# START:

# FUNC Login:

**INPUT** Username and password entry

**IF** Username/Password == CORRECT:

**GOTO**: MainProgram

**ELSE**:

Return error message

**GOTO**: Login

**IF** User clicked on “JOIN NOW”

**GOTO**: SignUp

**ELSE**:

**GOTO**: Login

**END FUNC**

### FUNC SignUp:

**INPUT** Username/Password/Security Number

**IF** All boxes filled in **AND** “sign up” clicked:

Return success message

**GOTO**: Login

**ELSE**:

Return error message

**GOTO**: SignUp

**IF** “cancel” clicked:

**GOTO**: Login

**END FUNC**

### FUNC MainProgram:

0 = SysTAB

1 = GameTAB

2 = AboutTAB

3 = OtherTAB

**INPUT** select a tab

**IF INPUT ==** 0:

**GOTO**: SysTAB

**ELSE IF INPUT ==** 1:

**GOTO:** GameTAB

**ELSE IF INPUT ==** 2:

**GOTO:** AboutTAB

**ELSE IF INPUT ==** 3:

**GOTO:** OtherTAB

**END FUNC**

### FUNC SysTAB:

**INPUT** Widget Chosen

**IF INPUT ==** CPUWidget:

Return CPU information

**ELSE IF INPUT** == GPUWidget:

Return GPU information

**ELSE IF INPUT** == RAMWidget:

Return RAM information

**ELSE IF INPUT** == HDDWidget:

Return HDD information

**END FUNC**

### FUNC GameTAB:

**INPUT** Game Chosen

**GOTO**: RunTest + **INPUT**

**END FUNC**

### FUNC AboutTAB:

Return AboutTAB information

**END FUNC**

### FUNC OtherTAB:

**INPUT** Option Chosen

**IF INPUT** == Sign Out Option:

**GOTO**: Login

**ELSE IF INPUT ==** ChangePassword:

**GOTO:** ChangePassword

**ELSE IF INPUT ==** EditAccounts:

**GOTO:** EditAccounts

**ELSE IF INPUT** == Fetch Online Resources

**GOTO**: FetchResources

**END FUNC**

### FUNC RunTest

**GET** Arguments passed from GameTAB

**IF** CPU Information >= Game CPU Information:

Return tick

**ELSE IF** GPU Information >= Game GPU Information:

Return tick

**ELSE IF** RAM Information >= Game RAM Information:

Return tick

**ELSE IF** HDD Information >= Game HDD Information:

Return tick

**ELSE:**

Return cross

**END FUNC**

### FUNC FetchResources:

**GET** CPUInfo.HTML

**IF** Exception was raised:

Return error message

**ELSE IF**:

Return success message

**GET** GPUInfo.HTML

**IF** Exception was raised:

Return error message

**ELSE IF**:

Return success message

**END FUNC**

### FUNC EditAccounts

accountList = **GET**(all accounts)

**IF** User is Admin:

**OUTPUT** accountList

**INPUT =** selectedAccount

**IF** User clicked “Make Admin”:

selectedAccount.MakeAdmin

**ELSE IF** User clicked “Remove Admin”:

selectedAccount.RemoveAdmin

**ELSE:**

**OUTPUT** Error “Not Admin”

Return

**ENDFUNC**

### FUNC ChangePassword

**INPUT** securityInput

securityCode = User.SecurityCode

**IF** securityInput == securityCode:

**INPUT** newPassword

**IF** newPassword meets criteria:

newPassword = User.Password

**ELSE:**

**OUTPUT** Error “Does not meet criteria”

**ELSE:**

**OUTPUT** Error “Incorrect Security Code”

**GOTO** ChangePassword

**ENDFUNC**