Buatlah salah aplikasi sederhana berikut ini

1. Buatlah form login untuk masuk ke aplikasi, jika sesuai masuk ke form utama dan jika gagal memunculkan notifikasi gagal
2. Buat juga form utama yang berisi input data

ID : String

Nama : String

Organisasi/instansi : String

Tanggal Daftar : timestamp

Tanggal Kadaluarsa : timestamp

Jenis kendaraan : dropdown [“sepeda motor”, “mobil”]

Uid kartu : String

1. Setelah selesai membuat form pastikan validasi semua data terisi. Khusus untuk uid kartu [gunakan reader](https://downloads.acs.com.hk/images/acr122u_2_1.jpg) ACS 122u untuk melakukan penginputan(data diambil dari uid kartu NFC).
2. Jika data sudah lengkap simpan data ke database
3. Buat form history dan buatlah halaman view untuk salah satu data.
4. Buatlah fungsi untuk mencetak data tersebut ke printer thermal ([gunakan printer TM-T82X](https://www.epson.co.id/For-Work/Printers/POS-Printers/Epson-TM-T82X-POS-Printer/p/C31CH26441))
5. Kompile aplikasi kemudian buatlah dokumentasi untuk menggunakan aplikasi tersebut.
6. Berikut API Login, Jenis Kendaraan dan History yang bisa dicoba untuk memenuhi Point nomor 1, 3 dan 5.

**LIST API**

API LOGIN

URL : http://sandbox.mkpmobile.com:18080/parking/local/user/login

METHOD POST

JSON REQUEST :

{

"username": "pendaringanams",

"password": "admin123",

"deviceId": "11111111"

}

RESPONSE SUKSES :

{

"statusCode": "0000",

"success": true,

"responseDatetime": "2024-03-15T12:43:01.97640697+07:00",

"result": {

"token": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..hGI9fJY1QVmRGc184-dEy7vm3GYfWMa1Z3kQAViBVwA",

"refreshToken": "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpXVCJ9..hGI9fJY1QVmRGc184-dEy7vm3GYfWMa1Z3kQAViBVwA",

"user": {

"id": 14,

"name": "PENDARINGAN",

"username": "pendaringanams",

"password": "",

"type": "MPOS",

"email": "pendaringan@outlook.com",

"rolesId": 9,

"rolesName": "",

"isAdmin": "N",

"isInternal": "N",

"active": "Y",

"ouList": null,

"taskList": "",

"ouDefaultId": 17,

"policyDefaultId": 6,

"ouCode": "000000000000020",

"ouName": "PENDARINGAN",

"pinUser": 999999

},

"mKey": "",

"merchantKey": "23wY0T-6NjtHpDuVGL2UR3uHQP5VmEARzEpD117KbGNcNLyRTz9EwbtNsUY-dNMim-kTTEyZKTSlevYG5KP6l\_kSgEZgDVQSM6a0fKIo1O7RQg22kt4oCTtBhPsUVu2994Pzl9hzwR5qLk9IZ1VG\_scAhbg51e3i6K-dmhEp7cEXgr0TE1mOMI3uLTryam6-OJW4Ux2Lj4uKCcodJ29qhDp9kDeLhWTt-wHH4jALQ8VnLG700uin2yU9X7uFPtqOOGkfroNOuNn9XEeObDroHo3LqHcqNRjWENj3oyivvnzr",

"additionalInfo": null,

"flagProgressive": ""

},

"message": ""

}

RESPONSE GAGAL :

{

"statusCode": "0006",

"success": false,

"responseDatetime": "2024-03-15T12:45:00.665329105+07:00",

"result": null,

"message": "Wrong Password"

}

API GET PRODUCT

URL : http://sandbox.mkpmobile.com:18080/parking/local/product/list

METHOD POST

JSON REQUEST :

{

"keyword":"",

"ascDesc":"ASC",

"columnOrderName":"sortId"

}

RESPONSE SUKSES :

{

"statusCode": "0000",

"success": true,

"responseDatetime": "2024-03-15T12:48:38.929311972+07:00",

"result": [

{

"ouId": 17,

"ouCode": "000000000000020",

"ouName": "PENDARINGAN",

"productId": 1,

"productCode": "MKP-RD-001",

"productName": "SEPEDA MOTOR",

"serviceFee": 1,

"isPctServiceFee": "N",

"isPctServiceFeeMember": "N",

"serviceFeeMember": 1,

"productRules": {

"ouId": 17,

"productId": 1,

"price": 1,

"baseTime": 0,

"progressiveTime": 120,

"progressivePrice": 1000,

"isPct": "N",

"progressivePct": 100000,

"maxPrice": 0,

"is24h": "C",

"overnightTime": "-120",

"overnightPrice": 2000,

"gracePeriod": 15,

"flgRepeat": "Y"

}

},

{

"ouId": 17,

"ouCode": "000000000000020",

"ouName": "PENDARINGAN",

"productId": 7,

"productCode": "MKP-MBL-007",

"productName": "MOBIL BARANG BESAR",

"serviceFee": 1,

"isPctServiceFee": "N",

"isPctServiceFeeMember": "N",

"serviceFeeMember": 1,

"productRules": {

"ouId": 17,

"productId": 7,

"price": 1,

"baseTime": 5,

"progressiveTime": 1,

"progressivePrice": 2,

"isPct": "N",

"progressivePct": 200,

"maxPrice": 0,

"is24h": "Y",

"overnightTime": "0",

"overnightPrice": 2,

"gracePeriod": 0,

"flgRepeat": "N"

}

},

{

"ouId": 17,

"ouCode": "000000000000020",

"ouName": "PENDARINGAN",

"productId": 10,

"productCode": "TTBUS-002",

"productName": "TRUCK TRONTON&BUS",

"serviceFee": 1,

"isPctServiceFee": "N",

"isPctServiceFeeMember": "N",

"serviceFeeMember": 0,

"productRules": {

"ouId": 17,

"productId": 10,

"price": 100,

"baseTime": 0,

"progressiveTime": 0,

"progressivePrice": 0,

"isPct": "N",

"progressivePct": 0,

"maxPrice": 100,

"is24h": "Y",

"overnightTime": "0",

"overnightPrice": 100,

"gracePeriod": 0,

"flgRepeat": "N"

}

},

{

"ouId": 17,

"ouCode": "000000000000020",

"ouName": "PENDARINGAN",

"productId": 11,

"productCode": "CD-001",

"productName": "COLD DIESEL",

"serviceFee": 1,

"isPctServiceFee": "N",

"isPctServiceFeeMember": "N",

"serviceFeeMember": 0,

"productRules": {

"ouId": 17,

"productId": 11,

"price": 2000,

"baseTime": 3,

"progressiveTime": 3,

"progressivePrice": 1000,

"isPct": "N",

"progressivePct": 50,

"maxPrice": 0,

"is24h": "C",

"overnightTime": "-1425",

"overnightPrice": 5000,

"gracePeriod": 0,

"flgRepeat": "Y"

}

}

],

"message": ""

}

API GET LIST TRX

URL : http://sandbox.mkpmobile.com:18080/parking/local/report-trx/trx-list

METHOD POST

JSON REQUEST :

{

"keyword":"",

"typeCard":"",

"dateFrom":"2021-01-01",

"dateTo":"2021-12-31",

"limit":1,

"offset":0,

"draw":1,

"ascDesc":"DESC",

"columnOrderName":""

}

RESPONSE :

"statusCode": "0000",

"success": true,

"responseDatetime": "2024-03-15T13:05:38.893451204+07:00",

"result": {

"countTrxList": 97,

"data": [

{

"\_id": "61af60d943d2fee1675c12d7",

"docNo": "8X5G211207200000517",

"grandTotal": 3,

"checkInDatetime": "2021-12-07 20:24:04",

"cardNumber": "",

"cardNumberUuid": "",

"typeCard": "07",

"ouCode": "000000000000020",

"vehicleNumberIn": "",

"gateIn": "192.168.1.168",

"qrText": "SvNz8pRhDTJbGqpJHqKqPJAY9KrDJZH5AVCCdBS5yuI8O2lOC\_E=JY6gz5FcvkJqoxU5",

"qrTextLostTicket": null,

"statusLostTicket": null,

"trxInvoiceItem": [

{

"docNo": "8X5G211207200000517",

"productId": 1,

"productCode": "MKP-RD-001",

"productName": "SEPEDA MOTOR",

"isPctServiceFee": "N",

"serviceFee": 1,

"serviceFeeMember": 0,

"price": 2,

"baseTime": 0,

"progressiveTime": 1,

"progressivePrice": 1,

"isPct": "N",

"progressivePct": 50,

"maxPrice": 10,

"is24H": "",

"overnightTime": "0",

"overnightPrice": 0,

"gracePeriod": 0,

"flgRepeat": "",

"totalAmount": 3,

"totalProgressiveAmount": 0

}

]

}

]

},

"message": ""

}