**Operating system Pros n Cons:**

* Microsoft Windows
  + Pros
    - User friendly
    - High software compatibility  
      Graphical rendering optimization
    - Microsoft enterprise applications support
      * Word, Powerpoint, Excel
    - Configurable hardware support
  + Cons
    - Security Vulnerability
    - Pre-installed bloatware
    - Update compatibility issues
    - Expensive licensing fees
* macOS
  + Pros
    - User Friendly
    - High Stability
    - Strong Security
    - Apple product integration
  + Cons
    - Low software compatibility
    - Limited to official Apple hardware
    - Limited Customization
    - High hardware cost
* Linux
  + Pros
    - Open source
      * Free to use and modify
    - Strong Security
    - Configurable hardware support
    - Runs efficiently on old hardware
  + Cons
    - Limited Drivers for hardware
    - Low software compatibility
    - User unfriendly

**Business OS Recommendations:**

* Interior Design
  + Windows
    - It is the appropriate choice due to the high software compatibility and support for the industry tools which would be required.

MacOS

* + - It is an Inappropriate decision largely due to large hardware costs alongside little to no considerable advantage from apple product connectivity.
  + Linux
    - It is an Inappropriate decision due to poor software compatibility with professional design software.
  + Best choice
    - **Windows**
* Social media advertising
  + Windows
    - It is an Inappropriate choice of OS mostly due to poor security and no required unique software.
  + MacOS
    - An appropriate choice due to high security being mandatory for a social media company, the design focused ecosystem, as well as integration with other apple devices.
  + Linux
    - Poor software compatibility and limited support overall are the main reasons for this being an inappropriate choice.
  + Best choice
    - **MacOS**
* Non-profit
  + Windows
    - Windows is potentially inappropriate due to it’s poorer security, with non-profits often dealing with sensitive data.
  + MacOS
    - MacOs is an inappropriate choice due to limited hardware customization that may be require, as well as the high cost of that hardware.
  + Linux
    - Optimal choice due to customizability, being lightweight and efficient, high security, and cost effectiveness.
  + Best choice
    - **Linux**