*HSE*

*MDI 182*

*Data management*

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**Analysis of subject area.**

General information.  
  
The project is dedicated to assessing a possibility of running an **American-Japanese** **comics store in Iran,** identifying potential sources of problems and developing an IT infrastructure plan.

We are assured that information about the comic books in stock is the crucial point for this business. In particular, we claim that information about the quantity, vendor, rating, genre and description of the comic books is a necessity for success of the business.

For storage, processing and analysis of this massive array of data we will use **database approach** because it is simple yet very powerful.

Brief description of business model.

**Business model** of our comics store implies selling comic books both **offline** in the store and **online** via a websites. Note that “websites” is made plural intentionally as our comics store also supplies via major e-commerce platforms, not only its own website. In case if order is made online, customers can choose to either pick it up from the store or have it delivered to them.  
  
Purpose for database creation.

As we see it, database can be very helpful for both *employees and customers* of our comics store.

For the first, database analysis is useful for generation of information about sales and books which soon will be out of stock as it is very important to know customers’ demand and your own supply.

For the latter, information rating, genre and description (no spoilers!) of a comic book is needed as it will help to understand what he wants.

Apart from that, management of the store needs to know everything related to procurement:

* How much was spent?
* How much was received?
* Was supplement delivered on time?
* etc.

Possible database users:

* Management of the store
* Employees of the store
* Customers of the store

Possible user-database interactions:

* Customers view store’s website and search for comic books of certain genre, price and rating.
* Employees append, amend and remove data about new arrivals and sold books.
* Management views cash flows of the comics store at the end of the month.

Entities of the subject area:

* Customers
* Employees
* Comics store
* Comic books vendor
* Authors
* Publisher
* Delivery
* e-commerce platforms