

Data Flow Diagram Practice 2

30 marks

Design a data flow diagram (DFD) for an Online Event Ticketing System.

- Customers can browse available events, purchase tickets, and receive confirmation of their purchase.
- Event Organisers can create new events, update event details, and view ticket sales reports.
- The system uses a Payment Gateway to securely process all ticket payments.
- The system needs to manage Customer Accounts, Event Information, Ticket Inventory, and Transaction Records.

Task:

1. Draw a Level 0 Data Flow Diagram for this Online Event Ticketing System.
2. Decompose the "Purchase Tickets" process to Level 1, showing more detailed sub-processes and data flows involved in a customer buying a ticket.

Data Flow Diagram Practice 2 Mark Guide

30 marks

Level 0

Symbolisation	Marks	Logic and structure	Marks
External Entities	Provides correct symbol for data source [1 mark]	External Entities	Customer [1 mark] Event Organiser [1 mark] Payment Gateway [1 mark]
Processes	Provides correct symbol for Processes [1 mark]	Processes	Manage Events [1 mark] Process Ticket Sales [1 mark] Manage User Accounts [1 mark] Generate Sales Reports [1 mark]
Data Stores	Provides correct symbol for data store [1 mark]	Data Stores	D: Data Store [1 mark]
Data flows	Provides correct arrows with one way flow [1 mark] Provides correct labels that explain relationships [1 mark]	Data flows	Data flows for Level 0 between all identified entities, processes, and data stores as described in the scenario [3 marks]

Level 1

Symbolisation	Marks	Logic and structure	Marks
External Entities	Provides correct symbol for data source [1 mark]	External Entities	Customer [1 mark] Payment Gateway [1 mark]
Processes	Provides correct symbol for Processes [1 mark]	Processes	Browse/Select Event/Tickets [1 mark] Handle Payment Request [1 mark] Update Inventory/Records [1 mark] Issue Confirmation [1 mark]
Data Stores	Provides correct symbol for data store [1 mark]	Data Stores	D: Data Store [1 mark]
Data flows	Provides correct arrows with one way flow [1 mark] Provides correct labels that explain relationships [1 mark]	Data flows	Data flows for Level 0 between all identified entities, processes, and data stores as described in the scenario [3 marks]