Task A

1. What is the purpose of the design phase?

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1. Complete the table below to identify the specification required for this new system.

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| --- | --- |
| What hardware is required for this new system to be implemented? |  |
| What software needs to be installed that will allow users to access the new system? |  |
| What changes need to be made to the network infrastructure? |  |
| How will this project be planned? |  |
| What security procedures need to be put in place for the new system? |  |

Task B

1. Explain the purpose of testing and why it’s important that organisations test their system properly.

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1. Using the bank example from previous tasks, if a new customer wants to register for online banking then they must use a password that is at least 8 characters. This needs to be tested.

Complete the rest of test plan shown below.

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| --- | --- | --- | --- | --- | --- |
| **Test No.** | **Description** | **Test data** | **Expected result** | **Actual result** | **Pass/Fail** |
| 1 | Web registration form. Password that is 8 characters long. |  |  |  |  |
| 2 | Web registration form. Password that is 7 characters long. |  |  |  |  |
| 3 | Web registration form. Password that is 13 characters long. |  |  |  |  |
| 4 | Web registration form. Password not entered, blank entry. |  |  |  |  |

Task C

Once the testing phase is complete and the system works exactly as it’s intended then it’s ready to be rolled out. The changeover of systems can be managed in different ways.

In the table below, identify how each method works including one advantage and one disadvantage of using each.

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| --- | --- | --- | --- |
| **Method** | **How does it work?** | **Advantage** | **Disadvantage** |
| Direct |  |  |  |
| Parallel |  |  |  |
| Phased |  |  |  |
| Pilot |  |  |  |