**Define Problems and Constraints:**

**Problems identified:**

* Making reports from data is hard and consumes a lot of time.
* Data can be falsified and hard to maintain.
* Gathering of data can be time consuming.
* Data integrity can’t be ensured, because everybody who has access can read remove or edit data easily
* Data that is related can be scattered over different tables as a result a single change must then be updated at more than one place. It is then possible that just half of the information is present.
* Data can be inconsistent and/or ambiguous
* Hacks with lots of tricks can make the database unnecessarily complex
* The database designer can put unnecessary complexity into the database were they could have done it much easier
* Slow database, inflexible, hard to extend and can no handle all real life situations can also happen.

**Constraints identified:**

* The performance of the database must be on par.
* Must enforce data security.
* Making reports shouldn’t be time consuming
* High level data integrity.
* The database should help to make the system a centralised system by helping to manage all the business-critical data centrally, safely and securely.
* The database can help manage customer data and relationships
* The database will help to do efficient inventory taking