@DataJpaTest - Annotation

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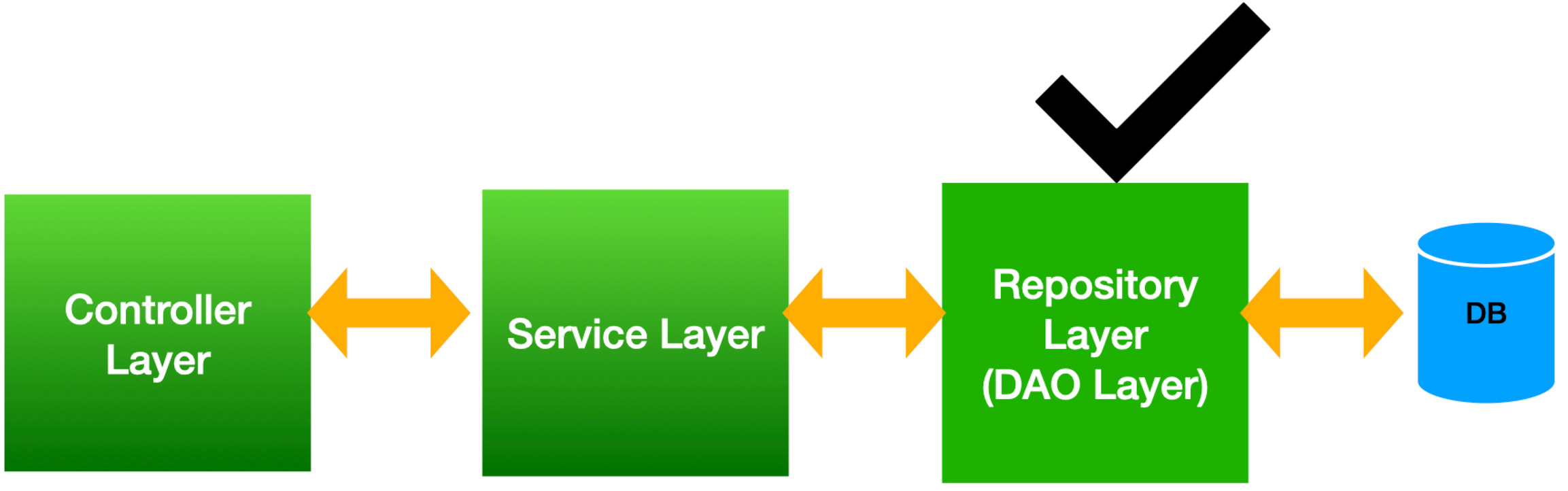
JUnit Tests for Spring Data JPA



@DataJpaTest - annotation

Spring Boot provides the @DataJpaTest annotation to test the persistence layer components that will autoconfigure in-memory embedded database for testing purposes.

The @DataJpaTest annotation doesn’t load other Spring beans (@Components, @Controller, @Service, and annotated beans) into ApplicationContext.

By default, it scans for @Entity classes and configures Spring Data JPA repositories annotated with @Repository annotation

By default, tests annotated with @DataJpaTest are transactional and roll back at the end of each test.

@DataJpaTest - annotation

To test Spring Data JPA repositories or any other JPA-related components for that matter, Spring Boot provides the @DataJpaTest annotation.

```
@ExtendWith(SpringExtension.class)
@DataJpaTest
class UserEntityRepositoryTest {

    @Autowired private DataSource dataSource;
    @Autowired private JdbcTemplate jdbcTemplate;
    @Autowired private EntityManager entityManager;
    @Autowired private UserRepository userRepository;

    @Test
    void injectedComponentsAreNotNull(){
        assertThat(dataSource).isNotNull();
        assertThat(jdbcTemplate).isNotNull();
        assertThat(entityManager).isNotNull();
        assertThat(userRepository).isNotNull();
    }
}
```