ROYAL-MART APPLICATION

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| to: | mR. CHRIS CUSACK |
| from: | aRTH PATEL |
| subject: | DATABASE programming PROJECT |
| APP NAME: | ROYAL-MART APPLICATION |
| date: | 29th November 2021 |

I am writing this memo for a proposal about Database Programming Project. I would like to make and application namely Royal-Mart. This application will allow a user to login into the Royal-Mart Application and select the items he/she want. User can select items along with the quantity, then item price, discount, automatically shown to the user with the final price. At last, the bill will automatically be printed with a single click of a button. As well as the will also sent to the user’s provided E-mail ID.

The form will have,

* MDI container
* Splash Screen
* Login/Signup form
* Maintenance form
* About Form
* Browse Form

Entities of the Application

* Customer
* Items

**Business Rules:**

1. **001** – Item’s Price

**Type:** Dynamic

**Category:** Structural fact

**Date:** 2st December 2021

**Description:** There are many items in the database. The business rule is that the item cannot cost more that 80$. If the rule seems to be broken, the error message will pop-up.

**2)** **002** – Item Quantity

**Type:** Dynamic

**Category:** Structural fact

**Date:** 2st December 2021

**Description:** The customer cannot order more that 10 items at a time. If does, the error message will show. There will be some validation to keep this business rule safe.

* **Relationship:**

I will have more than 3 tables.

Two of them will be for customer and items. Also, I will have another table for relationship between customer and order. The table name would be something like, shopping\_details.

My Github Repository link: <https://github.com/Arth-nbcc/ArthDBProject>

Note: I already invited you to this private repository.