

Tellimuse Transport

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using System;
using System.Collections.Generic;
using System.Linq;
using System.Runtime.Serialization;
using System.ServiceModel;
using System.ServiceModel.Web;
using System.Text;
using TransportService.ee.ttu.tund;

namespace TransportService
{
    // NOTE: You can use the "Rename" command on the "Refactor" menu to change the
    // class name "Service1" in code, svc and config file together.
    public class Service1 : IService1
    {
        public struct Kirje
        {
            public int Kullerfirma_id;
            public string Nimi;
            public bool Courier_county;
            public bool Shipping_county;
            public float Transport_protsent;
            public int Transport_days;
            public float Transport_fitness;
            public string pakk_kood;
        };

        public TransportCalculationResponse GetData(int Order_id, string
Shipping_address_county, string Seller_address_county, float Price_total)
        {
            TransportService.ee.ttu.tund.CourierServiceService ser = new
TransportService.ee.ttu.tund.CourierServiceService();
            courier[] cur = ser.getAllCouriers();
            object[] myarray = new object[100];
            Random random = new Random();
            // Võtan transpordifirmade nimekirja
            Kirje thisList;
            TransportCalculationResponse TransportRes = new
TransportCalculationResponse();
            int n;
            int i = 0;
            float fconst = 0.01F;
            float transport_allahindlus;
            foreach (courier curi in cur)
            {
                thisList.Kullerfirma_id = curi.enterprise;
                thisList.Nimi = curi.name;
                thisList.Courier_county = false;
                thisList.Shipping_county = false;
                int num = random.Next(6) + 1;

                try
                {
                    foreach (entAddress ari in curi.addresses)
                    {
                        if (ari.county == Seller_address_county)
                            thisList.Courier_county = true;
                        if (ari.county == Shipping_address_county)

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        thisList.Shipping_county = true;
    }
}
catch (NullReferenceException e)
{
}
thisList.Transport_protsent = curi.percent_from_order* Price_total /
100F;
transport_allahindlus = 0.0F;
if (thisList.Courier_county)
    transport_allahindlus = 0.3F;
if (thisList.Shipping_county)
    transport_allahindlus = transport_allahindlus + 0.3F;
thisList.Transport_protsent = thisList.Transport_protsent * (1-
transport_allahindlus);
thisList.Transport_days = num;
thisList.Transport_fitness = thisList.Transport_protsent * fconst *
thisList.Transport_days;
thisList.pakk_kood = thisList.Nimi + Order_id;
thisList.Nimi = curi.name;
myarray[i] = thisList;
i = i + 1;
}
n = i;
// alustan transpordi pakkumiste võtmist
float bestpakkumine = 99999F;
int bestIndeks = 0;
for (i = 0; i < n; i++)
{
    thisList = (Kirje)myarray[i];
    if (thisList.Transport_fitness < bestpakkumine)
    {
        bestpakkumine = thisList.Transport_fitness;
        bestIndeks = i;
    }
}
thisList = (Kirje)myarray[bestIndeks];
TransportRes.Courier_ID = thisList.Kullerfirma_id;
TransportRes.Transport_price = (int)thisList.Transport_protsent;
TransportRes.Transport_time = thisList.Transport_days;
TransportRes.Pakkumine_kood = thisList.pakk_kood;
TransportRes.Courier_name = thisList.Nimi;
return TransportRes;
}
}
}

```