Task A

1. Explain the purpose of a Data Flow Diagram (DFD)

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1. Below is an example of a process used in a DFD. In the second box, complete your own process for a customer withdrawing money for a cash machine.

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| Example: |
| Customer cash withdrawal example: |

Task B

1. Explain the purpose of a decision table.

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1. Using the example from the previous task. A customer wants to make a cash withdrawal. If the customer does not have enough funds then they can agree to an overdraft. If they agree, then they can withdraw the cash which must be paid back at a later date. If they do not decide to take up the overdraft option then the withdrawal attempt is denied.

Complete a decision table for the scenario stated above.

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| **Condition** | **Scenario 1** | **Scenario 2** | **Scenario 3** |
| Withdrawal amount <= Balance |  |  |  |
| Overdraft agreed |  |  |  |
| Actions |  |  |  |
| Withdrawal granted |  |  |  |

Task C

1. Explain the purpose of a data dictionary.

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1. Complete the data dictionary below outlining a database on customers details using the bank example from previous tasks.

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| **Field name** | **Data type** | **Format** | **Field size** | **Description** | **Example** |
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