# E-Commerce Store - Data Flow Diagram

### ****Level 0 - Context Diagram****

At the highest level, the system is represented as a single process interacting with external entities.

#### ****Diagram Representation:****

* **External Entity:** User
* **Process:** E-Commerce System
* **Data Store:** Local Storage (Cart Items, User Credentials)

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| External Entity |

| ( User) |

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| E-Commerce Store |

| ( System) |

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| Data Store: Local |

| Storage (Cart, User) |

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## ****Level 1 - Detailed Breakdown****

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| External Entity | | External Entity |

| ( User) | | (Admin) |

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| Login | | View |

| Authentication | | Orders |

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| Data Store: User DB | | Data Store: Orders DB |

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| View |

| Products |

+-----------------------+

+-----------------------+

| Add to |

| Cart |

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+-----------------------+

| Data Store: Cart DB |

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+-----------------------+

| Cart |

| Management & Review |

+-----------------------+

+-----------------------+

| Go Back |

| to Products & Add |

+-----------------------+

+-----------------------+

| Payment |

+-----------------------+

+-----------------------+

| Order |

| Confirmation |

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| Redirect |

| to Products Page |

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| Logout |

| or Continue Shopping |

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**(Login Authentication):** The user enters credentials, and the system validates them using stored data.

**(View Products):** The user browses available products.

**(Add to Cart):** The user selects items to purchase, which are stored in the cart.

**(Cart Management & Review):** The user reviews items in the cart.

**(Go Back to Products & Add More Items):** The user can return to the products page to add more items, then return to the cart.

**(Payment):** The user enters payment details; upon validation, an order is placed.

**(Order Confirmation):** The system confirms the order and displays a success message.

**(Redirect to Products Page):** After successful booking, the user is redirected to the products page.

**(Logout or Continue Shopping):** The user can either log out or continue shopping.