Whitebox testiranje

Testovi su radjeni na metodi RecommendProducts klase CustomerRecommendation.

```
public virtual IEnumerable<Product> RecommendProducts()
{
    List<Product> result = new List<Product>();
    if (_products == null || favoriteCategory == null) {
        throw new ArgumentNullException("Parameters null");
    }
    foreach (var product in _products)
    {
        if (product.Category.Equals(favoriteCategory))
        {
            result.Add(product);
        }
    }
    return result;
}
```

```
[TestClass]
  public class RecommendProductsTest
  {
     public CustomerRecommendation recommendation;
     [TestInitialize]
     public void Setup()
     {
          recommendation = new CustomerRecommendation("fav", null);
     }
     [TestMethod]
     [ExpectedException(typeof(ArgumentNullException))]
     public void TestNullList()
     {
          recommendation._products = null;
          var res = recommendation.RecommendProducts().ToArray();
     }
     [TestMethod]
     [ExpectedException(typeof(ArgumentNullException))]
     public void TestNullFavCategory()
```

```
var res = recommendation.RecommendProducts().ToArray();
public void TestEmptyProducts()
   recommendation._products = new List<Product>();
   Assert.AreEqual(0, recommendation.RecommendProducts().ToArray().Length);
       new Product() {Category = "fav", Id=1}
   Assert.AreEqual(1, recommendation.RecommendProducts().ElementAt(0).Id);
   Assert.AreEqual(1, recommendation.RecommendProducts().ToArray().Length);
       new Product() {Category = "fav", Id=2}
   Assert.AreEqual(1, recommendation.RecommendProducts().ElementAt(0).Id);
   Assert.AreEqual(2, recommendation.RecommendProducts().ElementAt(1).Id);
   Assert.AreEqual(2, recommendation.RecommendProducts().ToArray().Length);
```

```
public void TestNoneFavorite()
{
    recommendation._products = new List<Product>()
    {
        new Product(){Category = "notfav", Id=1},
        new Product(){Category = "notfav", Id=2}
    };
    recommendation.favoriteCategory = "fav";
    Assert.AreEqual(0, recommendation.RecommendProducts().ToArray().Length);
}
```