LEARNER ASSESSMENT SUBMISSION FRONT SHEET

Learner Name	Maksym Puhach
Assessor Name	Neil Wickham

Unit	14 - Installing and Maintaining Computer Hardware
Assignment Title	3 - Repair, Upgrade and Review

My Literacy Targets

Try to make fewer grammatical mistakes and improve your grammar

My Numeracy Targets

Take this exam, enter answers to all questions and pass it successfully

Submission Declaration

I certify that the evidence submitted for this assignment is my own. I have clearly referenced any sources and any artificial intelligence (AI) tools used in the work. I understand that false declaration is a form of malpractice.

22115231

Introduction

In this task, I will update the computer and correct the errors that appeared during the transfer of the computer for an intern at Cabria College. I will also install all drivers, update the PC, and add a graphics tablet to the computer, as this is one of the client's requirements. Also, at the client's request, before starting work, I will make a backup copy of the "New Designs" folder.

IT Company Limited - Job booking sheet		**Job Number**	0117

Company Name	Cambria Creatives
Contact	Mr N Wickham
Job Description	Repair and Upgrade PC
User Platform	Windows 7
Additional Information	PC has stopped booting up and system won't keep time Upgrade required to speed up system (must be a cost effective solution) Upgrade required to speed up data transfer from USB 3.0 external hard drives Install and configure a graphics tablet. User has important files in a folder called 'New designs'.

TO BE COMPLETED BY TECHNICIAN		**Name**	Maksym Puhach
Computer Identification Number	9DY8G4		
Faults found	The motherboard has been disconnected from the power socket RAM has been disconnected in the slot, low system battery voltage.		
Fix applied	The RAM was inserted into the slot The battery of the motherboard was changed We connected the motherboard to the power socket Updated the PCIe card to USB 3.0		
Hardware installed internally	We installed 1GB Ram We installed 3.0 USB port We installed motherboard battery		
Hardware installed externally	We connect pen table We installed a flash drive		
System Tested **(Please attach details of test)**	Wacom Graphic tablet		
Comments **(record any observations, problems and resolution)**	Preupgrade memory usage 51% Preupgrade USB 3.0 speed 30Mb/s The old motherboard battery is low and we change to new one physical memory usage 29% after memory upgrade After connect USB 3.0 update 94MB/s speed We connect pen tablet, and he work		

Date	12/04/2024	**Time Started**	09:40	**Time Finished**	
Technician Signature		22115231			

Customer Signature	N.Wickham

Completed Test Plan (copied and pasted from U14_A2 and fully completed)

Test Plan – Installing & Maintaining Computer Hardware

Name of Technician:		System ID		Date	
Brief description of work to be carried out		7PS7D4J		15/03/2024	

Te st No .	What is being tested	How it is being tested	Expected Result	Actual Result	Comments
1	Boot-up functionality	Power on the system	System boots successfully	No more loading problems, everything works fine	Plugged the main energy wire to the motherboard. fixed the ram and changed the bios battery

2	System clock accuracy	Check time and date settings	Clock keeps accurate time	Time is correct	the time and data in the BIOS have been replaced with the correct ones
3	Computer Power Check	Checking the Socket and Cable Checking the Power Supply Unit Checking the Motherboard Checking Components	RAM has been added and recognized such changes are noticeable as: -Improved speed of render system -Improved system multitasking -Percentage of RAM usage was reduced	Everything works, RAM is displayed on the computer, system performance is improved.	I checked the memory usage through the task manager and the usage percentage was reduced
4	PCI Express card works successfully and improves data transfer speed	-System Stability / Stress Testing (Transfer Large File) -Device Management (For Notifications) -Device Recognition test (BIOS)	After replacing Pcle, the system began to transfer files many times faster	The system recognized the Pcle card, improved data transmission	I installed the new drivers for the Pcle card and tested the transfer speed in practice, the difference is noticeable and much for the better

| 5 | The graphics tablet was installed and put on | -The graphic tablet program is open
-Checking the device's connection and serviceability
-Compatibility check
-Trying to draw through computer software | The graphics tablet and pen work successfully together with the computer | The graphics tablet and pen work successfully together with the computer | I checked the operation of the tablet in practice by drawing a couple of pictures, everything works without any errors, also in the settings we changed the setting for left-handed to left-handed |

Review
The client was very satisfied with the improvement of the system, now it meets his requirements and serves its purpose much more efficiently. We conducted tests of RAM and data transfer speed to an external drive. The results showed an increase in multitasking performance, as well as an increase in data transfer speed several times. According to the customer's requirements, we connected and configured an external graphics tablet for left-handed people. We have also added a shortcut for applying paint as per the client's wishes. The client has approved all changes and updates, confirming that the issues have been resolved. To further protect customer data, we have created backup copies of important files to an external flash drive.