## ASSIGNMENT QUESTION 13 UNIT TEST CASES

package com.q8;
import static org.mockito.Mockito.when;
import java.util.Optional;
import java.util.stream.Collectors;
import java.util.stream.Stream;
import org.junit.Test;
import org.junit.runner.RunWith;
import organica annermanivital,
in and static and according to the second se
import static org.assertj.core.api.Assertions.fail;
import static org.junit.Assert.assertEquals;
import static org.junit.Assert.assertNotEquals;
import static org.junit.Assert.assertNotNull;
import static org.junit.Assert.assertThrows;
$import\ org. spring framework. beans. factory. annotation. Autowired;$
$import\ org. spring framework. boot. test. context. Spring Boot Test;$
$import\ org. spring framework. boot. test. mock. mock ito. Mock Bean;$
$import\ org. spring framework. test. context. junit 4. Spring Runner;$
import static org.junit.Assert.fail;
import com.q8.exception.MovieException;
import com.q8.exception.MovieRequestException;

```
import com.q8.model.Movie;
import com.q8.repository.MovieRepository;
import com.q8.service.MovieService;
@SpringBootTest
@RunWith(SpringRunner.class)
public class Q8ApplicationTests {
       @Autowired
       MovieService service;
       @MockBean
       MovieRepository repository;
        @Test
        public void findAllTest()
        when (repository. find All ()). then Return (Stream. of
          (new Movie(1,"master",3),new Movie(2,"RRR",4),new Movie(3,"KGF-2",4),new
Movie(4,"Beast",4))
          .collect(Collectors.toList()));
        assertEquals(4,service.getAllMovies().size());
        }
        @Test
        public void saveTest()
        {
        Movie movie = new Movie(1,"Beast",4);
    when(repository.save(movie)).thenReturn(movie);
```

```
assertEquals(movie,service.addMovie(movie));
   }
   @Test
   public void asserNot()
   {
    Movie movie = new Movie(1,"Beast",4);
    Movie movieOne = new Movie(2,"rrr",3);
when(repository.save(movie)).thenReturn(movie);
    assertNotEquals(movie,service.addMovie(movieOne));
   }
   @Test
   public void findByIdTest()
   {
           Movie movie = new Movie(1, "RRR",3);
                  when(repository.findById(1)).thenReturn(Optional.of(movie));
   }
    @Test
    public void notNull(){
      Movie movie = new Movie(1,"master",4);
       assertNotNull(movie);
     }
```

```
@Test
                                  public void movieExceptionTest() {
                                  Movie one = new Movie(1,"rrr",3);
                                  Movie two = new Movie(2,"fff",4);
                                  service.addMovie(one);
                                  service.addMovie(two);
            MovieRequestException movieException = assertThrows(MovieRequestException.class,
                                  () -> service.getmovie(3));
           assertEquals("movie not found with this id ::", movieException.getMessage());
                                  }
aworkspace-spring-tool-suite-4-4.12.1.RELEASE - Qn. 8/src/test/java/com/q8/Q8ApplicationTests.java - Spring Tool Suite 4
                                                                                                                                                                                                                                                                                                                                                                                          O
File Edit Source Refactor Navigate Search Project Run Window Help
 2 Description Movie Particular Movie Service Movie Service
■ Package Explorer JUnit ×
                                                  0 .0 A B 0 . 0 . B E - 1
                                                                                                           1 package com.q8;
Finished after 3.85 seconds
                               Errors: 0
                                                                                                             4*import static org.mockito.Mockito.when;
                                                                                                      30
31 @SpringBootTest

→ Bi Q8ApplicationTests [Runner: JUnit 5] (0.059 s)

                                                                                                         32 @RunWith(SpringRunner.class)
33 public class Q8ApplicationTests {

    asserNot (0.003 s)

                                                                                                                          MovieService service;

☐ findAllTest (0.005 s)
         findByldTest (0.004 s)
                                                                                                                          @MockBean
MovieRepository repository;
 Failure Trace
                                                                                                          418
                                                                                                                                public void findAllTest()
{
                                                                                                                              when(repository.findAl1()).thenReturn(Stream.of
  (new Movie(1, "master", 3), new Movie(2, "RRR", 4), new Movie(3, "KGF-2", 4), new Movie(4, "Beast", 4))
  .collect(Collectors.totist());
assertEquals(4, service.getAllMovies().size());
                                                                                                     ☼ Problems 

Javadoc 

Declaration 

Console 

Progress 

Servers 

Debug
Boot Dashboard ×
                               **CProblems ** Javadoc & Declaration **Diconsole ** ** Progress ** Servers **Debug ** Cerminated *> Qn_8 [Unit] C.\; dxl.18.0.32\\ bin\; avaw.exe (Mar 29, 2022, 12-2631 PM - 12-2637 PM)  

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:529) ~*[.cp/:na]  

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.runTests(RemoteTestRunner.java:756) ~*[.cp/:na]  

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.in(RemoteTestRunner.java:210) ~*[.cp/:na]  

at org.eclipse.jdt.internal.junit.runner.RemoteTestRunner.main(RemoteTestRunner.java:210) ~*[.cp/:na]
 Type tags, projects, or working set names to match (incl. *
                                                                                                     2022-03-29 12:26:36.968 INFO 24724 --- [ionShutdownHook] j.LocalContainerEntityManagerFactoryBean : Closing JPA EntityManagerFa 2022-03-29 12:26:36.969 INFO 24724 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown ini 2022-03-29 12:26:36.978 INFO 24724 --- [ionShutdownHook] com.zaxxer.hikari.HikariDataSource : HikariPool-1 - Shutdown com
                                                                                                                                                                                                                                                                                                                                           : HikariPool-1 - Shutdown ini
: HikariPool-1 - Shutdown com
 1 elements hidden by filter
                                                                                                                                                                                                                                                                          33:34:1035
                 Type here to search
```