

System & Software Scenarios with Step-by-Step Solutions

Scenario 1: ERP Implementation

A large retail company wants to integrate inventory, sales, HR, and finance using ERP.

- Step 1: Identify business processes.
- Step 2: Select ERP vendor (e.g., SAP, Oracle).
- Step 3: Migrate data from old systems.
- Step 4: Train employees.
- Step 5: Monitor and optimize.

Diagram: ERP integrates multiple departments into one system.

Scenario 2: DSS in Healthcare

A hospital uses DSS to decide resource allocation for patients during an outbreak.

- Step 1: Collect patient and disease spread data.
- Step 2: Analyze trends using DSS tools.
- Step 3: Allocate resources (beds, oxygen, staff).
- Step 4: Monitor effectiveness.
- Step 5: Adjust decisions as needed.

Diagram: Input Data → DSS Analysis → Decision Recommendations.

Scenario 3: MIS for School

A school implements MIS to generate student performance reports.

- Step 1: Collect exam and attendance data.
- Step 2: Store in MIS database.
- Step 3: Generate performance reports.
- Step 4: Share with teachers and parents.

Diagram: Data Input → Processing → Report Output.