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// TestCardData.cpp - TEST CARD DATA SELECTION FUNCTION
//
// MAINTENANCE HISTORY
// DATE          PROGRAMER AND DETAILS
// 19-09-13      JS          Original
//
//-----

#include <string>           // C++ string declarations
#include <iostream>        // C++ I/O stream declarations
using namespace std;      // Expand the standard namespace
#include "SelectCardData.h" // Declarations

//-----

// DISPLAY A RESULT

void
DisplayResult (
    const CardData_t *cardData) // Selected card data
{
    switch (cardData->errorCode) {
    case NO_ERROR:
        cout << "Recording: " << cardData->recording << '\n';
        break;
    case PARITY_ERROR:
        cout << "Error: PARITY_ERROR\n";
        break;
    case LRC_ERROR:
        cout << "Error: LRC_ERROR\n";
        break;
    case READER_IO_ERROR:
        cout << "Error: READER_IO_ERROR\n";
        break;
    case DATA_MISMATCH_ERROR:
        cout << "Error: DATA_MISMATCH_ERROR\n";
        break;
    case PARAMETER_STRING_ERROR:
        cout << "Error: PARAMETER_STRING_ERROR\n";
        break;
    default:
        cout << "Error: error code " << cardData->errorCode << '\n';
        break;
    }
}

//-----

// MAIN LINE

int
main ()
{
    CardData_t    m1CardData;    // Magnetic track 1 data
    CardData_t    m2CardData;    // Magnetic track 2 data
    CardData_t    icCardData;    // IC with contacts data
    CardData_t    rfCardData;    // RF identification data
    CardData_t    selCardData;   // Selected card data

    m1CardData.errorCode = NO_ERROR;

```

```
m1CardData.recording = "Magnetic Track 1 Card Data";
m2CardData.errorCode = NO_ERROR;
m2CardData.recording = "Magnetic Track 2 Card Data";
icCardData.errorCode = NO_ERROR;
icCardData.recording = "IC with Contacts Card Data";
rfCardData.errorCode = NO_ERROR;
rfCardData.recording = "RF Identification Card Data";

selCardData = SelectCardData ("M1 | M2",
    &m1CardData, &m2CardData, &icCardData, &rfCardData);
DisplayResult (&selCardData);

selCardData = SelectCardData ("M1 & M2",
    &m1CardData, &m2CardData, &icCardData, &rfCardData);
DisplayResult (&selCardData);

icCardData.errorCode = PARITY_ERROR;
m1CardData.recording = "Magnetic Card Data";
m2CardData.recording = "Magnetic Card Data";
selCardData = SelectCardData ("IC | (M1 & M2)",
    &m1CardData, &m2CardData, &icCardData, &rfCardData);
DisplayResult (&selCardData);

return 0;
}
```