

## Injecting Mocks with Mockito

```
package guru.springframework.sfgpetclinic.services.springdatajpa;

import guru.springframework.sfgpetclinic.repositories.SpecialtyRepository;
import org.junit.jupiter.api.Test;
import org.junit.jupiter.api.extension.ExtendWith;
import org.mockito.InjectMocks;
import org.mockito.Mock;
import org.mockito.junit.jupiter.MockitoExtension;

import static org.junit.jupiter.api.Assertions.*;

@ExtendWith(MockitoExtension.class)
class SpecialitySDJpaServiceTest {

    @Mock
    SpecialtyRepository specialtyRepository;

    @InjectMocks
    SpecialitySDJpaService service; // Mockito is being told to create instance of
    it and inject it.

    @Test
    void deleteById() {
        service.deleteById(1l);
    }

    @Test
    void testDelete() {
        service.delete(new Speciality());
    }

}
```

If you inspect you can see service has mockInspector. Service has been created and specialtyRepository instance has been into it.

Mockito is smart enough to see there is mock instance needed in service constructor, so it will inject that.

Each test will get brand new object of mock...