Import dokladu predaja

Komunikácia s programom tretej strany

Ak zariadenie - platobný terminál slúži pre komunikáciu s cudzím systémom, je vhodné použiť formát JSON s tu uvedenou štruktúrou. Je možné požiadať o vytvorenie alternatívnych formátov a ich zloženie.

Princíp komunikácie

Terminál ak je len v režime POI, potom sa gePOS.apk nastaví na mock pre eKasa a doklady budú uložené v zariadení na zvolenú dobu. Ak je terminál zároveň aj eKasa, potom okrem uloženia v lokále budú dáta predaja exportované aj do gecommerce.solutions (sklady).

- Na FTP sa uloží JSON (lokálny server, či WampServer alebo XAMPP)
- gePOS -> Predaj -> Predaj -> Katalóg(podržanie) : dôjde k importu
- ďalej stlačiť Platiť -> Platba kartou : volá sa POI-Besteron a prípadne POS-FiscalCore
- alebo stlačiť platiť -> Platba : ak je zariadenie zároveň eKasa

Príklad JSON

Táto štruktúra (prvý vzor je pradaj, druhý vzor je vrátenie) je momentálne zapracovaná - toto je praktický príklad:

```
{
    "head": {
        "date": "20241118",
        "id": 4,
        "note": "myEcr receiptExport",
        "sum": 8.38,
        "user": "1  admin"
    },
    "footer": {
        "note": "Thanks for visit"
    },
    "items": [
        {
            "code": "00020",
            "costpricebase": 0.500,
            "costpricefull": 0.615,
```

```
        "costpricetax": 0.115,
        "customerpricebase": 0.976,
        "customerpricefull": 1.200,
        "customerpricetax": 0.224,
        "hour": "14.20",
        "name": "Komodita test 23%",
        "note": "",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 1,
        "qty": 2,
        "receiptdivisor": 0,
        "receiptplu": 0,
        "referenceid": "",
        "selected": true,
        "sktype": "",
        "sktypezerovat": "",
        "stock": 1,
        "sumcustomerpricebase": 1.951,
        "sumcustomerpricefull": 2.400,
        "sumcustomerpricetax": 0.449,
        "vatid": 1,
        "vatlevel": 23
    },
    {
        "code": "00010",
        "costpricebase": 0.500,
        "costpricefull": 0.595,
        "costpricetax": 0.095,
        "customerpricebase": 0.924,
        "customerpricefull": 1.100,
        "customerpricetax": 0.176,
        "hour": "14.20",
        "name": "Komodita test 19%",
        "note": "",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 2,
        "qty": 2,
        "receiptdivisor": 0,
```

```
        "receiptplu": 0,
        "referenceid": "",
        "selected": true,
        "sktype": "",
        "sktypezerovat": "",
        "stock": 1,
        "sumcustomerpricebase": 1.849,
        "sumcustomerpricefull": 2.200,
        "sumcustomerpricetax": 0.351,
        "vatid": 2,
        "vatlevel": 19
    },
    {
        "code": "00099",
        "costpricebase": 0.150,
        "costpricefull": 0.150,
        "costpricetax": 0,
        "customerpricebase": 0.150,
        "customerpricefull": 0.150,
        "customerpricetax": 0,
        "hour": "14.20",
        "name": "Komodita test 0% VratObal",
        "note": "",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 3,
        "qty": 2,
        "receiptdivisor": 0,
        "receiptplu": 0,
        "referenceid": "",
        "selected": false,
        "sktype": "",
        "sktypezerovat": "VO",
        "stock": 1,
        "sumcustomerpricebase": 0.300,
        "sumcustomerpricefull": 0.300,
        "sumcustomerpricetax": 0,
        "vatid": 3,
        "vatlevel": 0
    },
```

```
{
    "code": "muka",
    "costpricebase": 0.500,
    "costpricefull": 0.525,
    "costpricetax": 0.025,
    "customerpricebase": 1,
    "customerpricefull": 1.050,
    "customerpricetax": 0.050,
    "hour": "14.20",
    "name": "Múka 1kg 5%",
    "note": "",
    "orderprinterid1": 0,
    "orderprinterid2": 0,
    "plu": 7,
    "qty": 2,
    "receiptdivisor": 0,
    "receiptplu": 0,
    "referenceid": "",
    "selected": true,
    "sktype": "",
    "sktypezerovat": "",
    "stock": 1,
    "sumcustomerpricebase": 2,
    "sumcustomerpricefull": 2.100,
    "sumcustomerpricetax": 0.100,
    "vatid": 4,
    "vatlevel": 5
},
{
    "code": "10",
    "costpricebase": 1.500,
    "costpricefull": 1.845,
    "costpricetax": 0.345,
    "customerpricebase": 2.276,
    "customerpricefull": 2.800,
    "customerpricetax": 0.524,
    "hour": "13.14",
    "name": "Plzen 12° .5",
    "note": "èochtan",
    "orderprinterid1": 0,
```

```
        "orderprinterid2": 0,
        "plu": 5,
        "qty": 1,
        "receiptdivisor": 2,
        "receiptplu": 1,
        "referenceid": "",
        "selected": false,
        "sktype": "",
        "sktypezerovat": "",
        "stock": 1,
        "sumcustomerpricebase": 2.276,
        "sumcustomerpricefull": 2.800,
        "sumcustomerpricetax": 0.524,
        "vatid": 1,
        "vatlevel": 23
    },
    {
        "code": "010",
        "costpricebase": 0.909,
        "costpricefull": 1.118,
        "costpricetax": 0.209,
        "customerpricebase": 1.626,
        "customerpricefull": 2,
        "customerpricetax": 0.374,
        "hour": "13.14",
        "name": "Plzen 12° .3",
        "note": "po èiarku",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 5,
        "qty": 1,
        "receiptdivisor": 3.3,
        "receiptplu": 2,
        "referenceid": "",
        "selected": false,
        "sktype": "",
        "sktypezerovat": "",
        "stock": 1,
        "sumcustomerpricebase": 1.626,
        "sumcustomerpricefull": 2,
```

```
        "sumcustomerpricetax": 0.374,
        "vatid": 1,
        "vatlevel": 23
    },
    {
        "code": "00099",
        "costpricebase": 0.150,
        "costpricefull": 0.150,
        "costpricetax": 0,
        "customerpricebase": 0.150,
        "customerpricefull": 0.150,
        "customerpricetax": 0,
        "hour": "13.14",
        "name": "Komodita test 0% VratObal",
        "note": "",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 3,
        "qty": 1,
        "receiptdivisor": 0,
        "receiptplu": 0,
        "referenceid": "",
        "selected": false,
        "sktype": "",
        "sktypezerovat": "VO",
        "stock": 1,
        "sumcustomerpricebase": 0.150,
        "sumcustomerpricefull": 0.150,
        "sumcustomerpricetax": 0,
        "vatid": 3,
        "vatlevel": 0
    },
    {
        "code": "00099",
        "costpricebase": 0.150,
        "costpricefull": 0.150,
        "costpricetax": 0,
        "customerpricebase": 0.150,
        "customerpricefull": 0.150,
        "customerpricetax": 0,
```

```
        "hour": "13.15",
        "name": "Komodita test 0% VratObal",
        "note": "",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 3,
        "qty": -2,
        "receiptdivisor": 0,
        "receiptplu": 0,
        "referenceid": "",
        "selected": false,
        "sktype": "",
        "sktypezerovat": "VO",
        "stock": 1,
        "sumcustomerpricebase": -0.300,
        "sumcustomerpricefull": -0.300,
        "sumcustomerpricetax": 0,
        "vatid": 3,
        "vatlevel": 0
    },
    {
        "code": "9993",
        "costpricebase": 3,
        "costpricefull": 3,
        "costpricetax": 0,
        "customerpricebase": 3,
        "customerpricefull": 3,
        "customerpricetax": 0,
        "hour": "13.15",
        "name": "Voucher 3eur",
        "note": "",
        "orderprinterid1": 0,
        "orderprinterid2": 0,
        "plu": 4,
        "qty": -1,
        "receiptdivisor": 0,
        "receiptplu": 0,
        "referenceid": "",
        "selected": false,
        "sktype": "VP",
```

```
            "sktypezerovat": "N",
            "stock": 1,
            "sumcustomerpricebase": -3,
            "sumcustomerpricefull": -3,
            "sumcustomerpricetax": 0,
            "vatid": 3,
            "vatlevel": 0
        },
        {
            "code": "sal",
            "costpricebase": 0.100,
            "costpricefull": 0.119,
            "costpricetax": 0.019,
            "customerpricebase": 1,
            "customerpricefull": 1.190,
            "customerpricetax": 0.190,
            "hour": "13.15",
            "name": "Salama",
            "note": "",
            "orderprinterid1": 0,
            "orderprinterid2": 0,
            "plu": 8,
            "qty": -0.2300,
            "receiptdivisor": 0,
            "receiptplu": 0,
            "referenceid": "O-1234TEST",
            "selected": false,
            "sktype": "",
            "sktypezerovat": "",
            "stock": 1,
            "sumcustomerpricebase": -0.227,
            "sumcustomerpricefull": -0.270,
            "sumcustomerpricetax": -0.043,
            "vatid": 2,
            "vatlevel": 19
        }
    ]
}
```


vrátenie:

```
{
    "head": {
        "date": "20241223",
        "id": 3,
        "note": "-test",
        "sum": -3.30,
        "user": "1 (hos□)"
    },
    "footer": {
        "note": "Thanks for visit"
    },
    "items": [
        {
            "code": "p20",
            "costpricebase": 0.100,
            "costpricefull": 0.120,
            "costpricetax": 0.020,
            "customerpricebase": 1,
            "customerpricefull": 1.200,
            "customerpricetax": 0.200,
            "hour": "17.47",
            "name": "Product 20%",
            "note": "",
            "orderprinterid1": 0,
            "orderprinterid2": 0,
            "plu": 10,
            "qty": -1,
            "receiptdivisor": 0,
            "receiptplu": 0,
            "referenceid": "O-3004E4A90359408084E4A90359E080E2",
            "selected": false,
            "sktype": "",
            "sktypezerovat": "",
            "stock": 1,
            "sumcustomerpricebase": -1,
            "sumcustomerpricefull": -1.200,
            "sumcustomerpricetax": -0.200,
            "vatid": 1,
            "vatlevel": 20
        },
```

```
{
    "code": "p10",
    "costpricebase": 0.100,
    "costpricefull": 0.110,
    "costpricetax": 0.010,
    "customerpricebase": 1,
    "customerpricefull": 1.100,
    "customerpricetax": 0.100,
    "hour": "17.47",
    "name": "Product 10%",
    "note": "",
    "orderprinterid1": 0,
    "orderprinterid2": 0,
    "plu": 11,
    "qty": -1,
    "receiptdivisor": 0,
    "receiptplu": 0,
    "referenceid": "O-3004E4A90359408084E4A90359E080E2",
    "selected": false,
    "sktype": "",
    "sktypezerovat": "",
    "stock": 1,
    "sumcustomerpricebase": -1,
    "sumcustomerpricefull": -1.100,
    "sumcustomerpricetax": -0.100,
    "vatid": 2,
    "vatlevel": 10
},
{
    "code": "00",
    "costpricebase": 0.100,
    "costpricefull": 0.100,
    "costpricetax": 0,
    "customerpricebase": 1,
    "customerpricefull": 1,
    "customerpricetax": 0,
    "hour": "17.47",
    "name": "Komodita test 0%",
    "note": "",
    "orderprinterid1": 0,
```

```
            "orderprinterid2": 0,
            "plu": 9,
            "qty": -1,
            "receiptdivisor": 0,
            "receiptplu": 0,
            "referenceid": "O-3004E4A90359408084E4A90359E080E2",
            "selected": false,
            "sktype": "",
            "sktypezerovat": "N",
            "stock": 1,
            "sumcustomerpricebase": -1,
            "sumcustomerpricefull": -1,
            "sumcustomerpricetax": 0,
            "vatid": 3,
            "vatlevel": 0
        }
    ]
}
```

data class pre Kotlin:

```
package com.gecora.gepos.data

/**
 * class for JSON import structure from old project MyECR or others
 * note: camel notation is not there because DBASE doesn't know it
 */
data class ReceiptImport(
    val head: Receipt.Head,
    val footer: Receipt.Footer,
    val items: ArrayList<Receipt.Item>
) {

    class Receipt {

        class Head {                    // (KOSH is from MyECR.FoxProProject2024)
            var id: Int? = null         // 2, : id of KOSH
            var date: String? = null    // "20241119",
            var user: String? = null    // "1 (hos)"
            var note: String? = null    // "my test",
```

```
            var sum: Double? = null     // 5.20,
        }

        class Footer {                  // KOSH
            var note: String? = null    // "Thanks for visit"
        }

        class Item {                            // KOSP (is from MyECR.FoxProProject2024)
            var plu: Int? = null                // 1, : id of KOMODITY->KOSP
            var name: String? = null            // "Komodita test 23%"
            var note: String? = null            // "description of my product",
            var sktype: String? = null          // "", : product type of tax office (SK
region)
            // 1="K"(kladnaPol), 2="VO"(vratObaly), 3="V"(vratena), 4="O"(oprava),
5="Z"(zľava), 6="OZ"(odpočZáloha), 7="VP"(výmPouk/voucher)
            var sktypezerovat: String? = null   // "", : the reason why there is zero VAT /
type of tax office (SK region)
            // "", : "N"(oslOdDane), "P"(prenesDanPov), "K"(cestKanc), "T"(použTov),
"U"(umelDiela), "Z"(zberatPredm/starož)
            var vatid: Int? = null              // 1, 2, 3, 4 // if 0, be assigned from
"vatlevel"
            var vatlevel: Double? = null                // 23, 19, 0, 5
            var costpricebase: Double? = null           // 0.500
            var costpricetax: Double? = null            // 0.115
            var costpricefull: Double? = null           // 0.615
            var qty: Double? = null                     // 1
            var customerpricebase: Double? = null       // 0.976
            var customerpricetax: Double? = null        // 0.224
            var customerpricefull: Double? = null       // 1.200
            var sumcustomerpricebase: Double? = null    // 1.951
            var sumcustomerpricetax: Double? = null     // 0.449
            var sumcustomerpricefull: Double? = null    // 2.400
            var hour: String? = null                    // "14.20"
            var selected: Boolean? = null               // false
            var stock: Int? = null                      // 0 or more
            var receiptplu: Int? = null                 // 0 or n>0 if tis miniCalculations
(parent product have the same id)
            var receiptdivisor: Double? = null          // 0 or n>0 if this miniCalculations
then: 1 / n
            var orderprinterid1: Int? = null            // 0  // slip printer 1 ID
```

```
            var orderprinterid2: Int? = null            // 0  // slip printer 2 ID
            var code: String? = null                    // "00020"  // barcode or other
            var referenceid: String? = null             // uuid from exist ticket if this is
refund
        }
    }
}
```

Java class:

```
package com.gecora.gepos.structures.gePosApi;

import java.util.ArrayList;

/**
 * class for JSON import structure from old project MyECR or others
 * note: camel notation is not there because DBASE doesn't know it
 */
public class MyECR {

  public static class Receipt {

    public Head head;
    public Footer footer;
    public ArrayList<Item> items;

    public static class Head {  // (KOSH is from MyECR.FoxProProject2024)
      public Integer id;   // 2, : id of KOSH
      public String date;  // "20241119",
      public String user;  // "1 (hos)"
      public String note;  // "my test",
      public Double sum;   // 5.20,
    }

    public static class Footer {  // KOSH
      public String note;  // "Thanks for visit"
    }

    public static class Item {   // KOSP (is from MyECR.FoxProProject2024)
      public Integer plu;                // 1, : id of KOMODITY->KOSP
```

```
      public String name;                // "Komodita test 23%"
      public String note;                // "description of my product",
      public String sktype;         // "", : product type of tax office (SK region)
      // 1="K"(kladnaPol), 2="VO"(vratObaly), 3="V"(vratena), 4="O"(oprava), 5="Z"(zľava),
6="OZ"(odpočZáloha), 7="VP"(výmPouk/voucher)
      public String sktypezerovat;  // "", : the reason why there is zero VAT / type of tax
office (SK region)
      // "", : "N"(oslOdDane), "P"(prenesDanPov), "K"(cestKanc), "T"(použTov), "U"(umelDiela),
"Z"(zberatPredm/starož)
      public Integer vatid;              // 1, 2, 3, 4 // if 0, be assigned from "vatlevel"
      public Double vatlevel;            // 23, 19, 0, 5
      public Double costpricebase;       // 0.500
      public Double costpricetax;        // 0.115
      public Double costpricefull;       // 0.615
      public Double qty;                 // 1
      public Double customerpricebase;   // 0.976
      public Double customerpricetax;    // 0.224
      public Double customerpricefull;   // 1.200
      public Double sumcustomerpricebase; // 1.951
      public Double sumcustomerpricetax;  // 0.449
      public Double sumcustomerpricefull; // 2.400
      public String hour;                // "14.20"
      public Boolean selected;           // false
      public Integer stock;              // 0 or more
      public Integer receiptplu;         // 0 or n>0 if tis miniCalculations (parent product
have the same id)
      public Double receiptdivisor;      // 0 or n>0 if this miniCalculations then: 1 / n
      public Integer orderprinterid1;    // 0  // slip printer 1 ID
      public Integer orderprinterid2;    // 0  // slip printer 2 ID
      public String code;                // "00020"  // barcode or other
      public String referenceid;         // uuid from exist ticket if this is refund
    }
  }
}
```

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