**Project Description**

This project aims to design a database for FlySheet Information Services Co., Ltd. for facilitating business workflow on integrating data from different departments. Flysheet Information Services Co., Ltd. is an academic electronic resources distributor in Taiwan. It is the exclusive agent of many international publishers such as JSTOR, ProQuest, Cengage Learning and so on, distributing numerous electronic resources to over 100 academic libraries in Taiwan. As a mediator, this company deals with lots of transactions and subscriptions between academic libraries and vendors, which comes out various and plenty of data. The primary goal of this project is to create a database that allows different departments in the company to store, organize, retrieve, and synthesize all of the data for business purposes. All data is analyzed and categorized into appropriate tables in the database, and will be managed by suitable departments.

**User Description**

Staff working in product department, sales department, and financial department are main users of this database. Product specialists can input and update production information in this database; sales representatives and sales managers can manage customer data and their orders in the database; financial staff can also retrieve and manage order records and invoices in the database.

**Database Goals & Functions**

1. To create a database that allows different departments to store, organize, retrieve, and integrate data according to different uses.
2. To make each department be able to manage its data independently and all the other departments can get up-to-date data instantly.
3. To delete duplicate data and to achieve data correctness and integrity among different departments.
4. To facilitate sales process by sharing data among departments.
5. To enhance data sharing effectiveness and efficiency in the company, and to fortify business activities in a general aspect.
6. To reduce the effort of organizing data and retrieving historical sales data.
7. To help the administration understand sales outcomes and make further decisions.

**Database evaluation**

Database is an accumulation of data that is stored over a certain period of time. Our database stores data from sales, product, and financial department. We’ve created an interface that allows every department in the company to enter and retrieve needed data by their own. This saves time and decrease workload. It also allows employees to view and share data among departments, and minimizes the effort of organizing data and creating historical sales reports. Furthermore, since historical data can be pulled out easily, company’s administrators can understand sales outcomes better and can make effective strategies and decisions in the future.