

com/greatlearning/customerDatabase/controller/CustomersController.java - Eclipse IDE

Project Run Window Help

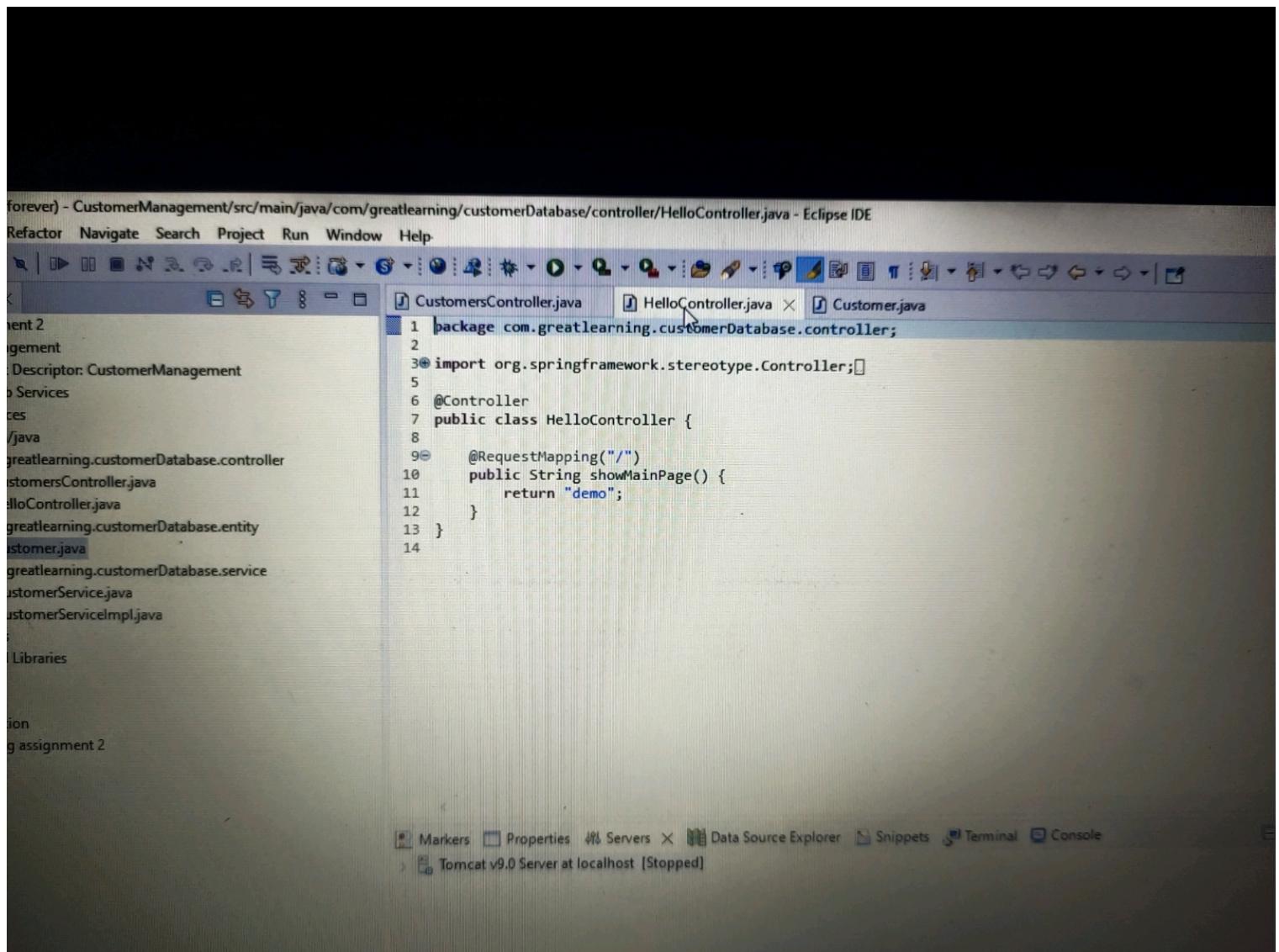
CustomersController.java

```
1 package com.greatlearning.customerDatabase.controller;
2
3 import java.util.List;
4
5 @Controller
6 @RequestMapping("/customers")
7 public class CustomersController {
8
9     @Autowired
10    private CustomerService customerService;
11
12    // add mapping for "/list"
13
14    @RequestMapping("/list")
15    public String listCustomers(Model theModel) {
16
17        // get Books from db
18        List<Customer> theCustomers = customerService.findAll();
19
20        // add to the spring model
21        theModel.addAttribute("Customer", theCustomers);
22
23        return "list-Customers";
24    }
25
26    @RequestMapping("/showFormForAdd")
27    public String showFormForAdd(Model theModel) {
28
29        // add attributes to the model
30        theModel.addAttribute("Customer", new Customer());
31
32        return "customer-form";
33    }
34
35    @RequestMapping("/addCustomer")
36    public String addCustomer(@ModelAttribute("Customer") Customer customer,
37                             Model theModel) {
38
39        // add customer to database
40        customerService.addCustomer(customer);
41
42        // redirect to list page
43        theModel.addAttribute("Customer", new Customer());
44        return "list-Customers";
45    }
46}
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console

> Tomcat v9.0 Server at localhost [Stopped]

Writable Smart Insert 1:1:0



Project Run Window Help

CustomerJava - Eclipse IDE

CustomersController.java HelloController.java Customer.java

```
1 package com.greatlearning.customerDatabase.entity;
2
3 import javax.persistence.Column;
4
5 @Entity
6 @Table(name = "customer")
7 public class Customer {
8
9     // define fields
10
11     @Id
12     @GeneratedValue(strategy = GenerationType.TABLE)
13     @Column(name = "id")
14     private int id;
15
16     @Column(name = "firstname")
17     private String firstname;
18
19     @Column(name = "lastname")
20     private String lastname;
21
22     @Column(name = "email")
23     private String email;
24
25     // define constructors
26
27 }
```

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The screenshot shows a Java IDE interface with the following details:

- Title Bar:** Displays two tabs: "CustomerService.java" and "CustomerServiceImpl.java".
- Code Editor:** Shows the content of "CustomerService.java".

```
1 package com.greatlearning.customerDatabase.service;
2
3+import java.util.List;
4
5 public interface CustomerService {
6     public List<Customer> findAll();
7
8     public Customer findById(int theId);
9
10    public void save(Customer theCustomer);
11
12    public void deleteById(int theId);
13
14    public List<Customer> searchBy(String firstname, String lastname);
15
16 }
17
18 }
```
- Bottom Navigation Bar:** Includes icons and labels for "Markers", "Properties", "Servers", "Data Source Explorer", "Snippets", "Terminal", and "Console".
- Servers View:** Shows a single entry: "Tomcat v9.0 Server at localhost [Stopped]".

```
1 package com.greatlearning.customerDatabase.service;
2
3 import java.util.List;
4
5 @Repository
6 public class CustomerServiceImpl implements CustomerService {
7
8     private SessionFactory sessionFactory;
9
10    // create session
11    private Session session;
12
13
14    @Autowired
15    CustomerServiceImpl(SessionFactory sessionFactory) {
16        this.sessionFactory = sessionFactory;
17        try {
18            session = sessionFactory.getCurrentSession();
19        } catch (HibernateException e) {
20            session = sessionFactory.openSession();
21        }
22    }
23
24    @Transactional
25    public List<Customer> findAll() {
26
27
28
29
30
31
32
33
34
35
36
37
```

Markers Properties Servers Data Source Explorer Snippets Terminal Console
Tomcat v9.0 Server at localhost [Stopped]

K7TotalSecurity

n/webapp/WEB-INF/spring-mvc-demo-servlet.xml - Eclipse IDE

File Window Help

CustomerService.java CustomerServiceImpl.java spring-mvc-demo-servlet.xml

```
17
18
19
20    <!-- Define Spring MVC viewResolver -->
21    <bean
22        class="org.springframework.web.servlet.view.InternalResourceViewResolver"
23        id="jspViewResolver">
24        <property name="viewClass"
25            value="org.springframework.web.servlet.view.JstlView"></property>
26        <property name="prefix" value="/WEB-INF/views/"></property>
27        <property name="suffix" value=".jsp"></property>
28    </bean>
29
30    <bean
31        class="org.springframework.jdbc.datasource.DriverManagerDataSource"
32        id="dataSource">
33        <property name="driverClassName"
34            value="com.mysql.jdbc.Driver"></property>
35        <property name="url"
36            value="jdbc:mysql://localhost:3306/customer_database"></property>
37        <property name="username" value="root"></property>
38        <property name="password" value="Sathishrj@5"></property>
39    </bean>
40
41    <bean id="sessionFactory"
```

Design Source

Markers Properties Servers Data Source Explorer Snippets Terminal Console

Tomcat v9.0 Server at localhost [Stopped]

eclipse-workspace(forever) - CustomerManagement/src/main/webapp/WEB-INF/spring-mvc-demo-servlet.xml

File Edit Source Source Navigate Search Project Run Window Help

Project Explorer CustomerService.java

coding assignment 2

CustomerManagement

- > Deployment Descriptor: CustomerManagement
- > JAX-WS Web Services
- > Java Resources
 - > src/main/java
 - > com.greatlearning.customerDatabase.controller
 - > CustomersController.java
 - > HelloController.java
 - > com.greatlearning.customerDatabase.entity
 - > Customer.java
 - > com.greatlearning.customerDatabase.service
 - > CustomerService.java
 - > CustomerServiceImpl.java
 - > Libraries
 - > Referenced Libraries
 - > build