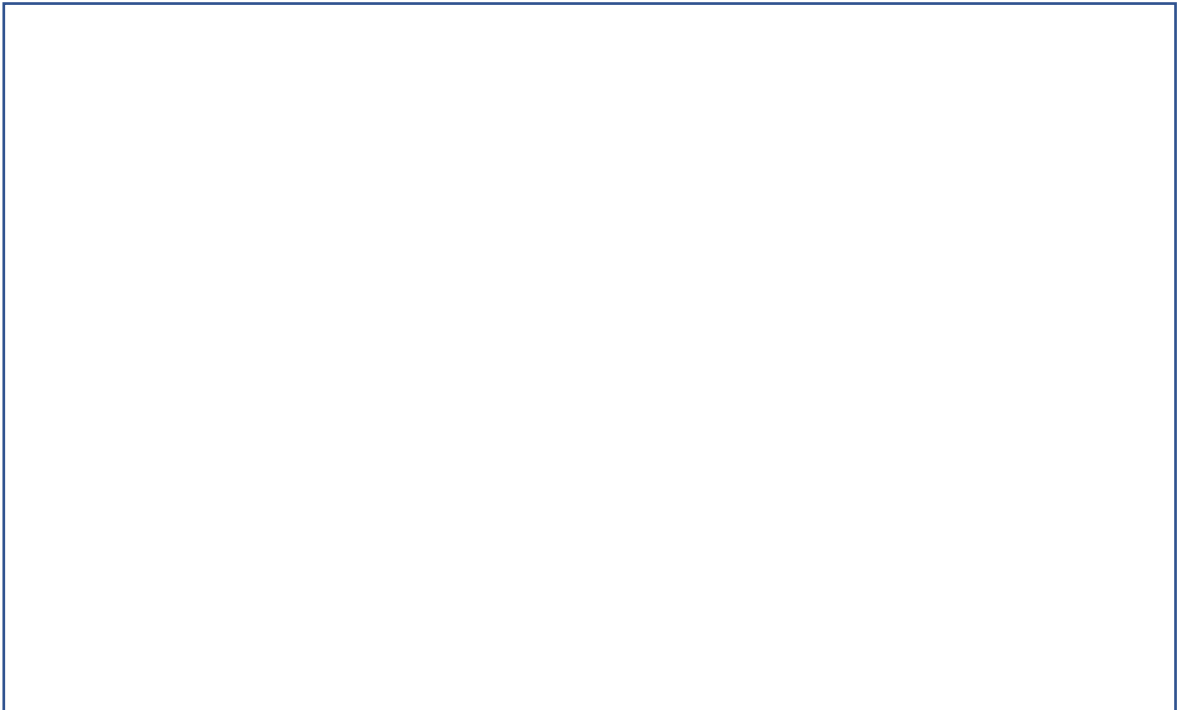


ASSIGNMENT

1. AIR CARGO (AC) prides itself on having up-to-date information on each shipped item's processing and location. To do this, AC relies on a company-wide information system. Shipped items are the heart of the AC product tracking information system. Shipped items can be characterized by item number (unique), weight, dimensions, insurance amount, destination, and final delivery date. Shipped items are received into the AC system at a single retail center. Retail centers are characterized by their type, uniqueID, and address. Shipped items arrive at their destination via one or more standard AC transportation events (i.e., flights, truck deliveries). These transportation events are characterized by a unique scheduleNumber, a type (e.g, flight, truck), and a deliveryRoute. Please create an Entity Relationship diagram that captures this information about the AC system. Be certain to indicate identifiers and cardinality constraints.(Put your diagram inside the box)



Discuss the key characteristics of OLTP and OLAP systems. Explain schema design differences between transactional (OLTP) and analytical (OLAP) databases.