# ACR38 CCID Smart Card Reader

## School Demo Guide

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# 1.0. Getting Started

## 1.1. Program Description

This Demo is an emulation of the possible uses of the ACR38 CCID Smart Card Reader and ACOS card in a school campus. The card can be used as Student ID for Gate Pass, Library Card for Library, and as an E-purse for purchasing at the canteen, all this in one card.

## 1.2. Features

The demo simulates the following applications:

- smart card-enabled Gate Pass application
- smart card-enabled Library application
- smart card-enabled Canteen application

## 1.3. Supported Card Type

ACOS Card

## 1.4. Supported Language

English

## 1.5. Supported Driver Platform
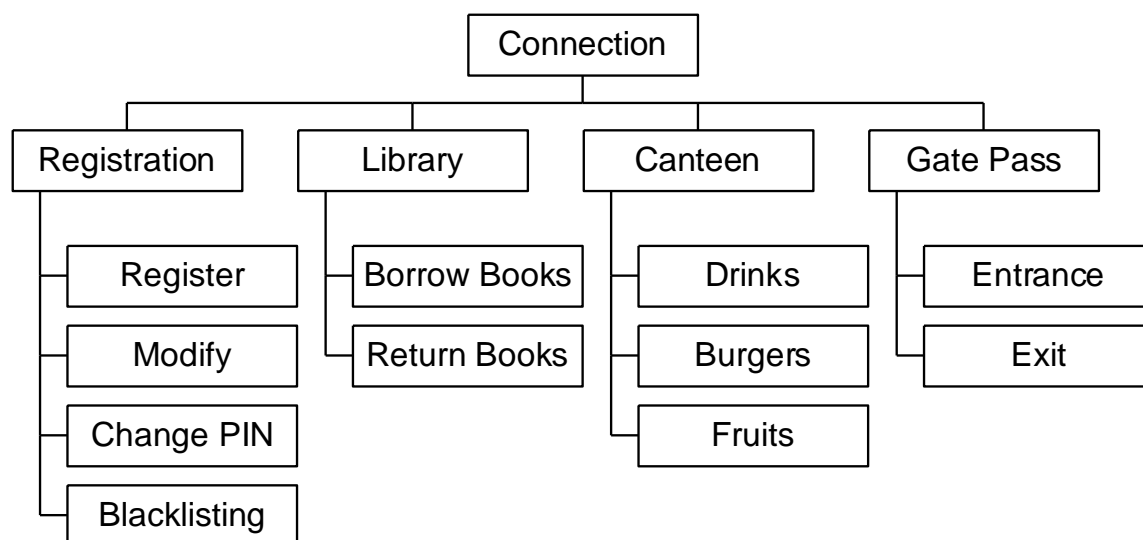
ACR38 CCID PC/SC Driver

## 1.6. System Requirements

- IBM-Compatible Personal Computer with Intel 800 MHz or higher
- Microsoft Windows 98/ME/2000/XP/2003/Vista
- Resolution must be at least 800 X 600 pixels
- Color quality must be at least True Color (24 bit)
- DPI Settings must be Normal size (96 dpi)

## 1.7. Demo Visual Diagram

```
                          ┌──────────────┐
                          │  Connection  │
                          └──────────────┘
        ┌────────────────┬───────────┴───────┬──────────────────┐
┌──────────────┐  ┌──────────────┐  ┌──────────────┐  ┌──────────────┐
│ Registration │  │   Library    │  │   Canteen    │  │  Gate Pass   │
└──────────────┘  └──────────────┘  └──────────────┘  └──────────────┘
   ┌──────────────┐   ┌──────────────┐   ┌──────────────┐   ┌──────────────┐
   │   Register   │   │ Borrow Books │   │    Drinks    │   │   Entrance   │
   └──────────────┘   └──────────────┘   └──────────────┘   └──────────────┘
   ┌──────────────┐   ┌──────────────┐   ┌──────────────┐   ┌──────────────┐
   │    Modify    │   │ Return Books │   │   Burgers    │   │     Exit     │
   └──────────────┘   └──────────────┘   └──────────────┘   └──────────────┘
   ┌──────────────┐                      ┌──────────────┐
   │  Change PIN  │                      │    Fruits    │
   └──────────────┘                      └──────────────┘
   ┌──────────────┐
   │ Blacklisting │
   └──────────────┘
```
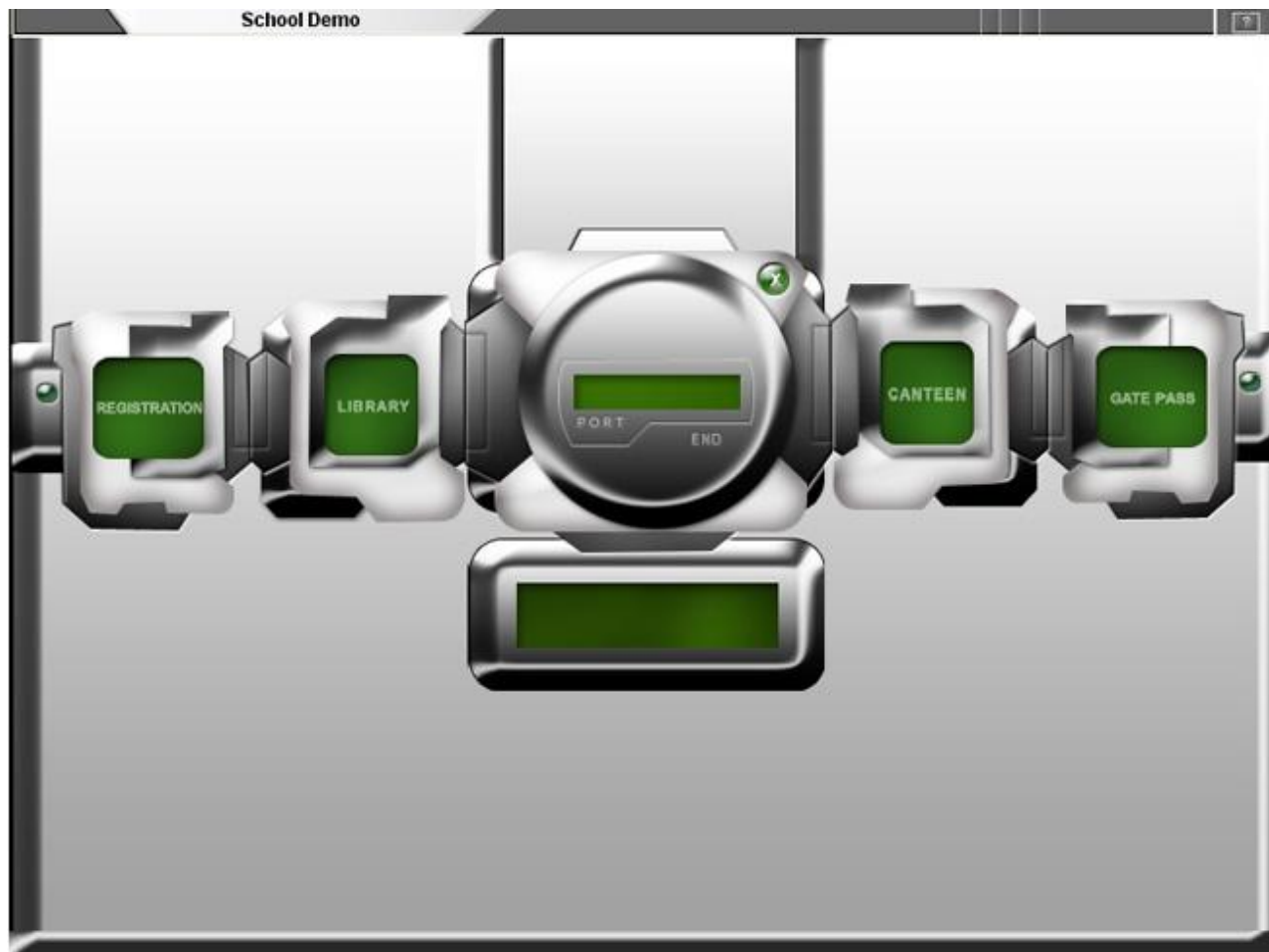
## 2.0. Connection Screen

This is where you're going to set the ACR38 CCID reader connection. Choose the port where the ACR38 CCID reader was connected then click "START".
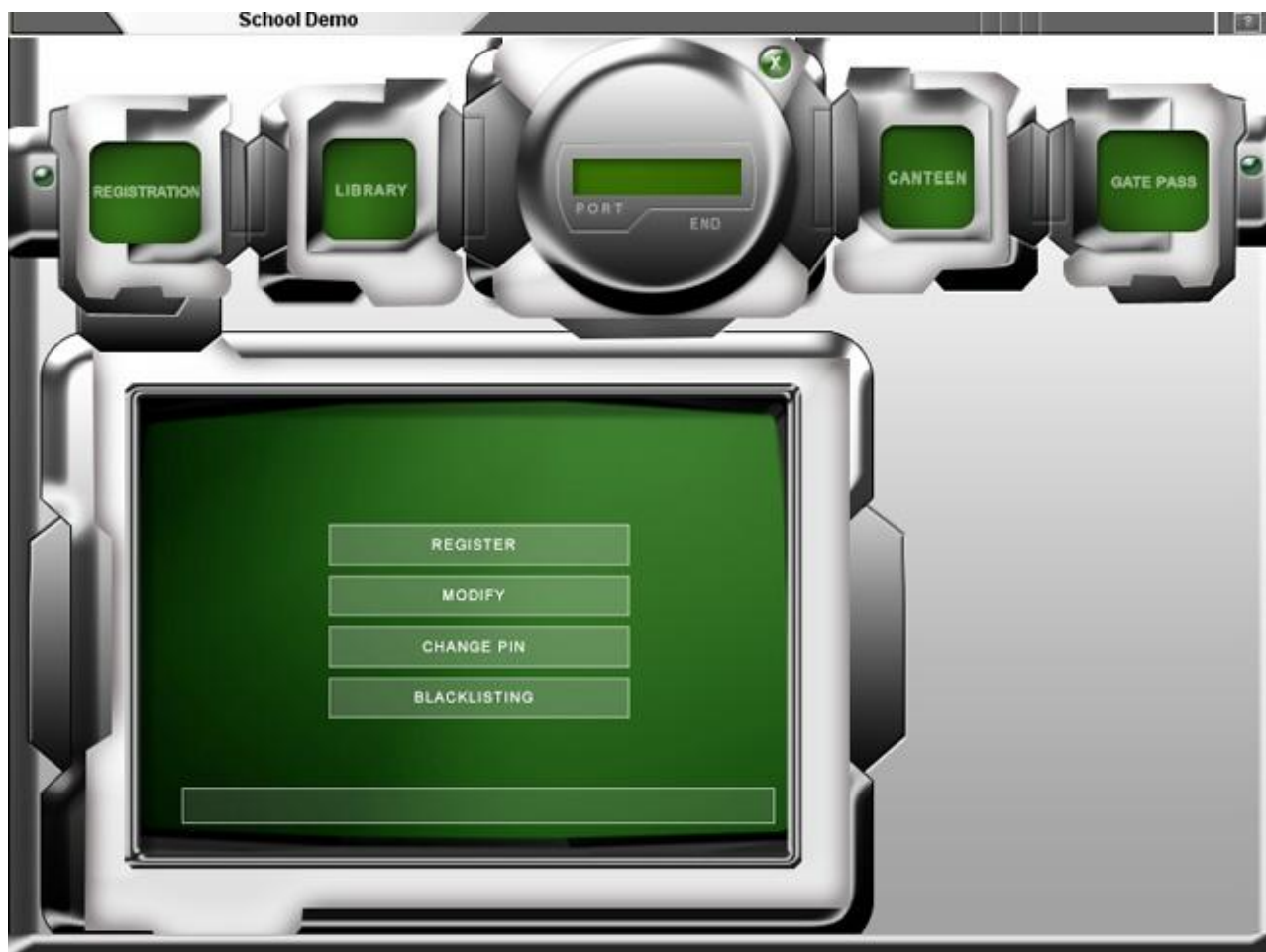
# 3.0. Main

This is the main screen. You can choose the Library demo, Canteen demo, Gate Pass demo, or Card Registration demo functions. If you haven't got a card registered, go to Registration first.
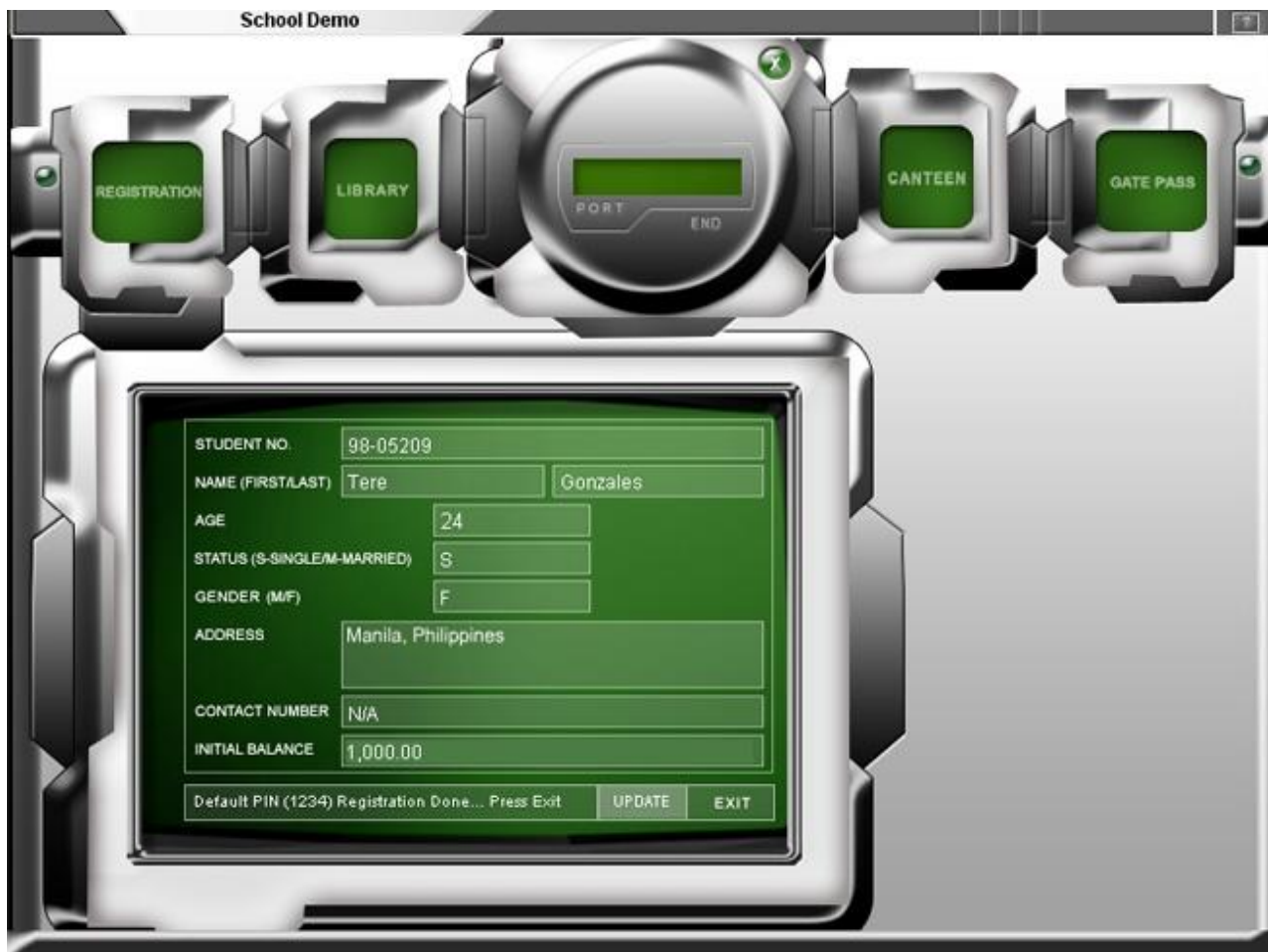
# 4.0. Registration Menu

From here you can choose to register a card, modify some entries in a previously registered card, change the card PIN code, or manage the blacklisting.

## 5.0. Registration

This is where you can format and initialize the card for use in school demo. You need to register the card before you can use it in the demo.

Just fill-up the information sheet, insert the ACOS card then click SUBMIT.

# 6.0. Modify Card

This is where you can modify some information written in a previously formatted card. You cannot modify the student no, name and sex. You also need to key-in the card PIN code for the changes to be saved in the card (Default PIN is 1234). *Note that this will not change the card PIN code but rather verify if you enter a correct PIN before saving the changes. If you want to change the PIN code, go to Change PIN in the Registration Menu. Also note that when you change the Balance Top-Up, the value will not overwrite the previous balance but rather add it up. Ex. If the card previous balance is 1000 then you change it to 2000, the balance will now become 3000.*

At the Registration Menu, insert the previously formatted card then click Modify. After the card was verified, the registered information will be shown. Make the changes and enter the card PIN code then, click UPDATE.

## 7.0. Change PIN

This is where you can change the card PIN code. Enter the old PIN code then enter your desired new PIN. Enter the new PIN again for confirmation in the Confirm new PIN code box then click UPDATE.

## 8.0. Blacklisting

This is where you can manage the registered students list and the blacklisted students. You cannot use the card in other parts of the demo if it is not listed under the registered students list or when it is blacklisted.
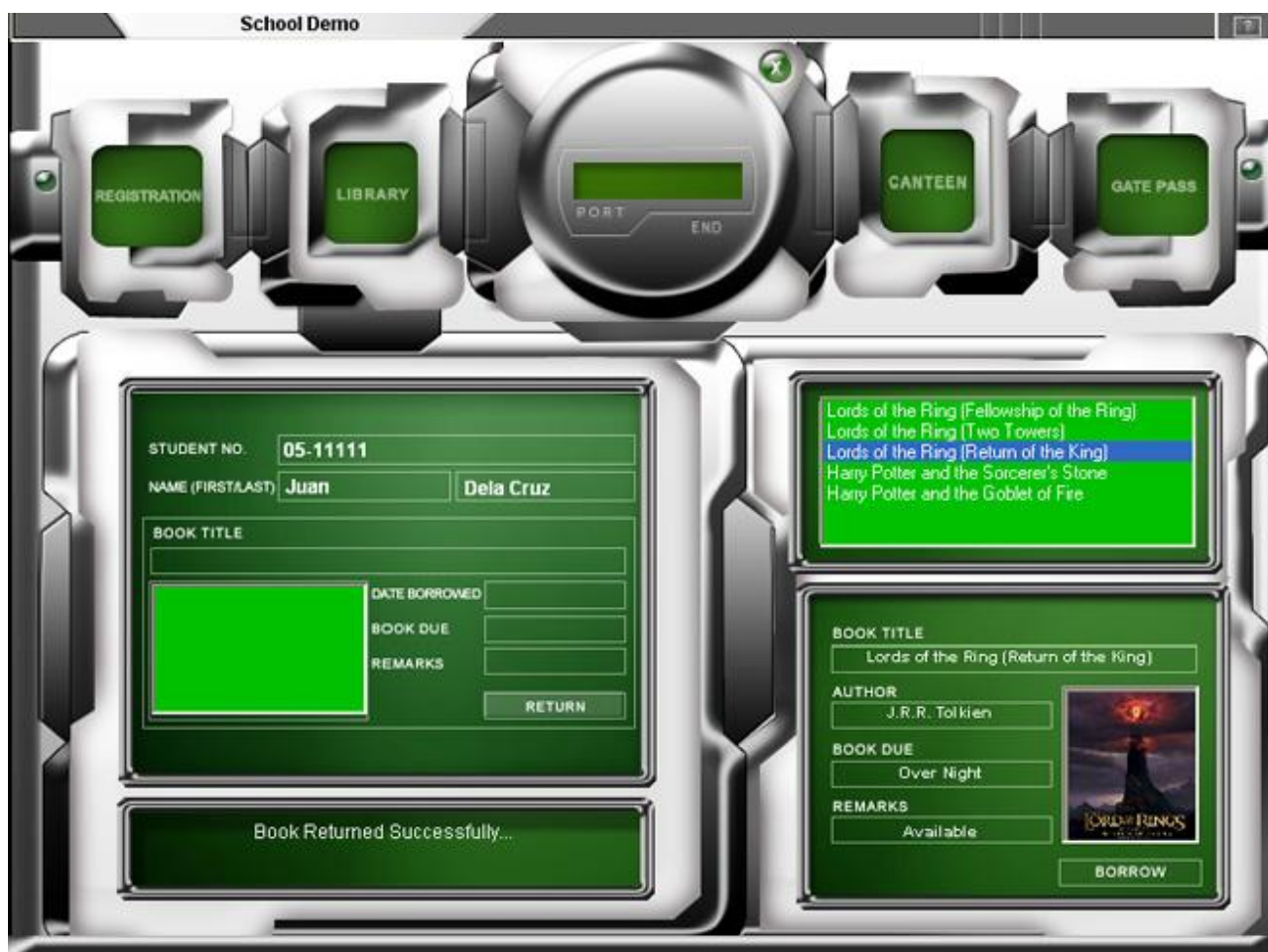
When you register a card, the name is automatically included in the registered students list. To blacklist a student, click the student name from the registered students list (left screen) then click ADD button. To remove the name from the blacklist, click the name of the student from the blacklist (right screen) then click REMOVE. You can also remove a registered student by selecting the student name from the registered student list and clicking the REMOVE FROM REGISTERED button.

# 9.0. Library

This is a demo of ACR38 CCID wherein there is a library and an ACOS card used as a multi-function card (Student ID, **Library Card**, E-purse). When the card used is not registered or removed from registered students and/or under blacklisted, then the demo will deny library transactions such as returning or borrowing.

Insert card then click LIBRARY. After the card has been verified, the card information will be displayed including the book(s) borrowed if any. To return a book, select from the book list then click RETURN.

# 10.0. Library

To borrow book(s), select from the book list at the right screen and see remarks if it is available, then click BORROW button.
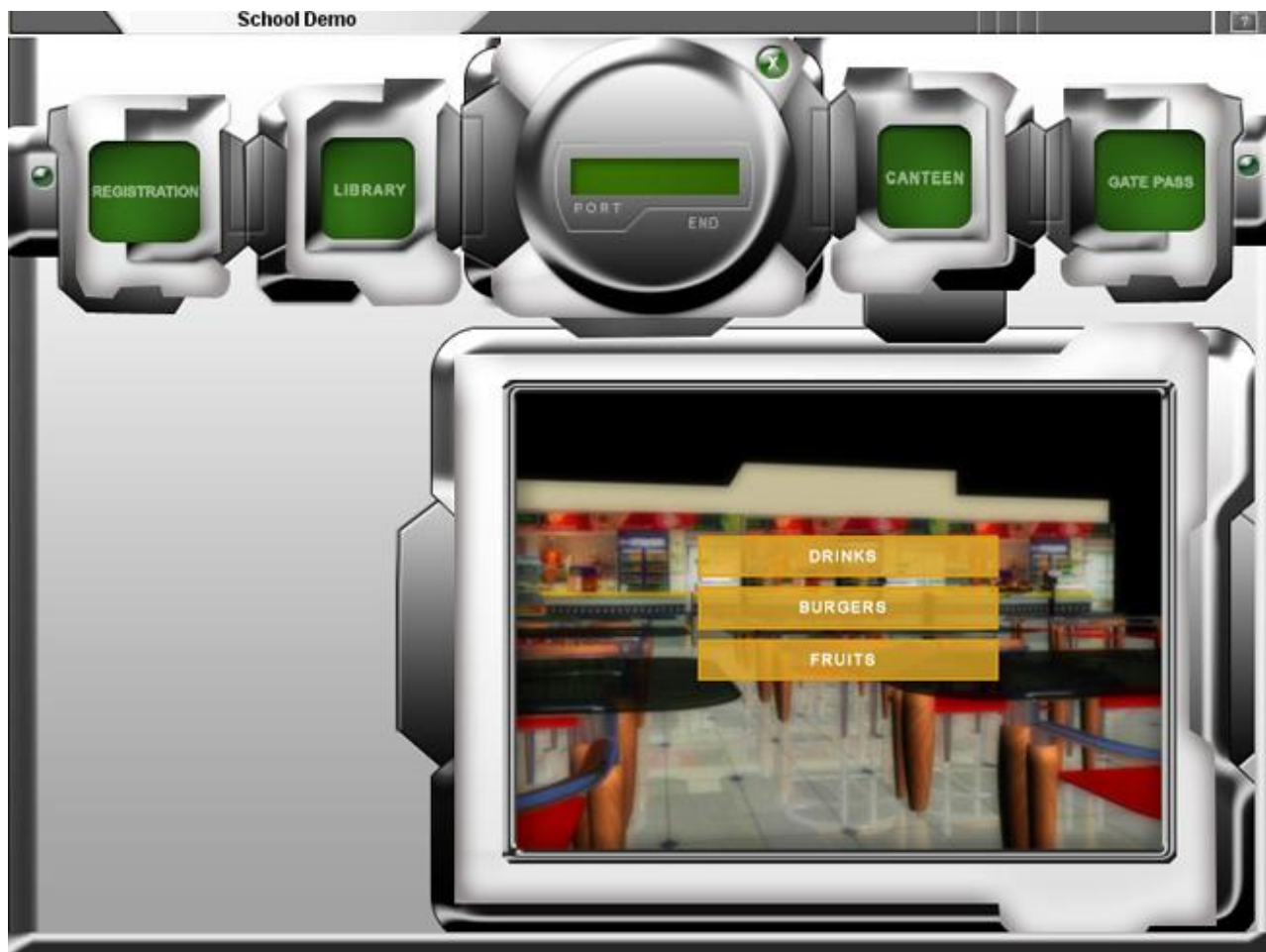
## 11.0. Canteen

This is a demo of ACR38 CCOD wherein there is a canteen and an ACOS card used as a multi-function card (Student ID, Library Card, **E-purse**). When the card used is not registered or removed from registered students and/or under blacklisted, then the demo will deny any purchase transactions.

Click CANTEEN then select a category you want to buy (Drinks, Burgers, Fruits).

## 12.0. Canteen

Next, with an inserted card, click which item you want to buy.

# 13.0. Gate Pass

This is a demo of ACR38 CCID using a School gate and an ACOS card as a multi-function card (**Student ID**, Library Card, E-purse). This demo implements flag warning. When the card is used to enter and used again for entry without using it to exit first, it will give a warning message or vice versa. When the card used is not registered, removed from registered students or under the blacklisted, the demo will not proceed for entry/exit.

Click GATE PASS, choose either GATE ENTRANCE or GATE EXIT, then insert card.