[TestClass]

public class UnitTest6

{

Book b1, b2, b3;

Amulet a1, a2, a3;

Course c1, c2;

ValuableRepository vr1, vr2;

[TestInitialize]

public void Init()

{

b1 = new Book("No. B1");

b2 = new Book("No. B2", "Falling in Love with Yourself");

b3 = new Book("No. B3", "Spirits in the Night", 123.55);

a1 = new Amulet("No. A1");

a2 = new Amulet("No. A2", Level.high);

a3 = new Amulet("No. A3", Level.low, "Modern");

c1 = new Course("Basis kursus");

c2 = new Course("Kursus 2", 128);

vr1 = new ValuableRepository();

vr1.AddValuable(b1);

vr1.AddValuable(a1);

vr1.AddValuable(b2);

vr1.AddValuable(a3);

vr1.AddValuable(c1);

vr1.AddValuable(b3);

vr1.AddValuable(a2);

vr1.AddValuable(c2);

vr2 = new ValuableRepository();

if (File.Exists("ValuableRepository.txt"))

{

File.Delete("ValuableRepository.txt");

}

if (File.Exists("TestFile01.txt"))

{

File.Delete("TestFile01.txt");

}

if (File.Exists("TestFile02.txt"))

{

File.Delete("TestFile02.txt");

}

}

[TestMethod]

public void TestSave()

{

vr1.Save("TestFile01.txt");

Assert.AreEqual(true, File.Exists("TestFile01.txt"));

}

[TestMethod]

public void TestLoadWithFileName()

{

vr1.Save("TestFile01.txt");

vr2.Load("TestFile01.txt");

int noOfElements = vr1.Count();

Assert.AreEqual(noOfElements, vr2.Count());

Assert.AreEqual(vr1.GetValuable("No. B2").ToString(), vr2.GetValuable("No. B2").ToString());

Assert.AreEqual(vr1.GetValuable("No. B1").ToString(), vr2.GetValuable("No. B1").ToString());

Assert.AreEqual(vr1.GetValuable("No. B3").ToString(), vr2.GetValuable("No. B3").ToString());

Assert.AreEqual(vr1.GetValuable("Basis kursus").ToString(),

vr2.GetValuable("Basis kursus").ToString());

Assert.AreEqual(vr1.GetValuable("Kursus 2").ToString(), vr2.GetValuable("Kursus 2").ToString());

Assert.AreEqual(vr1.GetValuable("No. A3").ToString(), vr2.GetValuable("No. A3").ToString());

Assert.AreEqual(vr1.GetValuable("No. A1").ToString(), vr2.GetValuable("No. A1").ToString());

Assert.AreEqual(vr1.GetValuable("No. A2").ToString(), vr2.GetValuable("No. A2").ToString());

}

[TestMethod]

public void TestLoadWithDefaultFile()

{

vr1.Save();

vr2.Load();

int noOfElements = vr1.Count();

Assert.AreEqual(noOfElements, vr2.Count());

Assert.AreEqual(vr1.GetValuable("No. B2").ToString(), vr2.GetValuable("No. B2").ToString());

Assert.AreEqual(vr1.GetValuable("No. B1").ToString(), vr2.GetValuable("No. B1").ToString());

Assert.AreEqual(vr1.GetValuable("No. B3").ToString(),

vr2.GetValuable("No. B3").ToString());

Assert.AreEqual(vr1.GetValuable("Basis kursus").ToString(),

vr2.GetValuable("Basis kursus").ToString());

Assert.AreEqual(vr1.GetValuable("Kursus 2").ToString(), vr2.GetValuable("Kursus 2").ToString());

Assert.AreEqual(vr1.GetValuable("No. A3").ToString(), vr2.GetValuable("No. A3").ToString());

Assert.AreEqual(vr1.GetValuable("No. A1").ToString(), vr2.GetValuable("No. A1").ToString());

Assert.AreEqual(vr1.GetValuable("No. A2").ToString(), vr2.GetValuable("No. A2").ToString());

}

}