Phase 3: Data Modeling & Relationships

Key Activities:

- Standard & Custom Objects
- Fields, Record Types, Page Layouts, Compact Layouts
- Schema Builder
- Lookup vs Master-Detail vs Hierarchical Relationships
- Junction Objects
- External Objects

Description:

For Institute Management, custom objects are created for Students, Courses, Attendance.

1. Create objects:
- Student (Name, Email, Phone, Roll Number)
- Course (Course Name, Duration, Fees)
- Attendance (Date, Status, Related Student & Course)
2. Define relationships:
- Student ↔ Course (Many-to-Many using Junction object Enrollment)
- Student ↔ Attendance (Master-Detail)
3. Use Schema Builder to visualize.
4. Define Record Types for different user needs (e.g., Full-time vs Part-time course).
5. Configure layouts and compact layouts for mobile experience.

Outcome:

A complete data model with relationships ensuring logical and efficient data structure.