**AQUA TOYS FOR KIDS**

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[**https://github.com/Srinadh01/project**](https://github.com/Srinadh01/project)

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**PART 1-Design:**

In my business I want to sell products like aqua animals, cartoons-based animals. which is like entertainment for kids. In this company we have many types of products which makes our business for sales like DORY, NEMO, MERMAID, DOLPHIN, STAR FISH, OCTOPUS, JELLYFISH, SHARK. We can see these types of characters in cartoon shows, Disney world etc., For these products we can export materials from different places. Basically, we can analyze materials required to these products like Cloth, thread, cotton etc.,

According to my research I found a similar business like which I am going to do in this analysis There is a company called Mattel which is one of the strongest catalogs of children’s and family entertainment franchises

Graphical user interface

Description automatically generated with medium confidence

<https://www.zippia.com/mattel-careers-7181/demographics/>

* Mattel has 32,100 employees.
* Mattel's revenue growth from 2016 to 2020 is -15.91%.
* Mattel has 32,100 employees, and the revenue per employee ratio is $142,941.
* Mattel peak revenue was $5.5B in 2016.
* Mattel annual revenue for 2020 was $4.6B, a 1.86% growth from 2019

3.

Now in this case I want to make architecture for my business database I want to choose 2 tier client server setup this tier is going to help with my database design

2-tier client server

Here I am going make a simple explanation client is basically customer/retailer in my case where customer can order bulk amount or retailer can order bulk number of products for the local stores.

Server is like accepting orders in production side to make product prepared with materials that are going make toys in this company this like 2 tier process

customer

Server

We can say production side

retailer

4.

* Production/ manufacture
* Retailer
* Customer
* Toy name
* Manufacturer date
* Location
* End consumer cost
* Retailer cost
* Profit
* Total products manufactured in yean
* Total sold products in year
* Cost for each product
* Loss in year
* Profit in year
* Initial investment in a year

5.

I would choose AWS cloud for communicating with new cloud database setup

Aws is providing server, storage, networking, remote computing, email

SFTP FTP

Html, txt, pdf, excel

These formats are going help for computer system use to transfer data

**PART II**

Customer\_details – customer is going to order the product to deliver the product to specific person, so we are going need customer name, phone number, location, Account\_ID

Merchant\_details – merchant is basically where we can get the product from store this like selling individual product to customer or bulk products. Store\_ID, Store\_name, Store\_location, customer\_service\_phnnumber

Product\_details – we need details of product to deliver a product name and details to deliver the correct product to customer Product\_id, product\_name, name, quantity, availability

Payment\_details – when customer giving order to deliver the product requires payment cost, transaction\_id, transaction\_date, payment\_Status

Delivery\_details – to receive the product to customer according to given instruction as per customer recipient\_name, Import\_status, delivery\_date, shipping address.

|  |  |
| --- | --- |
| Customer\_details |  |
| Customer\_name | VARCHAR (25) |
| Account\_ID | INT |
| Phone\_number | INT |
| Location | VARCHAR (25) |

|  |  |
| --- | --- |
| Merchant\_details |  |
| Store\_ID | INT |
| Store\_name | VARCHAR (20) |
| Store\_location | VARCHAR (20) |
| Store\_phnnumber | INT |

|  |  |
| --- | --- |
| Product\_details |  |
| Product\_id | INT |
| Product\_name | VARCHAR (20) |
| quantity | VARCHAR (20) |
| availabity | INT |

|  |  |
| --- | --- |
| Payment\_details |  |
| price | INT |
| Transaction\_ID | INT |
| Transaction\_date | DATE |
| Transaction\_status | CHAR |

|  |  |
| --- | --- |
| Delivery\_details |  |
| recipient\_name | VARCHAR (25) |
| Import\_status | VARCHAR (20) |
| delivery\_date | DATE |
| Shipping address | VARCHAR (29) |