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### PDF Report Submission #1

A Database Management System (DBMS) is the collection and storage of data into a system designed to handle, manipulate, and retrieve and managing the data. The main components of a DBMS are the end user, the application or software, the database itself, and tables within the database. The functional components of a DBMS are a dictionary, data storage, security, Data backup and recovery, access language for interacting with the data within a database, Integrity rules and management, and communication interfaces. Traditionally, databases are accessed by Structured Query Language. SQL is a declarative, 4<sup>th</sup> generation programming language that is interpretive and declarative, but not imperative or compiled. Another language called NoSQL is sometimes used for nontraditional databases such as when object-oriented models are needed.

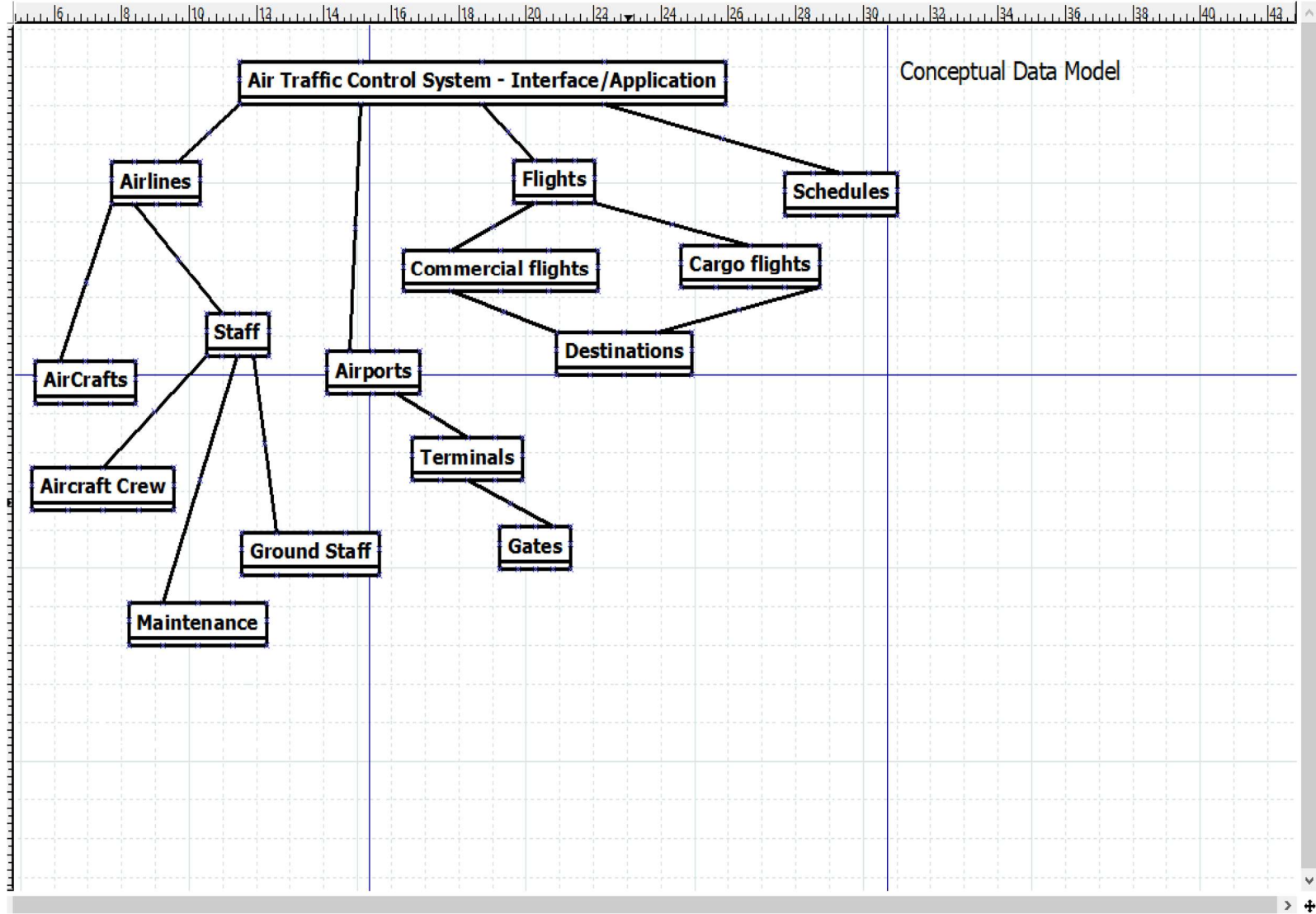
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