using System;

using SportsClub;

class Test

{

static void Main()

{

try

{

// create 2 players

SoccerPlayer rooney = new SoccerPlayer

{

Name = "Wayne Rooney",

Age = 26, Gender = Gender.Male,

Position = SoccerPosition.Striker

};

SoccerPlayer rio = new SoccerPlayer

{ Name = "Rio Ferdinand",

Age = 33,

Gender = Gender.Male,

Position = SoccerPosition.Defender

};

// create a team

SoccerTeam manu = new SoccerTeam("Manchester United 1st Team", Gender.Male, SoccerTeam.NoAgeLimit);

// add players

manu.AddPlayer(rooney);

manu.AddPlayer(rio);

// print details of team

Console.WriteLine("Team: " + manu.TeamName);

// iterator to display the squad

foreach (SoccerPlayer player in manu)

{

Console.WriteLine(player);

}

// try to find a player

Console.WriteLine("Find:");

// using indexer to find player

SoccerPlayer p = manu["Wayne rooney"];

Console.WriteLine(p);

}

catch (Exception e)

{

Console.WriteLine(e.Message);

}

Console.ReadLine();

}

}

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using SportsClub;

namespace SportsUnitTests

{

[TestClass]

public class UnitTest

{

// make player object

private SoccerPlayer gareth, robbie;

public UnitTest()

{

gareth = new SoccerPlayer { Name = "Gareth Quirke", Age = 20, Gender = Gender.Male, Position = SoccerPosition.Striker };

robbie = new SoccerPlayer { Name = "Robbie Keane", Age = 33, Gender = Gender.Male, Position = SoccerPosition.Defender };

}

private TestContext testContextInstance;

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

// check if two objects are not the same

[TestMethod]

public void Test1()

{

Assert.AreNotEqual(gareth, robbie);

}

// Add a player to a team who is too old

[TestMethod]

[ExpectedException(typeof(ArgumentException))]

public void Test2()

{

SoccerTeam boys = new SoccerTeam("Lpool", Gender.Male, 17);

boys.AddPlayer(gareth);

}

// Add a player whos already apart of the squad

[TestMethod]

[ExpectedException(typeof(ArgumentException))]

public void test3()

{

SoccerTeam oldMen = new SoccerTeam("oldies", Gender.Male, 40);

oldMen.AddPlayer(gareth);

oldMen.AddPlayer(gareth);

}

}

}