package com.sharehub.sharehub.sharehub

import android.annotation.SuppressLint

import android.app.Activity

import android.app.PendingIntent

import android.content.Intent

import android.content.IntentFilter

import android.nfc.NfcAdapter

import android.nfc.tech.IsoDep

import android.nfc.tech.MifareClassic

import android.nfc.tech.MifareUltralight

import android.nfc.tech.Ndef

import android.nfc.tech.NfcA

import android.nfc.tech.NfcB

import android.nfc.tech.NfcF

import android.nfc.tech.NfcV

import android.os.Bundle

import android.widget.Button

import android.widget.Toast

import com.sharehub.sharehub.sharehub.Statics.CurrentCallbackFromRequestNfc

class ReadNfc : Activity() {

private val techList = arrayOf(arrayOf(NfcA::class.java.name, NfcB::class.java.name, NfcF::class.java.name, NfcV::class.java.name, IsoDep::class.java.name, MifareClassic::class.java.name, MifareUltralight::class.java.name, Ndef::class.java.name))

override fun onCreate(savedInstanceState: Bundle?) {

super.onCreate(savedInstanceState)

setContentView(R.layout.read\_nfc)

}

override fun onResume() {

super.onResume()

// creating pending intent:

val pendingIntent = PendingIntent.getActivity(this, 0, Intent(this, javaClass).addFlags(Intent.FLAG\_ACTIVITY\_SINGLE\_TOP), 0)

// creating intent receiver for NFC events:

val filter = IntentFilter()

filter.addAction(NfcAdapter.ACTION\_TAG\_DISCOVERED)

filter.addAction(NfcAdapter.ACTION\_NDEF\_DISCOVERED)

filter.addAction(NfcAdapter.ACTION\_TECH\_DISCOVERED)

// enabling foreground dispatch for getting intent from NFC event:

val nfcAdapter = NfcAdapter.getDefaultAdapter(this)

nfcAdapter.enableForegroundDispatch(this, pendingIntent, arrayOf(filter), this.techList)

val backButton = findViewById<Button>(R.id.read\_nfc\_back\_button)

backButton.setOnClickListener { view ->

run {

if (Statics.CurrentCallbackFromRequestNfc != null) {

Statics.CurrentCallbackFromRequestNfc!!(null)

}

}

}

}

override fun onPause() {

super.onPause()

// disabling foreground dispatch:

val nfcAdapter = NfcAdapter.getDefaultAdapter(this)

nfcAdapter.disableForegroundDispatch(this)

}

@SuppressLint("SetTextI18n")

override fun onNewIntent(intent: Intent) {

if (intent.action == NfcAdapter.ACTION\_TAG\_DISCOVERED) {

Statics.CurrentCallbackFromRequestNfc?.let { it(ByteArrayToHexString(intent.getByteArrayExtra(NfcAdapter.EXTRA\_ID))) }

}

else {

if (Statics.CurrentCallbackFromRequestNfc != null) {

Statics.CurrentCallbackFromRequestNfc!!(null)

}

}

}

private fun ByteArrayToHexString(inarray: ByteArray): String {

val out = StringBuilder()

for (anInarray in inarray) {

out.append(anInarray.toInt() and 0xff)

out.append(",")

}

return out.toString().substring(0, out.length - 1)

}

}