



# HABIB UNIVERSITY

## Database Systems

CS/CE 355/373 Fall 2023

Instructor: Maria Samad

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### Data Anomalies

Student 1: \_\_\_\_\_

Student 2: \_\_\_\_\_

For the given relation schemas, identify one situation each for where insertion, deletion and modification anomalies may occur, and what is the straightforward solution for it?

- CustOrder (OrderID, OrderDate, TotalAmount, CustomerName, CustomerEmail)
- SupplierProduct (SupplierID, SupplierName, Address, ProductID, ProductName, Price)
- SalesInvoice (ProductID, ProductName, Price, InvoiceID, InvoiceDate, Customer)
- StudentCourse (StudentID, StudentName, CourseID, CourseTitle, Semester, Year)