# Progetto di Ingegneria del software Anno accademico 2018/2019



Carcheck



Tabella Componenti		
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D'Auria	Aldo	0512104594
De Falco	Daniele	0512104666
lacovazzo	Giovanni	0512104774

#### 1. Test di unità

#### 1.1 AddressManager

```
- -
陷 Project Explorer 🛭
                                                                                                                                                                                                                                                                                                                                                                                          ActionFactory.j

    WorkshopInspect
    WorkshopInspect

☑ AddressManagerT 
☒
                                                                                                                      1 package it.carcheck.testing;

▼ Property State  

▼ CarCheck [Carcheck development  

▼ CarCheck [Carcheck development  

▼ Property State  

▼ Propert
                                                                                                                      3⊕import java.util.ArrayList; ...
                 🛅 Deployment Descriptor: CarChec
          > A JAX-WS Web Services
         🗸 🅦 Java Resources
                                                                                                                   13 public class AddressManagerTesting extends TestCase {
                  🗸 📇 > src
                                                                                                                   14
                          > # > it.carcheck
                                                                                                                                             public AddressManagerTesting(String name) {
                                                                                                                  15⊜
                          > 🖶 > it.carcheck.control
                                                                                                                  16
                                                                                                                                                            super(name);
                          > 📠 it.carcheck.control.except
                                                                                                                  17
                          > 🚠 it.carcheck.control.interfa
                                                                                                                  18
                          > 🚠 it.carcheck.control.reque
                                                                                                                   19⊜
                                                                                                                                             @Override
                               it.carcheck.control.service
                                                                                                                 20
                                                                                                                                             protected void setUp() throws Exception {
                          > 🏭 it.carcheck.database
                                                                                                                   21
                                                                                                                                                            CarcheckDatabase.begin(new CarcheckConfiguration());
                                 it.carcheck.model
                                                                                                                                                            this.manager = AddressManager.getInstance();
                                                                                                                   22
                                 it.carcheck.model.bean
                                                                                                                   23
                          > 🏭 it.carcheck.model.bean.e
                                                                                                                  24
                          > 🏭 it.carcheck.model.interfa
                                                                                                                  25⊜
                                 - it.carcheck.testing
                                                                                                                                             protected void tearDown() throws Exception {
                                  AddressManagerTe
                                                                                                               426
                                                                                                              <u>@</u>27
                                                                                                                                                            // TODO Auto-generated method stub
                                               🕞 > AddressManage
                                         AdhesionRequestMar
                                                                                                                  28
                                                                                                                                                            super.tearDown();
                                                                                                                   29
                                         AdminManagerTestin
                                         AllTests.java
                                                                                                                   30
                                         CityManagerTesting.j
                                                                                                                   31⊖
                                                                                                                                             public void getAddressByKey() throws Exception {

☐ FastCrudTesting.java

                                                                                                                                                            AddressBean bean = manager.getAddressByKey(14688226);
                                                                                                                   32
                                         PeopleManagerTestin
                                                                                                                   33
                                                                                                                                                            assertNotNull(bean);
                                         ProvinceManagerTest
                                                                                                                                                            assertEquals(bean.getId(), 14688226);
                                                                                                                   34
                                         RegionManagerTestin
                                         VehicleComplaintHist
                                         VehicleComplaintMar
                                                                                                              🔝 Markers 👫 Servers 🛍 Data Sourc 🔓 Snippets 📮 Console 🔫 Progress 🔗 Search 🕣 JUnit 🛭

→ VehicleInspectionMar

                                                                                                                                                                                                                                                                                          VehicleManagerTestin
                                                                                                              Finished after 0,964 seconds

→ WorkshopAdhesionM

☐ WorkshopManagerTe

                                                                                                                 Runs: 3/3
                                                                                                                                                               Errors: 0

■ Failures: 0

                           > 🖶 it.carcheck.utility
                                 it.dsoft.fastcrud
                                                                                                               🗸 🏣 it.carcheck.testing.AddressManagerTesting [Runner: Jl 🗏 Failure Trace
                                 it.dsoft.fastcrud.core
                                                                                                                               getAddressByKey (0,850 s)
                                 it.dsoft.fastcrud.core.ann
                                                                                                                               getFullAddressByName (0,009 s)
                                 # it.dsoft.fastcrud.core.enu
                                                                                                                               getAddressByName (0,064 s)
                                 it.dsoft.fastcrud.core.inte
                                 it.dsoft.fastcrud.enums
```

## 1.2 AdhesionRequestManager

```
Project Explorer 🖾
                                                      AddressManagerT
                                                                                                          🗾 AdhesionRequest 🖾 🔃 EmailSender.jav
                                                                                                                                                                                                                                             17 public class AdhesionRequestManagerTesting extends TestCase {

▼ Property State  

▼ CarCheck [Carcheck development  

▼ CarCheck [Carcheck development  

▼ Property State  

▼ Propert
                                                                                           public AdhesionRequestManagerTesting(String name) {
      > 🛅 Deployment Descriptor: CarChec
                                                                         190
      > A JAX-WS Web Services
                                                                          20
                                                                                                     super(name);
      Java Resources
                                                                         21
           22
                > # > it.carcheck
                                                                          23⊜
                                                                                           @Override
                    # > it.carcheck.control
                                                                                           protected void setUp() throws Exception {
                                                                         24
                > 📠 it.carcheck.control.except
                                                                          25
                                                                                                     CarcheckDatabase.begin(new CarcheckConfiguration());
                > 🚠 it.carcheck.control.interfa
                                                                          26
                                                                                                     this.manager = AdhesionRequestManager.getInstance();
                    # it.carcheck.control.reque
                                                                          27
                > 📠 it.carcheck.control.service
                                                                          28
                    it.carcheck.database
                                                                          29⊝
                                                                                           @Override
                    it.carcheck.model
                                                                         30
                                                                                           protected void tearDown() throws Exception {
                > # it.carcheck.model.bean
                                                                                                     // TODO Auto-generated method stub
                                                                         31
                    it.carcheck.model.bean.e
                                                                                                     super.tearDown();
                    it.carcheck.model.interfa
                                                                         33
                it.carcheck.testing
                                                                          34
                         AddressManagerTe
                                                                                           public void doSetState() throws Exception {
                              AddressManage
                                                                         35⊜
                                                                                                     ArrayList<AdhesionRequestBean> beans = manager.doFind("s
                     > AdhesionRequestM
                                                                         36
                     > 🖟 AdminManagerTestin
                                                                         37
                                                                                                     assertNotNull(beans);
                     > AllTests.java
                                                                         38
                          CityManagerTesting.j
                                                                         39
                                                                                                     AdhesionRequestBean bean = beans.get(0);
                         FastCrudTesting.java
                                                                         40
                                                                                                     manager.doSetState(bean, 1);
                         PeopleManagerTestin
                                                                         41
                          ProvinceManagerTest
                                                                                                     ArrayList<AdhesionRequestBean> resultBeans = manager.doF
                                                                         42
                         RegionManagerTestin
                                                                                                     assertNotNull(heans).
                         VehicleComplaintHist
                         VehicleComplaintMar
                                                                    🔝 Markers 👫 Servers 睷 Data Source Explorer 🖺 Snippets न Progress 🔗 Search 🗗 JUnit 🛭
                     > A VehicleInspectionMar
                                                                                                                                                                                     > 🖟 VehicleManagerTestin

☑ WorkshopAdhesionM

                                                                    Finished after 0,801 seconds
                         WorkshopManagerTe
                                                                       Runs: 6/6
                                                                                                   Errors: 0
                                                                                                                                  ■ Failures: 0
                > # it.carcheck.utility
                    it.dsoft.fastcrud
                                                                      it.carcheck.testing.AdhesionRequestManagerTesting [ = Failure Trace
                    it.dsoft.fastcrud.core
                                                                               doSetState (0,385 s)
                    it.dsoft.fastcrud.core.ann
                                                                               doRetrieveByAdminId (0,000 s)
                    it.dsoft.fastcrud.core.enu
                                                                               doRetrieveByCode (0,000 s)
                     it.dsoft.fastcrud.core.inte
                                                                               doApproveRequest (0,368 s) doApproveRequest (0,368 s)
                    it.dsoft.fastcrud.enums
                                                                               doRejectRequest (0,000 s)
                    it.dsoft.fastcrud.exception
                                                                               doSetRequestAppointment (0,016 s)
```

#### 1.3 AdminManager

```
- -
                                                     - -
Project Explorer 🖾
                                                                    AdhesionRequest
                                                                                                       ☑ EmailSender.jav

☑ AdminManagerTes 
☒

                                      34⊜
                                                                                          public void doLogin() throws Exception {

→ Primary > CarCheck [Carcheck development → Primary | Carcheck | Carche
                                                                         35
                                                                                                   AdminBean bean = manager.doLogin("kekkox@live.it",
         1 Deployment Descriptor: CarChec
                                                                                                   assertNotNull(bean);
         JAX-WS Web Services
                                                                                                   assertEquals(bean.getEmail(), "kekkox@live.it");
                                                                        37
     38
                                                                                                   assertEquals(bean.getPassword(), PasswordHasher.Encrypt(
          39
               > 🖶 > it.carcheck
                                                                         40
                > # > it.carcheck.control
                                                                        419
                                                                                          public void doChangePassword() throws Exception {
                > 🚠 it.carcheck.control.except
                                                                                                   ArrayList<AdminBean> admins = manager.doFind("select * f
                                                                        42
                   it.carcheck.control.interfa
                                                                        43
                                                                                                   assertNotNull(admins);
                > # it.carcheck.control.reque
                                                                        44
                > 📠 it.carcheck.control.servic
                                                                                                   AdminBean admin = admins.get(0);
                                                                         45
                   it.carcheck.database
                                                                        46
                                                                                                   assertNotNull(admin);
                > # it.carcheck.model
                                                                        47
                > 🏭 it.carcheck.model.bean
                                                                                                   manager.doChangePassword(admin, "newPass");
                                                                        48
               > 🏭 it.carcheck.model.bean.e
                                                                         49
                it.carcheck.model.interfa
                                                                                                   ArrayList<AdminBean> finalAdmins = manager.doFind("selec
                it.carcheck.testing
                                                                         50
                     AddressManagerTe
                                                                        51
                                                                                                   assertNotNull(finalAdmins);
                             🕞 > AddressManage
                                                                         52
                         AdhesionRequestM
                                                                                                   AdminBean finalAdmin = finalAdmins.get(0);
                                                                        53
                     > 📝 > AdminManagerTest
                                                                        54
                                                                                                   assertNotSame(admin.getPassword(), finalAdmin.getPasswor
                         AllTests.java
                                                                        55
                     > A CityManagerTesting.j
                                                                         56

☐ FastCrudTesting.java

                                                                         57⊝
                                                                                          public void doRetrieveByEmail() throws Exception {
                         PeopleManagerTestin
                     > A ProvinceManagerTest
                                                                                                                                                                                                                                          П
                              RegionManagerTestin
                                                                   🔝 Markers 👭 Servers 屆 Snippets 🔫 Progress 🔗 Search 🕡 JUnit 🛭
                              VehicleComplaintHist

☑ VehicleComplaintMar

                                                                   Finished after 0,814 seconds
                         VehicleInspectionMar
                         VehicleManagerTestin
                                                                     Runs: 8/8
                                                                                                  Errors: 0
                                                                                                                                ■ Failures: 0
                     > MorkshopAdhesionM
                                                                     🗸 🏣 it.carcheck.testing.AdminManagerTesting [Runner: JU 💻 Failure Trace
                     > 🚹 WorkshopManagerTe
                                                                              doLogin (0,347 s)
                > # it.carcheck.utility
                                                                              doChangePassword (0,016 s)
                    it.dsoft.fastcrud
                                                                              doRetrieveByEmail (0,004 s)
                    it.dsoft.fastcrud.core
                    it.dsoft.fastcrud.core.ann
                                                                              doAddAdmin (0,343 s)
                                                                              doRemoveAdmin (0,000 s)
                    # it.dsoft.fastcrud.core.enu
                                                                              doSetAdminPermission (0,016 s)
                    it.dsoft.fastcrud.core.inte
                                                                              doRetrieveByld (0,000 s)
                    it.dsoft.fastcrud.enums
                                                                              doRetrieveAll (0,000 s)
                    it.dsoft.fastcrud.exception
```

#### 1.4 CityManager

```
- -
                                                                                                                              Project Explorer 🖾
                                    AdhesionRequest
                                                        AdminManagerTes

☑ CityManagerTest 
☒

                     16 public class CityManagerTesting extends TestCase {
                                       17

→ Pri > CarCheck [Carcheck development ◆
     1 Deployment Descriptor: CarChec
                                       18⊜
                                                 public CityManagerTesting(String name) {
   > 👰 JAX-WS Web Services
                                       19
                                                      super(name);
   🗸 🅦 Java Resources
                                       20
      21
        > # > it.carcheck
                                       22⊖
                                                 @Override
         > # > it.carcheck.control
                                                protected void setUp() throws Exception {
                                       23
         > 📠 it.carcheck.control.except
                                       24
                                                      CarcheckDatabase.begin(new CarcheckConfiguration());
         > 📠 it.carcheck.control.interfa
                                       25
                                                      this.manager = new CityManager();
         > 🚠 it.carcheck.control.reque
                                       26
         > 🚠 it.carcheck.control.servic
                                       27
         > 🏭 it.carcheck.database
                                       28⊖
                                                @Override
           it.carcheck.model
                                       29
                                                protected void tearDown() throws Exception {
           it.carcheck.model.bean
                                       30
                                                      // TODO Auto-generated method stub
        > 🏭 it.carcheck.model.bean.e
                                                      super.tearDown();
         > 🏭 it.carcheck.model.interfa
                                       31

→ 

→ it.carcheck.testing

             AddressManagerTe
                                       33
                                       34⊜
                                                public void getCityByKey() throws Exception {
                🕝 > AddressManage
                                                      CityBean city = manager.getCityByKey("063065");
             AdhesionRequestM
                                       35
           > 📝 > AdminManagerTest
                                                      assertNotNull(city);
                                       36
             AllTests.java
                                                      assertEquals(city.getIstat(), "063065");
                                       37
           > Properties > Properties > Properties
                                       38
           > A FastCrudTesting.java
                                       39
             PeopleManagerTestin
             ProvinceManagerTest
             RegionManagerTestin
                                    🔝 Markers 👭 Servers 🖺 Snippets 🖶 Progress 🔗 Search 😈 JUnit 🛭
                                                                                                                           _ _
             VehicleComplaintHist

→ VehicleComplaintMar

                                    Finished after 0,432 seconds
             VehicleInspectionMar
             VehicleManagerTestin
                                     Runs: 7/7
                                                     Errors: 0
                                                                     ■ Failures: 0
             WorkshopAdhesionM
                                     🗸 🏣 it.carcheck.testing.CityManagerTesting [Runner: JUnit 🗏 Failure Trace
             WorkshopManagerTe
         > 🏭 it.carcheck.utility
                                          getCityByKey (0,348 s)
                                          getCityByName (0,000 s)
           it.dsoft.fastcrud
                                          getCityFromNameAndCap (0,016 s)
           it.dsoft.fastcrud.core
                                          getCitiesFromCap (0,000 s)
           it.dsoft.fastcrud.core.ann

    getCitiesFromProvince (0,000 s)

           it.dsoft.fastcrud.core.enu
                                          getCitiesFromRegion (0,015 s)
           it.dsoft.fastcrud.core.inte
           it.dsoft.fastcrud.enums
                                          getCitiesFromProvinceCode (0,000 s)
           it.dsoft.fastcrud.exceptio
```

#### 1.5 FastCrud

```
陷 Project Explorer 🖾

☑ AdminManagerTes

                                                                                                                                                                                                                                                                    ☑ CityManagerTest

☑ FastCrudTesting 
☒

                                           13 public class FastCrudTesting extends TestCase {

→ Property State  

→ CarCheck [Carcheck development]  

→ Carcheck [Carcheck de
                                                                              14
           📆 Deployment Descriptor: CarChec
                                                                              15⊜
                                                                                                  public FastCrudTesting(String name) {
       > A JAX-WS Web Services
                                                                              16
                                                                                                            super(name);
      🗸 🅦 Java Resources
                                                                              17
            18
                 > # > it.carcheck
                                                                              19⊜
                                                                                                 @Override
                  > # > it.carcheck.control
                                                                                                  protected void setUp() throws Exception {
                                                                             20
                 > 🚠 it.carcheck.control.excep
                                                                              21
                                                                                                            DatabaseConfiguration configuration = new DatabaseConfigu
                  > 🚠 it.carcheck.control.interfa
                                                                              22
                                                                                                            this.database = new FastCrud(configuration);
                  > 📠 it.carcheck.control.reque
                                                                              23
                  > 🚠 it.carcheck.control.servic
                                                                              24
                      it.carcheck.database
                                                                              25⊜
                                                                                                 @Override
                      it.carcheck.model
                                                                             26
                                                                                                  protected void tearDown() throws Exception {
                 > 🏭 it.carcheck.model.bean
                                                                            27
                                                                                                            // TODO Auto-generated method stub
                      it.carcheck.model.bean.e
                 > # it.carcheck.model.interfa
                                                                              28
                                                                                                            super.tearDown();

→ 

→ it.carcheck.testing

                                                                              29
                            AddressManagerTe
                                                                              30
                                 🕝 > AddressManage
                                                                              31⊖
                                                                                                  public void testCreate() throws Exception {
                            AdhesionRequestM
                                                                                                            AdminBean adminBean = new AdminBean();
                                                                              32
                            AdminManagerTest
                                                                              33
                                                                                                             adminBean.setEmail("test@gmail.com");
                            AllTests.java
                                                                              34
                                                                                                             adminBean.setName("Testing");
                            A > CityManagerTesting
                                                                                                            adminBean.setSurname("Testing");
adminBean.setPassword("XXXXXX");
                                                                              35
                        > A > FastCrudTesting.jav
                                                                              36
                            PeopleManagerTestin
                            ProvinceManagerTest
                            RegionManagerTestin
                                                                                                                                                                                                                                                                    🔝 Markers 🙌 Servers 屆 Snippets 🔫 Progress 🔗 Search 🗗 JUnit 🛭

→ VehicleComplaintHist

                                                                                                                                                                                                        > 🛂 VehicleComplaintMar
                                                                           Finished after 0,417 seconds
                            VehicleInspectionMar
                                                                              Runs: 4/4
                            VehicleManagerTestin

    Errors: 0

■ Failures: 0

☑ WorkshopAdhesionN

                                                                             it.carcheck.testing.FastCrudTesting [Runner: JUnit 4] ( = Failure Trace
                            WorkshopManagerTe
                                                                                       testCreate (0,354 s)
                      it.carcheck.utility
                      it.dsoft.fastcrud
                                                                                       testRead (0,015 s)
                  > 🏭 it.dsoft.fastcrud.core
                                                                                       testUpdate (0,016 s)
                      it.dsoft.fastcrud.core.ann
                                                                                       testDelete (0,000 s)
```

#### 1.6 PeopleManager

```
陷 Project Explorer 🖾
                                                                            ☑ CityManagerTest

☑ FastCrudTesting

☑ PeopleManagerTe 
☒
                                                                                                                                                                                                                                                                  11 public class PeopleManagerTesting extends TestCase {
                                          12

→ Property State  

→ CarCheck [Carcheck development  

→ Carcheck  

→ Carche
                                                                             13⊜
                                                                                                 public PeopleManagerTesting(String name) {
           Deployment Descriptor: CarChec
                                                                                                           super(name);
      > A JAX-WS Web Services
      15
           🗸 📇 > src
                                                                              16
                 > # > it.carcheck
                                                                              17⊜
                                                                                                 @Override
                 > # > it.carcheck.control
                                                                                                 protected void setUp() throws Exception {
                                                                            △18
                 > 🚠 it.carcheck.control.excep
                                                                              19
                                                                                                           CarcheckDatabase.begin(new CarcheckConfiguration());
                  > 📠 it.carcheck.control.interfa
                                                                              20
                                                                                                           this.manager = PeopleManager.getInstance();
                 > 🚠 it.carcheck.control.reque
                                                                              21
                  > 🚠 it.carcheck.control.servic
                                                                              22
                      it.carcheck.database
                                                                              23⊖
                                                                                                @Override
                      it.carcheck.model
                                                                           △24
                                                                                                 protected void tearDown() throws Exception {
                      it.carcheck.model.bean
                                                                           <u>@</u>25
                                                                                                           // TODO Auto-generated method stub
                      it.carcheck.model.bean.e
                                                                              26
                                                                                                           super.tearDown();
                 > 🛔 it.carcheck.model.interfa
                                                                              27
                      # > it.carcheck.testing
                                                                              28
                       AddressManagerTe
                                                                              29⊝
                                                                                                 public void doRetrieveByFiscalCode() throws Exception {
                                 AddressManage
                                                                              30
                                                                                                           PeopleBean bean = manager.doRetrieveByFiscalCode("CPRFNC9
                            AdhesionRequestM
                                                                              31
                                                                                                           assertNotNull(bean);
                       > 📝 > AdminManagerTest
                                                                              32
                                                                                                           assertEquals(bean.getFiscalCode(), "CPRFNC96M14C129F");
                            AllTests.java
                                                                              33
                            A > CityManagerTesting
                                 > FastCrudTesting.jav
                                                                              34
                       > 🛂 > PeopleManagerTest
                                                                                                 mublic etatic Tost suito() /
                            ProvinceManagerTest
                            RegionManagerTestir
                                                                           🔝 Markers 👭 Servers 📔 Snippets 🕞 Progress 🔗 Search 😈 JUnit 🖾
                            VehicleComplaintHist

→ VehicleComplaintMar

                                                                          Finished after 0,414 seconds
                           VehicleInspectionMar
                            VehicleManagerTestin
                                                                             Runs: 1/1
                                                                                                            Errors: 0
                                                                                                                                              ■ Failures: 0
                            WorkshopAdhesionM
                            WorkshopManagerTe
                                                                            🗸 🔚 it.carcheck.testing.PeopleManagerTesting [Runner: JU 🗏 Failure Trace
                                                                                      doRetrieveByFiscalCode (0,386 s)
                  > 🏭 it.carcheck.utility
```

#### 1.7 ProvinceManager

```
🦺 Project Explorer 🛭 🏖

☑ FastCrudTesting   PeopleManagerTe   ProvinceManager  
☑   P
                                                                                                             18 public class ProvinceManagerTesting extends TestCase {
                                                            19

→ Property States 
                                                                                                             209
                                                                                                                                        public ProvinceManagerTesting(String name) {
          > 🛅 Deployment Descriptor: CarChec
                                                                                                             21
                                                                                                                                                       super(name);
                Java Resources
                                                                                                             22
                 🗸 📇 > src
                                                                                                             23
                         > # > it.carcheck
                                                                                                             24⊖
                                                                                                                                        @Override
                         > # > it.carcheck.control
                                                                                                           25
                                                                                                                                        protected void setUp() throws Exception {
                         > 🚠 it.carcheck.control.excep
                                                                                                             26
                                                                                                                                                       CarcheckDatabase.begin(new CarcheckConfiguration());
                          > 📠 it.carcheck.control.interfa
                                                                                                                                                       this.manager = new ProvinceManager();
                                                                                                             27
                          > 🚠 it.carcheck.control.reque
                                                                                                             28
                          > 🚠 it.carcheck.control.servic
                                                                                                             29
                          > # it.carcheck.database
                                                                                                             30⊝
                                                                                                                                        @Override
                         > # it.carcheck.model
                                                                                                          △31
                                                                                                                                        protected void tearDown() throws Exception {
                         > # it.carcheck.model.bean
                                                                                                         <u>@</u>32
                                                                                                                                                     // TODO Auto-generated method stub
                         > 🏭 it.carcheck.model.bean.e
                                                                                                            33
                                                                                                                                                       super.tearDown();
                         > 🏭 it.carcheck.model.interfa
                                                                                                             34

→ 

→ it.carcheck.testing

                                                                                                             35
                                 AddressManagerTe
                                                                                                             36⊖
                                                                                                                                        public void getProvinceByKey() throws Exception {
                                         > G > AddressManage
                                                                                                             37
                                                                                                                                                       ProvinceBean bean = manager.getProvinceByKey("MI");
                                       AdhesionRequestM
                                                                                                             38
                                                                                                                                                       assertNotNull(bean);
                                 > AdminManagerTest
                                 > 🖟 AllTests.java
                                                                                                             39
                                                                                                                                                       assertEquals(bean.getProvinceCode(), "MI");
                                       A > CityManagerTesting
                                                                                                             40
                                 > A > FastCrudTesting.jav
                                                                                                             41
                                                                                                                                        nublic void gotPnovincoRvNamo() throws Exception 5
                                       A > PeopleManagerTest
                                 > 🛂 > ProvinceManagerTe
                                 > RegionManagerTestin
                                                                                                                                                                                                                                                                                                                                                                         🚹 Markers 🙌 Servers 🖺 Snippets 🕞 Progress 🤗 Search 🕣 JUnit 🖾
                                  > 🛂 VehicleComplaintHist

☑ VehicleComplaintMar

                                                                                                        Finished after 0,416 seconds
                                       VehicleInspectionMar
                                  > A VehicleManagerTestin
                                                                                                            Runs: 6/6
                                                                                                                                                        Errors: 0

■ Failures: 0

→ WorkshopAdhesionN

▼ It.carcheck.testing.ProvinceManagerTesting [Runner: ] 

    Failure Trace

                                 > 🚹 WorkshopManagerTe
                          > 🏭 it.carcheck.utility
                                                                                                                         getProvinceByKey (0,354 s)
                          > # it.dsoft.fastcrud
                                                                                                                         getProvinceByName (0,000 s)
                                                                                                                         getProvinceByCityName (0,000 s)
                                it.dsoft.fastcrud.core
                                                                                                                         getProvinceByCity (0,016 s)
                         > 🖶 it.dsoft.fastcrud.core.ann
                                                                                                                         getProvincesFromRegion (0,015 s)
                         > 🖶 it.dsoft.fastcrud.core.enu
                                                                                                                         getProvincesByRegionCode (0,000 s)
                          > 🖶 it.dsoft.fastcrud.core.inte
```

#### 1.8 RegionManager

```
Project Explorer 🛭
                                                                       ☑ PeopleManagerTe
                                                                                                              ProvinceManager
                                                                                                                                                     ☑ RegionManagerTe ※
                                                                                                                                                                                                                                                     20<sup>©</sup> public RegionManagerTesting(String name) {

→ Property States 
                                                                          21
                                                                                              super(name);
          1 Deployment Descriptor: CarChec
                                                                          22
      > 👰 JAX-WS Web Services
     🗸 🅦 Java Resources
                                                                          23
                                                                          240 @Override

✓ 

## > src

                                                                        A25
                                                                                    protected void setUp() throws Exception {
                > # > it.carcheck
                                                                         26
                                                                                              CarcheckDatabase.begin(new CarcheckConfiguration());
                > # > it.carcheck.control
                > 🚠 it.carcheck.control.excep
                                                                          27
                                                                                              this.regionManager = new RegionManager();
                > 🚠 it.carcheck.control.interfa
                                                                          28
                > 📠 it.carcheck.control.reque
                                                                          29
                > 🚠 it.carcheck.control.servic
                                                                         30⊖ @Override
                > # it.carcheck.database
                                                                        △31
                                                                                    protected void tearDown() throws Exception {
                > # it.carcheck.model
                                                                      232
                                                                                              // TODO Auto-generated method stub
                > # it.carcheck.model.bean
                                                                          33
                                                                                              super.tearDown();
                > 🏭 it.carcheck.model.bean.e
                                                                          34
                > # it.carcheck.model.interfa
                                                                          35
                it.carcheck.testing
                                                                                     public void getRegionByKey() throws Exception {
                                                                          36⊖
                     AddressManagerTe
                                                                          37
                                                                                              RegionBean bean = this.regionManager.getRegionByKey(1);
                               🕝 > AddressManage
                                                                          38
                                                                                              assertNotNull(bean);
                          AdhesionRequestM
                                                                          39
                                                                                              assertEquals(bean.getId(), 1);
                          AdminManagerTest
                                                                          40
                      > AllTests.java
                                                                          41
                      > A > CityManagerTesting
                                                                          42@ public void getRegionFromCityName() throws Exception {
                          > FastCrudTesting.jav
                                                                                              RegionBean hean = this.regionManager.getRegionFromCitvName("
                      > PeopleManagerTest
                          > ProvinceManagerTe
                      > 🛂 > RegionManagerTes
                                                                       🔝 Markers 👭 Servers 🔚 Snippets 🗐 Console 🔫 Progress 🔗 Search 🕡 JUnit 🖾
                      > A VehicleComplaintHist
                                                                                                                                                                                      VehicleComplaintMar
                                                                      Finished after 0,425 seconds
                          VehicleInspectionMar
                                                                         Runs: 5/5

    Errors: 0

■ Failures: 0

                          WorkshopAdhesionM
                                                                        🗸 🏣 it.carcheck.testing.RegionManagerTesting [Runner: JU 💻 Failure Trace

☑ WorkshopManagerTe

                > 🏭 it.carcheck.utility
                                                                                  getRegionByKey (0,339 s)
                                                                                  getRegionFromCityName (0,016 s)
                > # it.dsoft.fastcrud
                > it.dsoft.fastcrud.core
                                                                                  getRegionFromCity (0,015 s)
                                                                                  getRegionFromProvince (0,007 s)
                > # it.dsoft.fastcrud.core.ann
                 > 🏭 it.dsoft.fastcrud.core.enu
                                                                                  getAllRegions (0,000 s)
```

## 1.9 VehicleComplaintHistoryManager

```
- -
                                                           _ _
Project Explorer 🛭
                                                                            ☑ RegionManagerTe

☑ VehicleComplain

                                                                                                                                                               🚺 VehicleComplain 🛭
                                           11 public class VehicleComplaintHistoryManager implements IVehicleCo

→ Property State  

→ CarCheck [Carcheck development  

→ Carcheck  

→ Car
                                                                              12
          🛅 Deployment Descriptor: CarChec
                                                                              13⊜
                                                                                                  public static VehicleComplaintHistoryManager getInstance() {
      > A JAX-WS Web Services
                                                                              14
                                                                                                            if(instance == null)
      🗸 🅦 Java Resources
                                                                              15
                                                                                                                       instance = new VehicleComplaintHistoryManager();
            16
                 > 🖶 > it.carcheck
                                                                               17
                                                                                                             return instance;
                  > 🖶 > it.carcheck.control
                                                                              18
                 > 🚠 it.carcheck.control.except
                                                                               19
                  > 🚠 it.carcheck.control.interfa
                                                                                                  private VehicleComplaintHistoryManager() {
                                                                               20⊝
                  > 📠 it.carcheck.control.reque
                  > 🚠 it.carcheck.control.servic
                                                                               21
                                                                                                            this.database = CarcheckDatabase.getInstance();
                  > 🏭 it.carcheck.database
                                                                              22
                      it.carcheck.model
                                                                              23
                      it.carcheck.model.bean
                                                                                                  @Override
                                                                              24⊜
                     it.carcheck.model.bean.e
                                                                                                  public void doSave(VehicleComplaintHistoryBean element) throw
                                                                              25
                  > # it.carcheck.model.interfa
                                                                              26
                 it.carcheck.testing
                                                                              27
                                                                                                                       this.database.update(element);
                           AddressManagerTe
                                                                              28
                                                                                                             } catch (Exception e) {
                                 🕝 > AddressManage
                                                                               29
                                                                                                                       e.printStackTrace();
                       > AdhesionRequestM
                                                                               30
                           AdminManagerTest
                                                                              31
                           AllTests.java
                                                                              32
                           🖟 > CityManagerTesting
                                                                              33⊝
                                                                                                  @Override
                            FastCrudTesting.jav
                                                                                                  public void doDelete(VehicleComplaintHistoryBean element) thr
                           A > PeopleManagerTest
                           🖟 > ProvinceManagerTe
                            A > RegionManagerTes
                                                                            🔝 Markers 👭 Servers 屆 Snippets 🔫 Progress 🔗 Search 랜 JUnit 🛭
                           A > VehicleComplaintH
                                                                                                                                                                                                   VehicleComplaintMar
                                                                           Finished after 0,42 seconds
                            VehicleInspectionMar

⚠ VehicleManagerTestin

                                                                             Runs: 1/1
                                                                                                             Errors: 0
                                                                                                                                                ■ Failures: 0

☑ WorkshopAdhesionN

                                                                             🗸 🏣 it.carcheck.testing.VehicleComplaintHistoryManagerTesti 🗏 Failure Trace

☑ WorkshopManagerTe

                                                                                       doGetVehicleComplaintsFromLicensePlate (0,373 s)
                  > # it.carcheck.utility
                  > # it.dsoft.fastcrud
```

## 1.10 VehicleComplaintManager

```
_ _

☑ VehicleComplain

☑ VehicleComplain

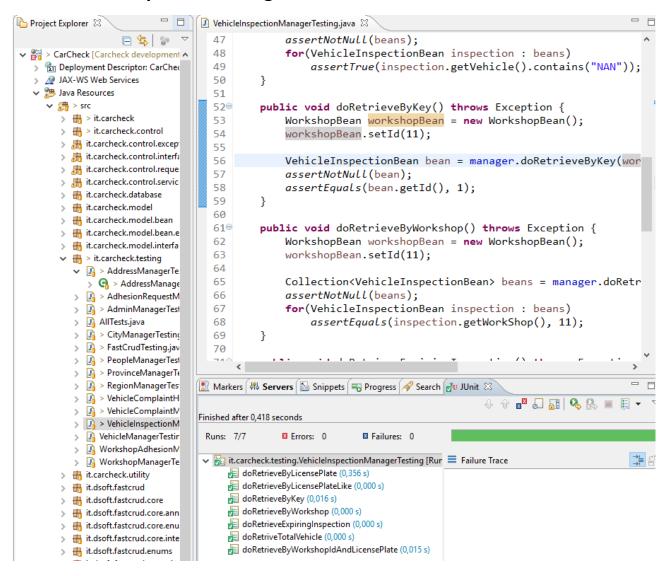
                                                                                                                                                         🚺 VehicleComplain 🖾
陷 Project Explorer 🛭
                                           1 package it.carcheck.testing;

▼ Sill > CarCheck [Carcheck development ▲
                                                                                3 mport it.carcheck.database.CarcheckConfiguration; □
      > 🛅 Deployment Descriptor: CarChec
       > A JAX-WS Web Services
      11 public class VehicleComplaintManagerTesting extends TestCase {
            12
                 > 🏭 > it.carcheck
                                                                             13⊜
                                                                                                public VehicleComplaintManagerTesting(String name) {
                 > # > it.carcheck.control
                                                                             14
                                                                                                           super(name);
                 > 🚠 it.carcheck.control.excep
                                                                             15
                 > 🚠 it.carcheck.control.interfa
                                                                             16
                 > 🚠 it.carcheck.control.reque
                                                                             17⊖
                                                                                                @Override
                  > 📠 it.carcheck.control.servic
                                                                            ▲18
                                                                                                protected void setUp() throws Exception {
                 > it.carcheck.database
                                                                             19
                                                                                                           CarcheckDatabase.begin(new CarcheckConfiguration());
                      it.carcheck.model
                                                                                                           this.manager = VehicleComplaintManager.getInstance();
                                                                             20
                 > 🖶 it.carcheck.model.bean
                                                                             21
                      it.carcheck.model.bean.e
                                                                             22
                      it.carcheck.model.interfa
                                                                             23⊜
                                                                                                @Override
                      - it.carcheck.testing
                                                                           △24
                                                                                                protected void tearDown() throws Exception {
                            AddressManagerTe
                                                                          225
                                                                                                           // TODO Auto-generated method stub
                                 🕝 > AddressManage
                                                                             26
                                                                                                           super.tearDown();
                            AdhesionRequestM
                        > 🛂 > AdminManagerTest
                                                                             27
                                                                                                }
                            AllTests.java
                                                                             28
                            > CityManagerTesting
                                                                             29⊝
                                                                                                public void doGetVehicleComplaintFromLicensePlate() throws Ex
                            FastCrudTesting.jav
                                                                             30
                                                                                                           VehicleComplaintBean bean = manager.doGetVehicleComplaint
                        > 🛂 > PeopleManagerTest
                            A > ProvinceManagerTe
                            A > RegionManagerTes
                                                                          🔝 Markers 👭 Servers 🖺 Snippets 🔫 Progress 🔗 Search 😈 JUnit 🛭
                            VehicleComplaintH
                                                                                                                                                                                                           Page 1 - Page 2 - 
                                                                          Finished after 0,368 seconds
                            VehicleInspectionMar
                        > 🛂 VehicleManagerTestir
                                                                             Runs: 1/1
                                                                                                            Errors: 0

■ Failures: 0

                       > MorkshopAdhesionM
                                                                            > it.carcheck.testing.VehicleComplaintManagerTesting [Rur = Failure Trace
                            WorkshopManagerTe
                  it.carcheck.utility
```

#### 1.11 VehicleInspectionManager



# 1.12 VehicleManager

```
- -
Project Explorer

☑ VehicleInspectionManagerTesting.java

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     П

☑ VehicleManagerTesting.java ※ 
                                                                                   public class VehicleManagerTesting extends TestCase {

▼ Property State  

▼ CarCheck [Carcheck development  

▼ CarCheck [Carcheck development  

▼ Property State  

▼ Propert
                                                                                                                                                       19
                    1 Deployment Descriptor: CarChec
                                                                                                                                                       20⊝
                                                                                                                                                                                             public VehicleManagerTesting(String name) {
                    JAX-WS Web Services
                                                                                                                                                       21
                                                                                                                                                                                                                 super(name);

✓ 

May a Resources

May a Resour
                                                                                                                                                       22

→ 

## > src

                                                                                                                                                       23
                                  > # > it.carcheck
                                                                                                                                                       24⊖
                                                                                                                                                                                            @Override
                                  > # > it.carcheck.control
                                                                                                                                                     25
                                                                                                                                                                                            protected void setUp() throws Exception {
                                   > 📠 it.carcheck.control.excep
                                                                                                                                                                                                                CarcheckDatabase.begin(new CarcheckConfiguration());
                                                                                                                                                       26
                                  > 🚠 it.carcheck.control.interfa
                                                                                                                                                        27
                                                                                                                                                                                                                 this.manager = VehicleManager.getInstance();
                                          # it.carcheck.control.reque
                                                                                                                                                       28
                                   > 📠 it.carcheck.control.servic
                                                                                                                                                       29
                                           it.carcheck.database
                                                                                                                                                       30⊝
                                                                                                                                                                                            @Override
                                           it.carcheck.model
                                                                                                                                                      31
                                                                                                                                                                                            protected void tearDown() throws Exception {
                                  > 🏭 it.carcheck.model.bean
                                                                                                                                                  232
                                                                                                                                                                                                                  // TODO Auto-generated method stub
                                  > # it.carcheck.model.bean.e
                                                                                                                                                       33
                                                                                                                                                                                                                 super.tearDown();
                                           it.carcheck.model.interfa
                                                                                                                                                        34
                                   it.carcheck.testing
                                                                                                                                                       35
                                            AddressManagerTe
                                                                AddressManage
                                                                                                                                                        36⊜
                                                                                                                                                                                            public void doRetriveVehicle() throws Exception {
                                                      AdhesionRequestM
                                                                                                                                                                                                                VehicleBean bean = this.manager.doRetriveVehicle("NAN7064
                                                                                                                                                       37
                                             > 🛂 > AdminManagerTest
                                                                                                                                                       38
                                                                                                                                                                                                                assertNotNull(bean);
                                             > AllTests.java
                                                                                                                                                       39
                                                                                                                                                                                                                assertEquals(bean.getLicensePlate(), "NAN70642");
                                             >  \[ \int \] > CityManagerTesting
                                                                                                                                                       40
                                                                 > FastCrudTesting.jav
                                                                                                                                                       41
                                             > 🖟 > PeopleManagerTest
                                                      > ProvinceManagerTe
                                             > 🖪 > RegionManagerTes
                                                                                                                                                 🔝 Markers 👭 Servers 屆 Snippets 🔫 Progress 🔗 Search 🕡 JUnit 🛭
                                             > 1 > VehicleComplaintH
                                                                                                                                                                                                                                                                                                                                                                                                VehicleComplaintM
                                                                                                                                                 Finished after 0.436 seconds
                                                      A > VehicleInspectionM
                                                                                                                                                                                                                                                                                   ■ Failures: 0
                                             > Proposition > Proposition
                                                                                                                                                      Runs: 6/6
                                                                                                                                                                                                                   Errors: 0
                                                       WorkshopAdhesionM
                                                                                                                                                     it.carcheck.testing.VehicleManagerTesting [Runner: JUnit = Failure Trace
                                             > A WorkshopManagerTe
                                                                                                                                                                        doRetriveVehicle (0,376 s)
                                   > # it.carcheck.utility
                                                                                                                                                                        doRetrieveLastPossessionFee (0,008 s)
                                            it.dsoft.fastcrud
                                                                                                                                                                        doRetrieveLastInsurance (0,008 s)
                                           # it.dsoft.fastcrud.core
                                                                                                                                                                        doRetrieveOwners (0,004 s)
                                   > 🏭 it.dsoft.fastcrud.core.ann
                                           it.dsoft.fastcrud.core.enu
                                                                                                                                                                        doRetrieveLastVehicleInspection (0,004 s)
                                                                                                                                                                        doRetrieveAll (0,000 s)
                                          it.dsoft.fastcrud.core.inte
```

#### 1.13 WorkshopManager

