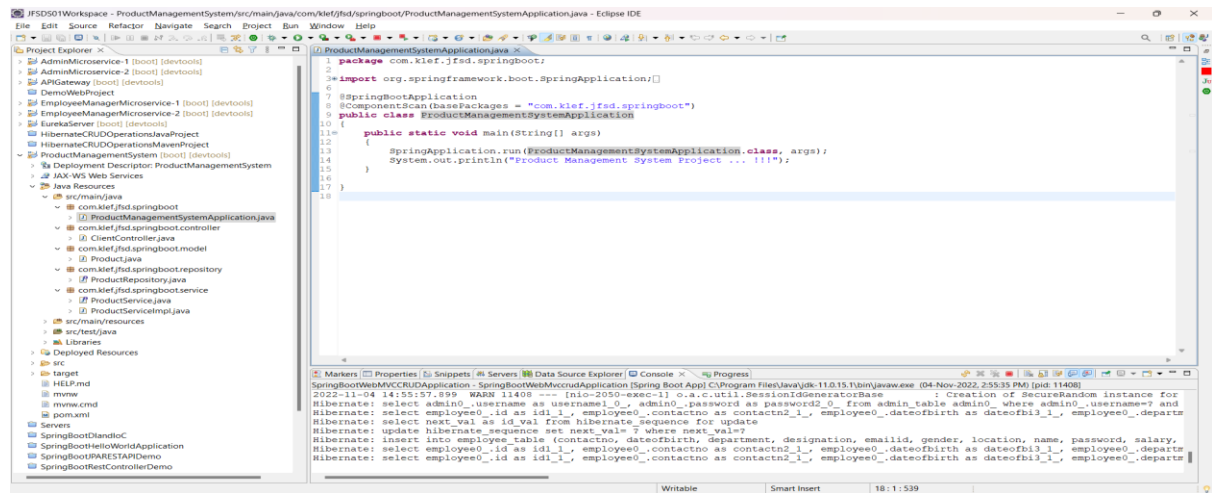


JAVA FULL STACK DEVELOPMENT

LAB-10

ID.NO:2000030185

ProductManagementSystemApplication.java



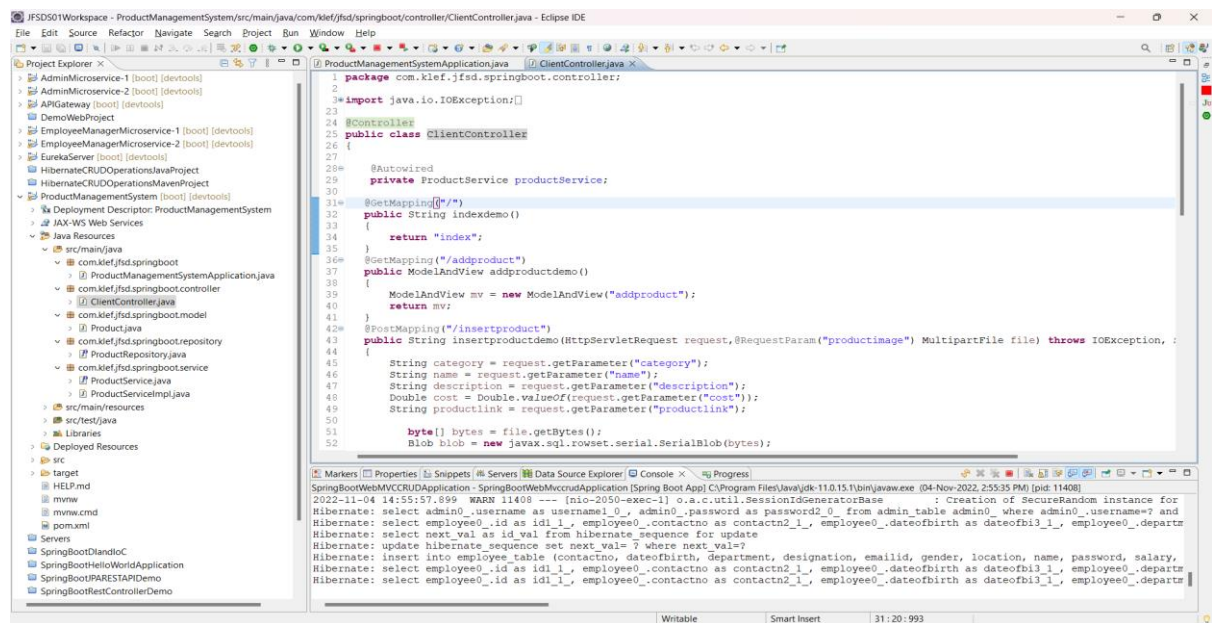
```
package com.klef.jfsd.springboot;

import org.springframework.boot.SpringApplication;
import org.springframework.boot.autoconfigure.SpringBootApplication;

@ComponentScan(basePackages = "com.klef.jfsd.springboot")
public class ProductManagementSystemApplication {

    public static void main(String[] args) {
        SpringApplication.run(ProductManagementSystemApplication.class, args);
        System.out.println("Product Management System Project ... !!!");
    }
}
```

ClientController.java



```
package com.klef.jfsd.springboot.controller;

import java.io.IOException;
import org.springframework.web.bind.annotation.*;

@Controller
public class ClientController {

    @Autowired
    private ProductService productService;

    @GetMapping("/")
    public String indexdemo() {
        return "index";
    }

    @GetMapping("/addproduct")
    public ModelAndView addproductdemo() {
        ModelAndView mv = new ModelAndView("addproduct");
        return mv;
    }

    @PostMapping("/insertproduct")
    public String insertproductdemo(HttpServletRequest request, @RequestParam("productimage") MultipartFile file) throws IOException {
        String category = request.getParameter("category");
        String name = request.getParameter("name");
        String description = request.getParameter("description");
        Double cost = Double.valueOf(request.getParameter("cost"));
        String productlink = request.getParameter("productlink");

        byte[] bytes = file.getBytes();
        Blob blob = new javax.sql.rowset.serial.SerialBlob(bytes);
    }
}
```

```
ProductManagementSystemApplication.java ClientController.java
67 public ModelAndView viewAllProducts()
68 {
69     List<Product> productList = productService.viewAllProducts();
70
71     ModelAndView mv = new ModelAndView("viewallproducts");
72
73     mv.addObject("productlist", productList);
74
75     return mv;
76 }
77
78 @GetMapping("/displayprodimage")
79 public ResponseEntity<byte[]> displayprodimage(@RequestParam("id") int id) throws IOException, SQLException
80 {
81     Product product = productService.viewProductById(id);
82     byte[] imageBytes = null;
83     imageBytes = product.getProductImage().getBytes(1, (int) product.getProductImage().length());
84
85     return ResponseEntity.ok().contentType(MediaType.IMAGE_JPEG).body(imageBytes);
86 }
87
88 @GetMapping("/viewproductbyid")
89 public ModelAndView viewproductbyid(@RequestParam("id") int id)
90 {
91     List<Product> productList = productService.viewAllProducts();
92     ModelAndView mv = new ModelAndView("viewproductbyid");
93     mv.addObject("productlist", productList);
94     return mv;
95 }
96
97 @PostMapping("/displayproduct")
98 public ModelAndView displayproductdemo(HttpServletRequest request)
99 {
100 }
```

Markers Properties Snippets Servers Data Source Explorer Console Progress

<terminated> SpringBootWebMVCApplication - SpringBootWebMVCApplication [Spring Boot App] C:\Program Files\Java\jdk-11.0.15\bin\java.exe (04-Nov-2022, 2:55:35 PM - 3:06:54 PM) [pid: 11408]

Hibernate: select employee0_id as idl_1, employee0_contactno as contactn2_1, employee0_dateofbirth as dateofb1_1, employee0_departm
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2022-11-04 15:06:53.409 INFO 11408 --- [n(17)-127.0.0.1] io.micronaut.runtime.application : Application shutdown requested.
2022-11-04 15:06:53.717 INFO 11408 --- [n(17)-127.0.0.1] o.apache.catalina.core.StandardService : Stopping service [Tomcat]
2022-11-04 15:06:53.723 INFO 11408 --- [n(17)-127.0.0.1] o.a.c.c.C.[Tomcat].[localhost].[/] : Destroying Spring FrameworkServlet 'di
2022-11-04 15:06:53.758 INFO 11408 --- [n(17)-127.0.0.1] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFactory for
2022-11-04 15:06:53.764 INFO 11408 --- [n(17)-127.0.0.1] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown initiated...
2022-11-04 15:06:53.779 INFO 11408 --- [n(17)-127.0.0.1] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown completed.

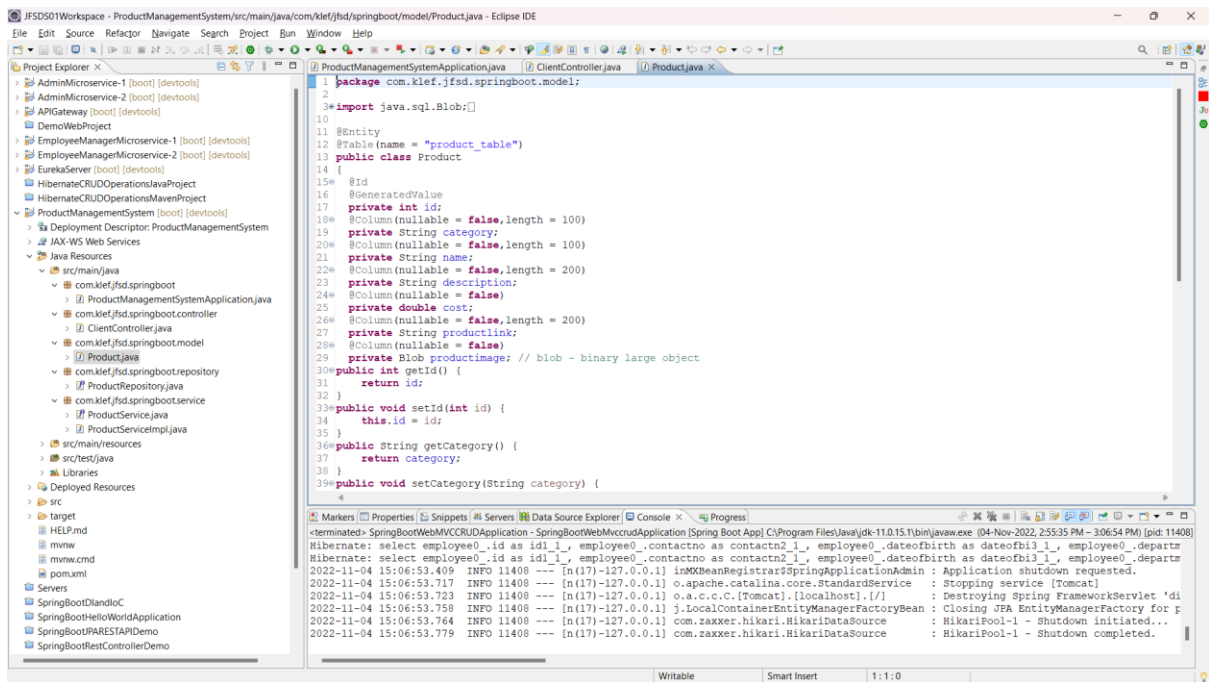
```
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76 }
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82     byte[] imageBytes = null;
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86 }
87
88 @GetMapping("/viewproductbyid")
89 public ModelAndView viewproductbyid(@RequestParam("id") int id)
90 {
91     List<Product> productList = productService.viewAllProducts();
92     ModelAndView mv = new ModelAndView("viewproductbyid");
93     mv.addObject("productlist", productList);
94     return mv;
95 }
96
97 @PostMapping("/displayproduct")
98 public ModelAndView displayproductdemo(HttpServletRequest request)
99 {
100     int pid = Integer.parseInt(request.getParameter("pid"));
101     Product product = productService.viewProductById(pid);
102     ModelAndView mv = new ModelAndView("displayproduct");
103     mv.addObject("product", product);
104     return mv;
105 }
106
107 }
108 }
```

Markers Properties Snippets Servers Data Source Explorer Console Progress

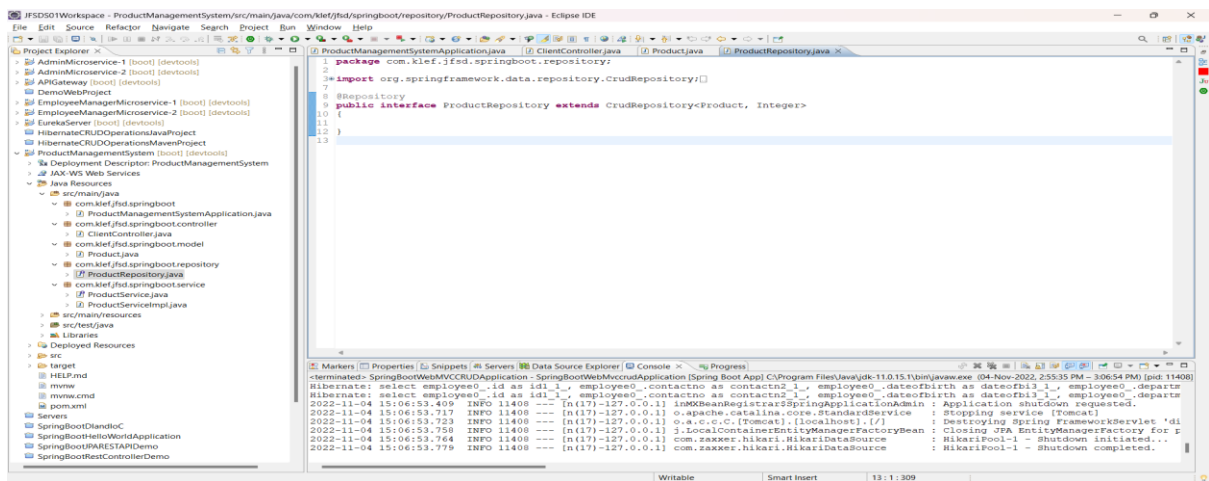
<terminated> SpringBootWebMVCApplication - SpringBootWebMVCApplication [Spring Boot App] C:\Program Files\Java\jdk-11.0.15\bin\java.exe (04-Nov-2022, 2:55:35 PM - 3:06:54 PM) [pid: 11408]

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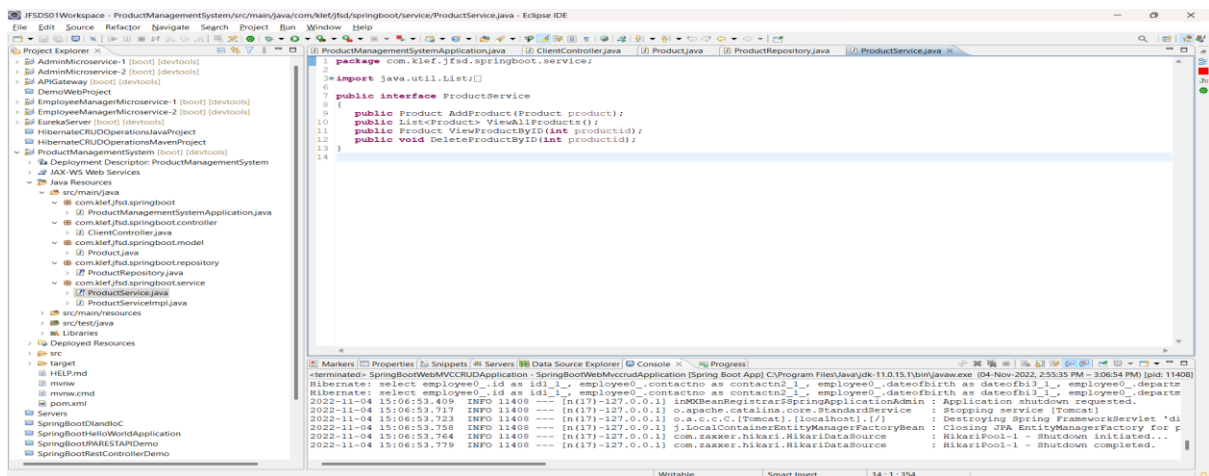
Product.java



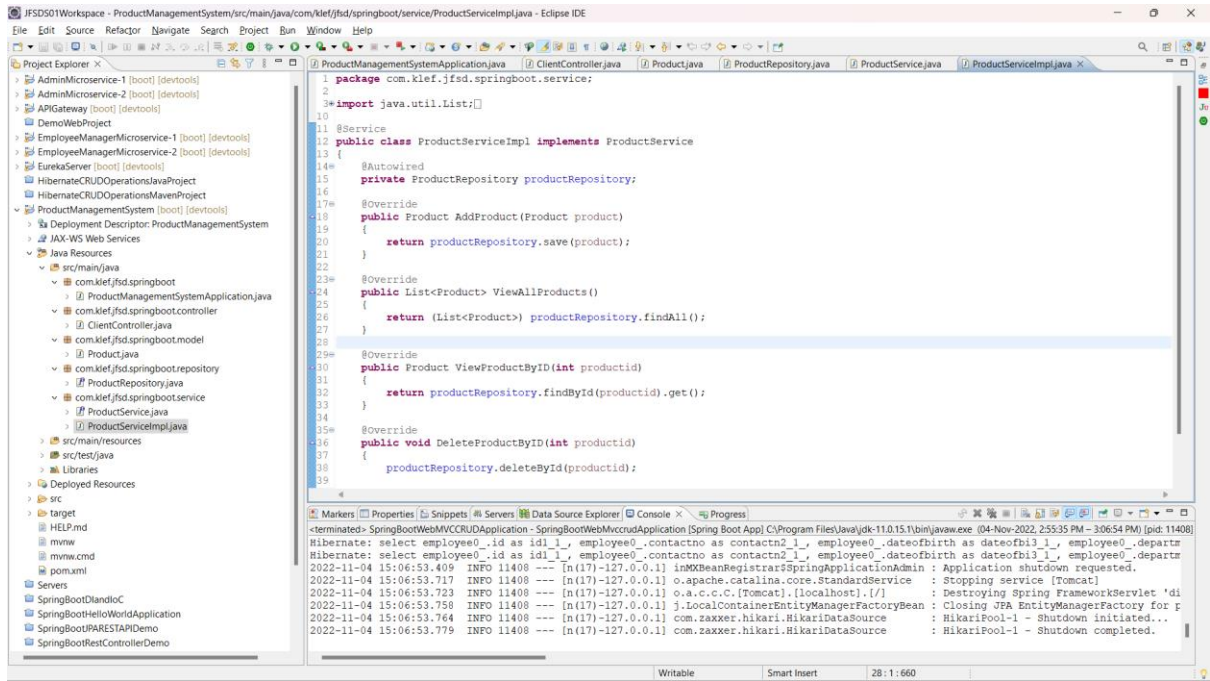
ProductRepository.java



ProductService.java



ProductServiceImpl.java



application.properties

