

Lab 5.1

Convert your Spring application to ONLY use Java Configuration

Create a configuration class
`com.student.config`.

`ApplicationConfig`

Define two factory methods for
`StudentDaoImpl` and service `DaoImpl`
(these are the new BeanDefinitions)

Annotate the new config class with
`@Configuration`

Inject into it the number of students
i.e. `@Value("2")`

`private int numberOfStudents;`

Annotate your factory methods with
`@Bean`

For the `studentServiceImpl`, inject the
`numberOfStudents` and `StudentDao`
through setters that you must add
back into your `studentServiceImpl`
factory method

Lab 5.1

Remove your XML

In the test class, use a new context i.e.

```
private AnnotationConfigApplicationContext context;
```

Create it by using;

```
context = new  
AnnotationConfigApplicationContext(ApplicationConfig.class);
```

Complete the
implementation in
the test class to find a
single student by its id

Lab 5.2

Convert your test class to make it a Spring managed JUnit

```
@ExtendWith(SpringExtension.class)
```

```
@ContextConfiguration(classes=ApplicationConfig.class)
```

Remove all code that create the context and replace it by injecting into the JUnit your StudentService instance instead

i.e.

```
@Inject private StudentService service;
```