*'User\_Pointer.LowByte = ERead UPA\_L 'Read the low and high bytes of...*

*'User\_Pointer.HighByte = ERead UPA\_H 'user pointer address from EEprom*

Byte\_Var = **ERead** num\_UHE

**If** Byte\_Var = 0XFF **Then** *'If the value read from EEprom is OXFFFF then this is a new chip so....*

**EWrite** num\_Users, [0x00] *'Initialize total number of users to zero*

**EWrite** num\_UHE, [0X00] *'Initialize number of User histories to zero*

**EWrite** num\_MHE, [0X00] *'Initialize number of Manager histories to zero*

**EndIf**

**Cls**

**Print** "Starting!"

Pause 3000

**If** SD\_Detect = 0 **Then** *' a zero means we have detected a ground (SD card has been inserted)*

**Cls**

**Print** "SD Detected!"

Pause 3000

**GoSub** Init\_SD *'\*\*\*\*\*\*\*\*\*\*\*\* Only do one time when SD card detected.*

**GoSub** Read\_SD *'This sub reads and writes users and managers to memory*

**Else**

**Cls**

**Print** "No SD.."

Pause 3000

*'GoSub Init\_SD '\*\*\*\*\*\*\*\*\*\*\*\* Only do one time when SD card detected.*

**End If**

Start2:

**GoSub** Read\_Tag

**GoSub** Check\_Tag

**If** Response = 1 **Then**

**Cls**

**Print** "Match!"

Pause 1000

**GoSub** Write\_UH

**Cls**

**Print** "User H Done"

Pause 2000

**GoTo** Start2

**End If**

**Cls**

**If** Response = 0 **Then Print** "No Match"

Pause 1000

**GoTo** Start2

**Stop**

**GoSub** Write\_Users\_SD

**Cls**

**Print** "Done"

Pause 3000

Start:

*'Cls*

*'Print "Starting..."*

*'Pause 3000*

Start2:

**GoSub** Read\_Tag

**Cls**

**Print** "Checking TAG"

*' Pause 2000*

**GoSub** Check\_Tag

**If** Response = 1 **Then**

**Cls**

**Print At** 1,1, "Got a match"

**Print At** 2,1, **Str** UserIn

**GoSub** WriteH

**Cls**

**Print** "History DONE!"

Pause 2000

**GoTo** Start2

**Else**

**Cls**

**Print** "No Match"

Pause 2000

**GoTo** Start2

**EndIf**

**Stop**