

Barnessp

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Enterprise Java

Webpage - index

Lecture 3-1 Injection and IoC - PRO

Exercises 3-1 Injection and IoC - PR

Intake Form

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http://localhost:8080

D2L Slate

W3Schools Online...

Game Boy / GBC - P...

awsacademy.com/vf...

Sheridan College - ...

Cengage Learning

Patient ID:

Patient Name:

Doctor ID:

Patient History:

Submit

Index html

Enterprise Java - ex31_injectionAndRepositories/src/main/resources/templates/index.html - Eclipse IDE

File Edit Source Source Navigate Search Project Run Copilot Window Help

Project Explorer

working.html

application.properties

src/test/java

JRE System Library [JavaSE-21]

Maven Dependencies

src

target

HELP.md

mvnw

mvnw.cmd

pom.xml

ex31_injectionAndRepositories (boot)

src/main/java

ca.sheridancollege.barnessp

Ex31InjectionAndRepositoriesApplication.java

Ex31InjectionAndRepositoriesApplication

main(String[]) void

ca.sheridancollege.barnessp.beans

Patient.java

ca.sheridancollege.barnessp.controllers

ca.sheridancollege.barnessp.repositories

PatientList.java

PatientListImpl.java

src/main/resources

static

templates

index.html

working.html

application.properties

src/test/java

JRE System Library [JavaSE-21]

Maven Dependencies

src

target

HELP.md

mvnw

mvnw.cmd

pom.xml

PatientController.java

index.html

Patient.java

PatientList.java

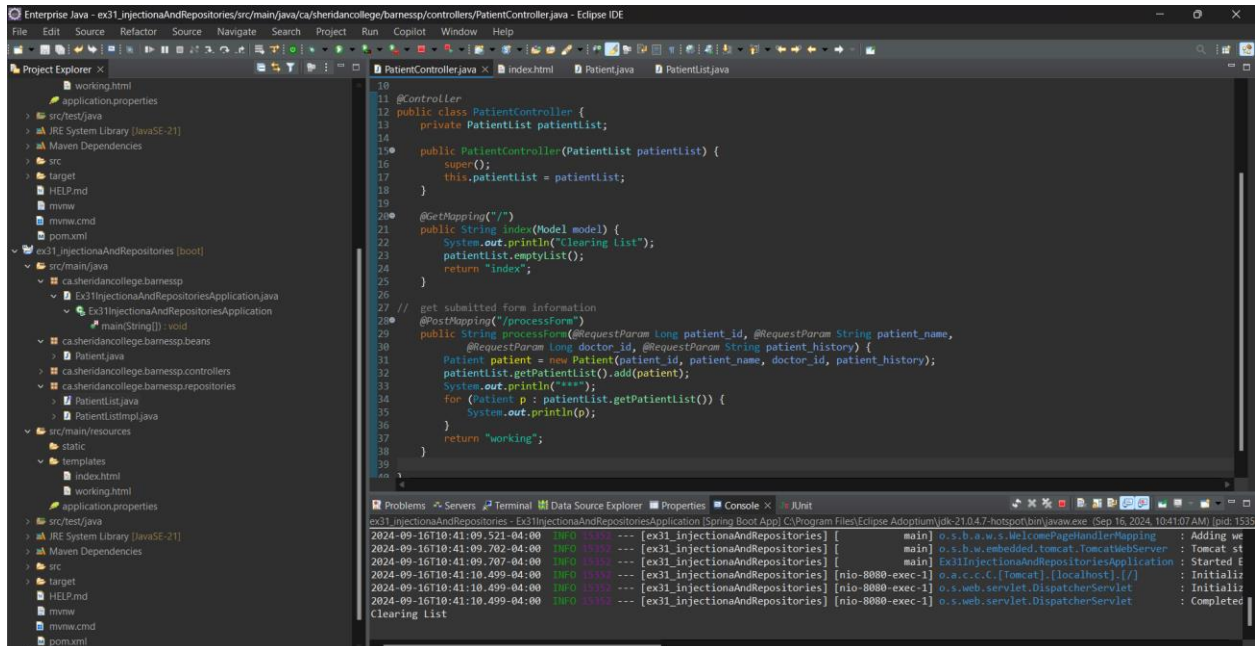
```
14 }
15
16 .form-grid label {
17     grid-column: 1;
18     text-align: left;
19     padding-left: 0px;
20 }
21
22 .form-grid input {
23     grid-column: 2;
24     padding-left: 0px;
25     text-align: left;
26     margin-left: 0;
27     margin-right: 1000px;
28 }
29
30 </style>
31 </head>
32 <body>
33
34     <form method="post" action="/processForm">
35     <div class="form-grid">
36         <label>Patient ID:</label><input type="number" name="patient_id"><br>
37         <label>Patient Name:</label><input type="text" name="patient_name"><br>
38         <label>Doctor ID:</label><input type="number" name="doctor_id"><br>
39         <label>Patient History:</label><input type="text" name="patient_history"><br></div>
40         <input type="submit" value="Submit">
41     </form>
42
43 </body>
44 </html>
45
```

Problems Servers Terminal Data Source Explorer Properties Console JUnit

ex31_injectionAndRepositories - Ex31InjectionAndRepositoriesApplication [Spring Boot Appl C:\Program Files\Eclipse Adoptium\jdk-21.0.4-hotspot\bin\java.exe (Sep 16, 2024, 10:41:07 AM) [pid: 1535]

2024-09-16T10:41:09.521-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding we
2024-09-16T10:41:09.702-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat st
2024-09-16T10:41:09.707-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [main] Ex31InjectionAndRepositoriesApplication : Started E
2024-09-16T10:41:10.499-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [nio-8080-exec-1] o.s.c.c.c.[Tomcat].[localhost].[/] : Initializ
2024-09-16T10:41:10.499-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializ
2024-09-16T10:41:10.499-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Completed
Clearing List

Patient Controller



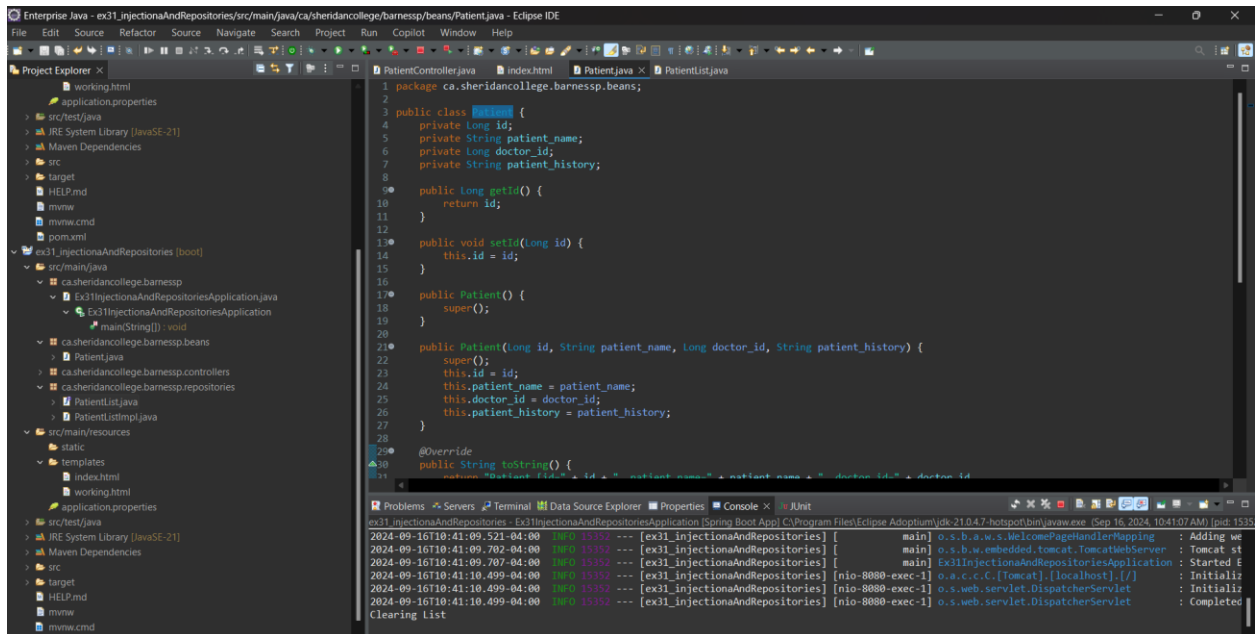
The screenshot shows the Eclipse IDE with the `PatientController.java` file open. The code defines a `@Controller` class `PatientController` with a `patientList` attribute of type `PatientList`. It includes a constructor, a `getIndex` method, and a `processForm` method. The `processForm` method takes `patient_id`, `patient_name`, `doctor_id`, and `patient_history` as parameters, adds a new `Patient` object to the `patientList`, and returns `working`. The console output shows the application starting, clearing the list, and processing a form.

```
10 @Controller
11 public class PatientController {
12     private PatientList patientList;
13
14     public PatientController(PatientList patientList) {
15         super();
16         this.patientList = patientList;
17     }
18
19     @GetMapping("/")
20     public String index(Model model) {
21         System.out.println("Clearing List");
22         patientList.emptyList();
23         return "index";
24     }
25
26     // get submitted form information
27     @PostMapping("/processForm")
28     public String processForm(@RequestParam Long patient_id, @RequestParam String patient_name,
29                             @RequestParam Long doctor_id, @RequestParam String patient_history) {
30         Patient patient = new Patient(patient_id, patient_name, doctor_id, patient_history);
31         patientList.getPatientList().add(patient);
32         System.out.println("*****");
33         for (Patient p : patientList.getPatientList()) {
34             System.out.println(p);
35         }
36         return "working";
37     }
38 }
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Console Output:

```
2024-09-16T10:41:09.521-04:00 INFO --- [ex31_injectionAndRepositories] [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding we
2024-09-16T10:41:09.702-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat st
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2024-09-16T10:41:10.499-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializ
Clearing List
```

Patient.java



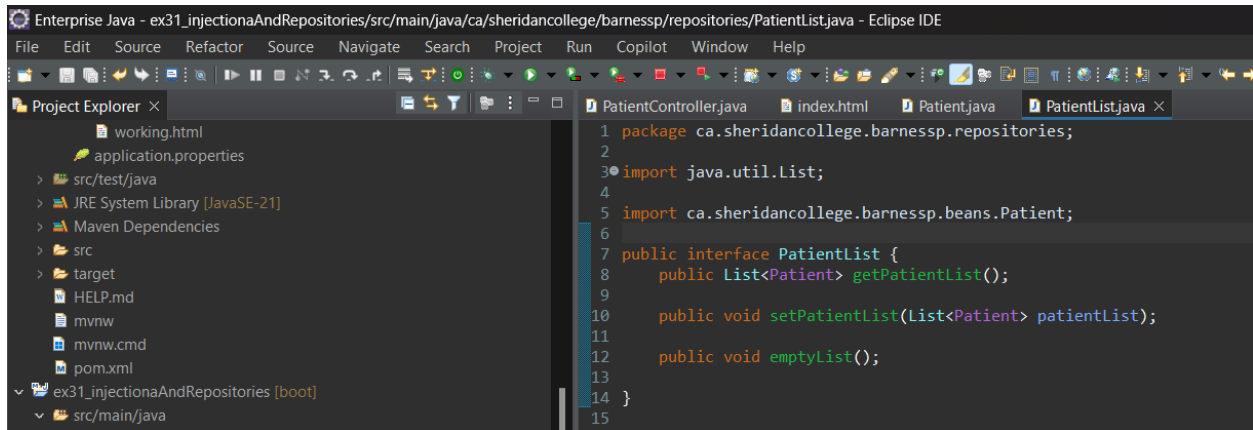
The screenshot shows the Eclipse IDE with the `Patient.java` file open. The code defines a `Patient` class with attributes `id`, `patient_name`, `doctor_id`, and `patient_history`. It includes a `getId` method, a `setId` method, a constructor, and a `toString` method. The `toString` method returns a string representation of the patient object. The console output shows the application starting, clearing the list, and processing a form.

```
1 package ca.sheridancollege.barnessp.beans;
2
3 public class Patient {
4     private Long id;
5     private String patient_name;
6     private Long doctor_id;
7     private String patient_history;
8
9     public Long getId() {
10         return id;
11     }
12
13     public void setId(Long id) {
14         this.id = id;
15     }
16
17     public Patient() {
18         super();
19     }
20
21     public Patient(Long id, String patient_name, Long doctor_id, String patient_history) {
22         super();
23         this.id = id;
24         this.patient_name = patient_name;
25         this.doctor_id = doctor_id;
26         this.patient_history = patient_history;
27     }
28
29     @Override
30     public String toString() {
31         return "Patient {id=" + id + ", patient_name=" + patient_name + ", doctor_id=" + doctor_id
32     }
33 }
34
35
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```

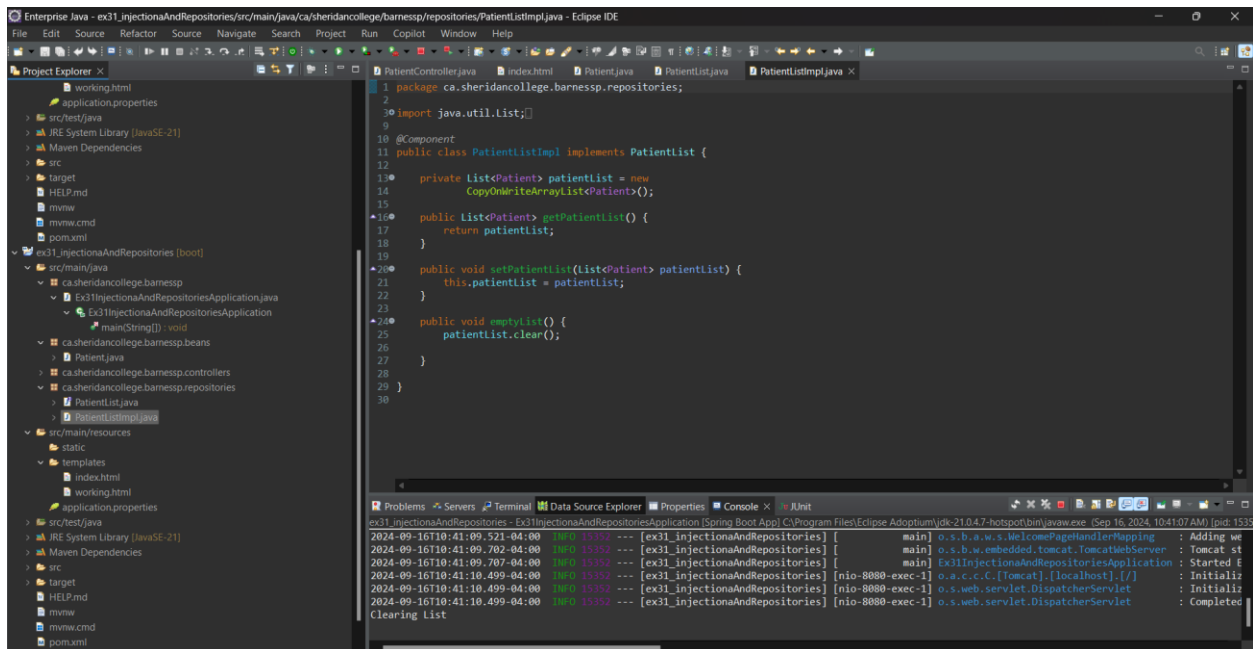
Console Output:

```
2024-09-16T10:41:09.521-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding we
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2024-09-16T10:41:10.499-04:00 INFO 15352 --- [ex31_injectionAndRepositories] [nio-8080-exec-1] o.s.web.servlet.DispatcherServlet : Initializ
Clearing List
```

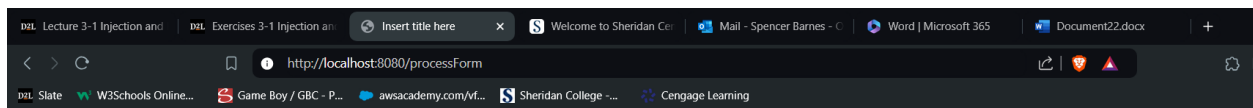
Patientlist



PatientListImpl



Working



It Worked! Exactly as expected

[Home](#)

Output

