FUTURE SPARK TEAM

CLOUD (SLEEPING CAPSULES) REQUIREMENTS AND CONSTRAINTS

- The company is organized into departments (DEPARTMENT), and each department has a unique number (Dept_No) and a phone number (DeptPhone), a name (Dept_Name) and a location (Dept_Location).

- There are many employees (EMPLOYEE) that has a unique id (E_ID) a national id (E_NationalID) an e-mail (E_Email) a name (E_Name) and a date of birth (E_DOB), the employees name is composed of first name (F_Name), middle name (M_Name), last name (L_Name). One or many employees can work in one department.

- The company deals with many suppliers (SUPPLIER) each supplier has a unique id (S_ID) and the name of the supplies company (CompanyName), the product type (ProductType) and an e-mail (CompanyEmail). Each supplier imports zero or many supplies to one and only one department.

- The Capsules which are the main core of our company (CAPSULE) has a unique id (C_ID) and a number (C_NO) and different sizes, so we have a capsule size (C_Size). The company deals with suppliers, and the suppliers can provide many things such as, capsules, and capsules must belong to one supplier, with a production date (ProductionDate).

- The company operates in many airports (AIRPORT) every airport has a unique id (A_ID) a name (A_Name) and a space rented by the company (RentSpace) a renting price (RentPrice) and a period for the rent (RentPeriod). One or many capsules must be located in one or many airports with a specific location (Location_ID).

- Every customer (CUSTOMERS) has a unique id generated by our company (C_ID), and a name (C_Name) a phone number (C_Phone) an e-mail (C_Email), and a date of birth (C_DOB). A capsule is reserved by one or many customers, and each reservation has a unique (Reservation_Code) start time and date (StartTimeDate), an end time and date (EndTimeDate) and a price per hour (PricePerHour).