employeeRepository.findAll();
22     }
23
24     @Override
25     public void saveEmployee(Employee employee) {
26         // TODO Auto-generated method stub
27         this.employeeRepository.save(employee);
28     }
29
30     @Override
31     public Employee getEmployeeById(long id) {
32         // TODO Auto-generated method stub
33
34         Optional<Employee> optional = employeeRepository.findById(id);
35         Employee employee = null;
36
37         if (optional.isPresent()) {
38             employee = optional.get();
39         } else {
40             throw new RuntimeException("Employee not this id :: "+id);
41         }
42
43         return employee;
44     }
45
46     @Override
```

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e-shoes - Employee/src/main/java/com/project/LoginApi/service/EmployeeServiceImpl.java - Eclipse IDE

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Project Explorer

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- E-commerce
- Employee (in LoginApi) [boot] [devtools]
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 - EmployeeController.java
 - com.project.LoginApi.model
 - Employee.java
 - com.project.LoginApi.repository
 - EmployeeRepository.java
 - com.project.LoginApi.service
 - EmployeeService.java
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 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

LoginApiApp... Employee.java EmployeeServ... EmployeeServ... EmployeeCon... index.html new_employo... update_emplo...

```
16 employeeRepository employeeRepository;
17
18 public List<Employee> getAllEmployeeDetails() {
19     // TODO Auto-generated method stub
20     return employeeRepository.findAll();
21 }
22 @Override
23 public void saveEmployee(Employee employee) {
24     // TODO Auto-generated method stub
25     this.employeeRepository.save(employee);
26 }
27
28 @Override
29 public Employee getEmployeeById(long id) {
30     // TODO Auto-generated method stub
31
32     Optional<Employee> optional = employeeRepository.findById(id);
33     Employee employee = null;
34
35     if (optional.isPresent()) {
36         employee = optional.get();
37     } else {
38         throw new RuntimeException("Employee not this id :: "+id);
39     }
40
41     return employee;
42 }
43
44 @Override
45 public void deleteEmployeeById(long id) {
46     // TODO Auto-generated method stub
47     this.employeeRepository.delete(id);
48 }
49
50 }
51
52 }
```

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e-shoes - Employee/src/main/java/com/project/LoginApi/controller/EmployeeController.java - Eclipse IDE

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```
Project Explorer
E-commerce
E-commerce
Employee (in LoginApi) [boot] [devtools]
src/main/java
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EmployeeController.java
com.project.LoginApi.model
Employee.java
com.project.LoginApi.repository
EmployeeRepository.java
com.project.LoginApi.service
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Servers
shoesEcommerce
shoesEcommerce [boot] [devtools]
TestJava
UserAdmin

1 package com.project.LoginApi.controller;
2
3 import org.springframework.beans.factory.annotation.Autowired;
4
5 @Controller
6 public class EmployeeController {
7
8     @Autowired
9     EmployeeService employeeService;
10
11     @GetMapping("/")
12     public String viewHomePage(Model model) {
13         model.addAttribute("listEmployees", employeeService.getAllEmployeeDetails());
14         return "index";
15     }
16
17     @GetMapping("/shownewemployeeform")
18     public String shownewemployeeform(Model model) {
19         Employee employee = new Employee();
20         model.addAttribute("employee", employee);
21         return "new_employee";
22     }
23
24     @PostMapping("/saveEmployee")
25     public String saveEmployee(@ModelAttribute("employee") Employee employee) {
26         employeeService.saveEmployee(employee);
27         return "redirect:/";
28     }
29
30     @GetMapping("/showFormForUpdate/{id}")
31     public String showFormForUpdate(@PathVariable(value = "id") long id, Model model) {
32         //get employee from the service
33     }
34 }
```

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e-shoes - Employee/src/main/java/com/project/LoginApi/controller/EmployeeController.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer

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- E-commerce
- Employee (in LoginApi) [boot] [devtools]
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 - com.project.LoginApi.model
 - Employee.java
 - com.project.LoginApi.repository
 - EmployeeRepository.java
 - com.project.LoginApi.service
 - EmployeeService.java
 - EmployeeServiceImpl.java
 - src/main/resources
 - src/test/java
 - JRE System Library [JavaSE-1.8]
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 - LoginDemo
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 - shoesEcommerce
 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

LogApiApp... Employee.java EmployeeServ... EmployeeServ... EmployeeCon... x Index.html new_employo... update_emplo...

```
31 model.addAttribute("employee", employee);
32 return "new_employee";
33 }
34
35 @PostMapping("/saveEmployee")
36 public String saveEmployee(@ModelAttribute("employee") Employee employee) {
37
38     employeeService.saveEmployee(employee);
39
40     return "redirect:/";
41 }
42
43 @GetMapping("/showFormForUpdate/{id}")
44 public String showFormForUpdate(@PathVariable(value = "id") long id, Model model) {
45     //get employee from the service
46     Employee employee = employeeService.getEmployeeById(id);
47
48     //set employee as model attributes to pre-populate the form
49     model.addAttribute("employee", employee);
50
51     return "update_employee";
52 }
53
54 @GetMapping("/deleteEmployee/{id}")
55 public String deleteEmployee(@PathVariable(value = "id") long id) {
56
57     this.employeeService.deleteEmployeeById(id);
58
59     return "redirect:/";
60 }
61
62 }
63
64 }
65
66 }
67 }
```

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e-shoes - Employee/src/main/resources/templates/index.html - Eclipse IDE

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Project Explorer

- E-commerce
- E-commerce
- Employee (in LoginApi) [boot] [devtools]
 - src/main/java
 - com.project.LoginApi
 - com.project.LoginApi.controller
 - EmployeeController.java
 - com.project.LoginApi.model
 - Employee.java
 - com.project.LoginApi.repository
 - EmployeeRepository.java
 - com.project.LoginApi.service
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 - src/main/resources
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 - shoesEcommerce
 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

LogApiApp... Employee.java EmployeeServ... EmployeeServ... EmployeeCon... index.html new_employ... update_emplo...

```
1 <!DOCTYPE html>
2 <html lang="en" xmlns:th="http://thymeleaf.org">
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>Employee Management System</title>
6 </head>
7 <body>
8 <div align="center">
9
10
11 <h1> Employee list </h1>
12 <a th:href="@{/shownewEmployeeform}">Add Employee</a>
13 <br><br>
14 <table border="1">
15 <thead>
16 <tr>
17 <th>Employee first name </th>
18 <th>Employee last name </th>
19 <th> Employee Email </th>
20 <th> Action </th>
21 </tr>
22 </thead>
23 <tbody><tr th:each = "employee : ${listEmployees}">
24 <td th:text = "${employee.firstname}"></td>
25 <td th:text = "${employee.lastname}"></td>
26 <td th:text = "${employee.email}"></td>
27 <td> <a th:href="@{/showFormForUpdate/{id}(id=${employee.id})}">Update</a></td>
28 <td> <a th:href="@{/deleteEmployee/{id}(id=${employee.id})}">Delete</a></td>
29
30 </tr></tbody>
31 </table>
32
33 </div>
34
35
36 </body>
37 </html>
```

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e-shoes - Employee/src/main/resources/templates/new_employee.html - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer

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- E-commerce
- Employee (in LoginApi) [boot] [devtools]
 - src/main/java
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 - EmployeeController.java
 - com.project.LoginApi.model
 - Employee.java
 - com.project.LoginApi.repository
 - EmployeeRepository.java
 - com.project.LoginApi.service
 - EmployeeService.java
 - EmployeeServiceImpl.java
 - src/main/resources
 - src/test/java
 - JRE System Library [JavaSE-1.8]
 - Maven Dependencies
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 - pom.xml
 - LoginDemo
 - Servers
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 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

new_employee.html

```
1 <!DOCTYPE html>
2 <html lang="en" xmlns:th="http://thymeleaf.org">
3 <head>
4 <meta charset="ISO-8859-1">
5 <title>Employee Management System</title>
6 </head>
7 <body>
8 <h1>save Employee</h1>
9 <form action="#" th:action="@{/saveEmployee}" th:object="${employee}" method="POST">
10
11 <input type="text" th:field="*{firstname}" placeholder="Employee first name">
12 <input type="text" th:field="*{lastname}" placeholder="Employee last name">
13 <input type="text" th:field="*{email}" placeholder="Employee email">
14 <button type="submit">Save Employee</button>
15
16 </form><hr>
17 <hr>
18 <a th:href="@{/}">Back to Employee List</a>
19
20 </body>
21 </html>
```

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e-shoes - Employee/src/main/resources/templates/update_employee.html - Eclipse IDE

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 - Employee.java
 - com.project.LoginApi.repository
 - EmployeeRepository.java
 - com.project.LoginApi.service
 - EmployeeService.java
 - EmployeeServiceImpl.java
 - src/main/resources
 - src/test/java
 - JRE System Library [JavaSE-1.8]
 - Maven Dependencies
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 - mvnw.cmd
 - pom.xml
 - LoginDemo
 - Servers
 - shoesEcommerce
 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

update_employee.html

```
1 <!DOCTYPE html>
2 <html lang="en" xmlns:th="http://thymeleaf.org" >
3 <head>
4 <meta charset="ISO-8859-1">
5 <title> Employee Management System </title>
6 </head>
7 <body>
8 <h1>Update Employee</h1>
9
10 <form action="#" th:action="@{/saveEmployee}" th:object="${employee}" method="POST">
11
12 <input type="hidden" th:field="*{id}"/>
13
14 <input type="text" th:field="*{firstname}" >
15 <input type="text" th:field="*{lastname}" >
16 <input type="text" th:field="*{email}" >
17
18 <button type="submit">Update Employee</button>
19
20 </form><hr>
21 <hr>
22 <a th:href="@{/}">Back to Employee List</a>
23
24 </body>
25 </html>
```

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e-shoes - Employee/src/main/resources/templates/update_employee.html - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer

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- Employee (in LoginApi) [boot] [devtools]
 - src/main/java
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 - com.project.LoginApi.service
 - EmployeeService.java
 - EmployeeServiceImpl.java
 - src/main/resources
 - src/test/java
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 - pom.xml
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 - shoesEcommerce [boot] [devtools]
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update_employee.html

```
1 <!DOCTYPE html>
2 <html lang="en" xmlns:th="http://thymeleaf.org" >
3 <head>
4 <meta charset="ISO-8859-1">
5 <title> Employee Management System </title>
6 </head>
7 <body>
8 <h1>Update Employee</h1>
9
10 <form action="#" th:action="@{/saveEmployee}" th:object="${employee}" method="POST">
11
12 <input type="hidden" th:field="*{id}"/>
13
14 <input type="text" th:field="*{firstname}" >
15 <input type="text" th:field="*{lastname}" >
16 <input type="text" th:field="*{email}" >
17
18 <button type="submit">Update Employee</button>
19
20 </form><hr>
21 <hr>
22 <a th:href="@{/}">Back to Employee List</a>
23
24 </body>
25 </html>
```

application.properties

- EmployeeRepository.java
- Employee.java
- EmployeeController.java
- EmployeeService.java
- EmployeeServiceImpl.java
- index.html
- LoginApiApplication.java
- new_employee.html
- update_employee.html

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Type here to search

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e-shoes - Employee/src/main/resources/application.properties - Eclipse IDE

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 - shoesEcommerce
 - shoesEcommerce [boot] [devtools]
 - TestJava
 - UserAdmin

application.properties

```
1
2 server.port= 9091
3 spring.datasource.url=jdbc:mysql://localhost:3306/eproduct
4 spring.datasource.username=root
5 spring.datasource.password=root
6 spring.datasource.driver-class-name=com.mysql.cj.jdbc.Driver
7 spring.jpa.hibernate.ddl-auto=update
8
9 logging.level.org.hibernate.sql=DEBUG
10 logging.level.org.hibernate.type=trace
```

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