1. **Financial Reports:**

Sales Report:

Data Required: Auction ID, Seller ID, Buyer ID, Transaction Amount, Date.

Layout: Tabular format with columns for each data field, including totals and subtotals for different sellers and buyers.

Revenue Report:

Data Required: Total revenue, Revenue by category, Date.

Layout: Graphical representation, such as bar charts, line graphs, or pie charts.

2. Auction Performance Reports:

Auction Status Report:

Data Required: Auction ID, Title, Status, Start Time, End Time, Seller ID, Winner ID (if closed).

Layout: Tabular format with a summary of ongoing and closed auctions.

Top Auctions Report:

Data Required: Auction ID, Title, Number of Bids, Current Bid Amount.

Layout: A list of top-performing auctions based on criteria like the number of bids or current bid amount.

3. User Activity Reports:

User Activity Log:

Data Required: User ID, Login/Logout Timestamp, Bidding Timestamp, Auctions Created.

Layout: Tabular format with timestamps and activities.

User Transactions Report:

Data Required: User ID, Transaction ID, Transaction Type (Buy or Sell), Transaction Amount, Date.

Layout: Tabular format showing a user's transaction history.

4. Category and Item Reports:

Category Summary Report:

Data Required: Category ID, Category Name, Number of Auctions, Total Revenue, Top Auctions.

Layout: Tabular format with category statistics.

Item Listing Report:

Data Required: Auction ID, Title, Description, Current Bid Amount, Start Time, End Time, Seller ID.

Layout: A list of active auctions with detailed information.

5. System Performance Reports:

Server Uptime Report:

Data Required: Server ID, Uptime Percentage, Downtime Records.

Layout: Tabular format with server performance data.

Response Time Report:

Data Required: Timestamp, User ID, Activity, Response Time.

Layout: Line graph showing response time trends.

6. Compliance and Security Reports:

Security Audit Log:

Data Required: User ID, Timestamp, Activity, IP Address.

Layout: Tabular format with security-related logs.

Compliance Report:

Data Required: Compliance Checkpoints, Pass/Fail Status, Date.

Layout: Tabular format or a checklist format.

7. Customer Support Reports:

Support Ticket Report:

Data Required: Ticket ID, User ID, Ticket Status, Issue Description, Date.

Layout: Tabular format showing the status and details of support tickets.

User Feedback Report:

Data Required: User ID, Feedback Type, Description, Date.

Layout: Tabular format with user feedback data.