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Lab - Research Laptop Specifications

Laptops often use proprietary parts. To find information about the replacement parts, you may have to research the website of the laptop manufacturer.

Before you begin this lab, you need to know some information about the laptop.

Your instructor will provide you with the following information:

Laptop Manufacturer:	***Dell Inc.***
Laptop Model Number:	***G3 15 3579***
Amount of RAM:	***32 GB***
Size of the Hard Drive:	***1 TB 5400 RPM HDD***

Answer the following regarding your laptop model.

1. Use the Internet to locate the website for the laptop manufacturer. What is the URL for the website?

   https://www.dell.com/support/home/en-ph

2. Locate the service section of the website and look for links that focus on your laptop. It is common for a website to allow you to search by the model number.

   List the links you found specific to the laptop and include a brief description of the information in that link.

   Drivers and downloads
   https://www.dell.com/support/product-details/en-ph/product/g-series-15-3579-laptop/drivers

   - In this link it offers BIOS updates, chipset drivers, display drivers, and more specific to the G3 15 3579. Ensures system compatibility and security.

   Set up and Specifications
   https://www.dell.com/support/manuals/en-ph/g-series-15-3579-laptop/Dell-G3-3579-SetupAndSpecifications/set-up-your-dell-g3-3579?guid=guid-d0f3a9b3-b68d-4072-8770-12e5363766d1&lang=en-us

   - This link includes the Dell G3 15 Setup and Specifications Manual, service manual, and component replacement guides.

www.netacad.com

3.   Briefly describe any service notices you found on the website. A service notice example is a driver update, a hardware issue, or a recall notice for a laptop component.

   I found several important service notices relevant to the Dell G3 3579 like DSA-2020-203 Addresses UEFI BIOS vulnerabilities affecting boot services. Users are advised to update their BIOS to prevent exploits, BIOS Updates (e.g., v1.14.0). Fixes system instability, boot issues, and improves CPU fan control under load. Critical for overheating and performance regulation, and Touchpad firmware issues. Some G3 models experienced touchpad instability, resolved through driver updates and BIOS patches.

4.   Open forums may exist for your laptop. Use an Internet search engine to locate any open forums that focus on your laptop by typing in the name and model of the laptop. Briefly describe the websites (other than the manufacturer website) that you located.

   Reddit – r/Dell - *Many users post about the Dell G3 15 3579, sharing issues (e.g., throttling, battery drain, loud fans) and DIY fixes. One post explained how undervolting reduced heat during gaming.*

   Linus Tech Tips Forum - *Threads discuss component upgrades, like replacing the slow 5400RPM HDD with an SSD to boost performance. Users also talk about display upgrades and cooling mods.*

   Badcaps.net - *Users post motherboard schematics, power rail issues, and even capacitor replacements specific to the 3579.*

   InsanelyMac Forum - *A community where users attempt to dual-boot macOS on Dell G3 models. Shows technical depth, EFI configurations, and cross-platform tweaks.*

CONCLUSION:

 In this lab research activity, I learned how to independently research and gather detailed information about a specific laptop model, in this case, the Dell G3 15 3579. I discovered how important it is to use the official manufacturer's website to find accurate and up-to-date resources such as drivers, manuals, and service notices. This experience taught me to look beyond the classroom materials and explore different sources, including community forums, to understand real user experiences and solutions. I also gained insight into the importance of keeping firmware and drivers updated for security and system performance. Exploring forums showed me how users creatively solve problems and share helpful advice that goes beyond manufacturer recommendations. Overall, this task improved my research skills, helped me synthesize information from multiple sources, and showed me practical ways to maintain and improve my laptop's performance.