

COMP 2411: PROJECT - RELATIONAL SCHEMA

[STRONG] User (userID, password, firstName, lastName, dateOfBirth, email, phoneNumber, address)

[WEAK] Authentication (userID*, authMethod, authValue)

[STRONG] Cart (cartID, userID*, quantity)

quantity → multivalued attribute

[STRONG] Order (orderID, userID*, cartID*, transportID*, destination, finalPrice, paymentMethod, date)

[STRONG] Transport (transportID, orderID*, cost, mode)

orderID* → multivalued attribute

[STRONG] Bill (billID, orderID*, date, finalPrice, paymentMethod)

orderID* → multivalued attribute

[STRONG] Deliver (orderID*, transportID*, timestamp)

[STRONG] Product (productID, promotionID*, name, brand, category, size, weight, description, price)

[WEAK] Review (userID*, productID*, comments, rating)

[STRONG] Administrator (adminID, name, email, phoneNumber)

[STRONG] Inventory (inventoryID, adminID*, quantity)

[STRONG] Supplier (supplierID, inventoryID*, name, address, phoneNumber)

[STRONG] Report (reportID, adminID*, date, totalSales, topLocation)

orderID* → multivalued attribute

[STRONG] Promotion (promotionID, discountRate, startDate, endDate)

reportID* → multivalued attribute

Many-To-Many Relationship

Contain (cartID*, productID*)

Store (inventoryID*, productID*)

Deliver(orderID*, transportID*)

Generate(reportID*, orderID*)

Release(promotionID*, reportID*)