Space Game Client/Server PC Setup

For Server setup, skip #4 and #5
For Client setup, skip #11

1) Setup Offline Account
    -No password is necessary (leave blank)

2) Update Windows 10 to most current version
    -We should try to have the same OS version (x.x.x.x.x) build on each unit

3) Automate Account Login:
    -Search Windows for **Regedit** (registry editor) and open
    -Navigate to *HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\WindowsNT \Current Version\Winlogon*
    -Double click *AutoAdminLogon*
    -Modify "*Value Data*": **1**

4) Disable Edge Swiping:
    -Search Windows for **Local Group Policy Editor** and open
    -Navigate to *Computer Configuration/Administrative Templates/Windows Components/Edge UI* → **Disable**

5) Display Settings:
    -Search Windows for **Display Settings** and open
    -*Rotation Lock*: **On**
    -*Display Orientation*: **Landscape**

6) Sleep/Power Settings:
    -Search Windows for **Power & Sleep** and open
    -*On Battery Power, Turn Off After*: **Never**
    -*When Plugged In, Turn Off After*: **Never**
    -*On Battery Power, PC Goes to Sleep After*: **Never**
    -*When Plugged In, PC Goes to Sleep After*: **Never**

7) Install Wu10man:
    -Navigate to *https://github.com/WereDev/Wu10Man/releases*
    -Download installer and install
    -Turn off all Windows updating options (x3)

8) Install Space Game Client/Server Application:
    -Navigate to https://github.com/AdenInteractive/bam-kazam-space-game
     and download the repository (*code* → *download .zip*) … **or** …
    -Utilize the site's Space Game USB backup drive
    -Copy the *Client_#* or *Server* folder onto the desktop (*bam-kazam-space-game-main* → *Builds*)

9) Create Batch Script for Automated App Launch:
-Right click the bottom left Windows icon
-Select *Run*, and enter *shell:startup*
-Within the folder, create a new text file and insert the following lines:

      cd C:\Users\"Account Name"\"Client # or Server"

      timeout /t 60

      Bam Kazam Space Game

-Click "Save As" and set "Save As" type to "All Files"
-Set and save the file name to "ClientLaunch.bat" or "ServerLaunch.bat"

10) Set Windows Restart Time within Task Scheduler
-Search Windows for **Task Scheduler** and open
-Within the *Actions* window, select *Create Basic Task*
-Within the pop-up window, enter "Restart Computer" and push *Next*
-Ensure that *Daily* is selected, then push *Next*
-Ensure that the task "Starts" today, and set the time to 7:00 AM (or other)
-Ensure that the task recurs every "1" days, then push *Next*
-Ensure that *Start a Program* is selected, then push *Next*
-Enter the following:

      Program/script: C:\Windows\System32\shutdown.exe

      Add arguments: /r

-Push *Next*, then push *Finish*

11) Configure Bios
-Power-on or Restart the computer
-During the boot process, press F2 (or other) to enter BIOS
-Navigate to Power Management → AC Recovery
-Select **ON**, Press **ESC**, the select **Save and Exit**
-Note: This process might slightly differ from one PC to another

12) Set IP Addresses
-Search Windows for **Network Connections** and open
-*Server* → double-click *Ethernet*; *Client* → double-click *Wi-Fi*
-Select *Internet Protocol Version 4* and push *Properties*
-After selecting both "Use the following…" buttons, input these items:

      -*IP address*: 192.168.50.xxx (xxx = appropriate client/server octet)

      -*Subnet mask*: 255.255.255.0

      -*Default gateway*: 192.168.50.1

      -*Preferred DNS server*: 192.168.50.1

-Press OK to confirm these changes, and then press OK on the next window

13) Install the Arduino IDE
-Navigate to https://www.arduino.cc/en/software and download/install the IDE software
-Refer to the README file within the *Arduino Scripts* folder for further directions

14) Configure XML Files
-Refer to the *Space Game Client Server XML* document for details