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| **Project Charter** | | | |
| **Project Name** | IST 722 Group Project Assignment – Fudgeflix & Fudgemart | | |
| **Project Description** | Development of data warehouse and business intelligence solution for Fudgemart, Inc. | | |
| **Project Manager** |  | **Date Approved** | **5/9/21** |
| **Project Sponsor(s)** | **Humayun Khan** | **Signature** | **On file** |
| **Business Case** | | **Expected Goals/Deliverables** | |
| **A conformed data warehouse will allow Fudgemart to move towards an organization that can utilize all of its cross-functional data for efficient and effective business intelligence.** | | Goals:   * Identify functional requirements * 5 business processes to model * 1 integrated process in data warehouse * Meaningful business intelligence * Demo satisfies functional requirements. | |
|  | | Deliverables | |
| **Team Members** | | * **Project Document** * **High-level dimensional modeling worksheet** * **Detail level dimensional modeling worksheet** * **Initial ETL done in SSIS.** * **Data Warehousing** * **Business Intelligence** * **Presentation and Demo** | |
| **Name** | **Role** |
| **Keeley Ables** | **Dimensional Modeling** |
| **Subbu Kandhaswamy** |  |
| **Zachary Agrue** | **ETL Dev** |
| **Steven LaMarre** | **BI developer** |
|  |  |
| **Risks and Constraints** | | **Milestones** | |
| **Time** | **The team has a short time frame and limited availability for completion of the project.** | **5/9/21** | **Project document** |
| **Experience** | **The student team is learning the subject matter at the same time applying the concepts for the project.** | **5/16/21** | **High-level dimensional modeling worksheet** |
|  |  | **6/6/21** | **Detail-level dimensional modeling worksheet, SQL implementation, Initial ETL** |
|  |  | **6/20/21** | **Completed Project** |

# **Business Requirements**

* Access analytical data from Fudgemart / Fudgeflix users from centralized location
* Data to perform analysis to increase revenue, reduce cost, manage product and cross functional opportunities between two entities.
* DW should feed data to generate reports to track sales, product movement (most selling to least selling), order fulfillment (shipping time, order accuracy)
* Our DW will integrate data from FudegeMart and FudgeFlix to provide Top sellers, Order frequency, Time to deliver (Shipdate – Orderdate)

# **Functional Requirements**

* Best-selling products.
* Most popular Title.
* Required stock to hold.
* Titles queued.
* How long it takes to deliver an order.
* Order frequency of product
* Cross customers with accounts in both businesses.
* Order frequency of products

# **Business processes (related to above questions)**

1. Order Fulfilment
2. Product Inventory trend
3. Sales
4. Product review
5. Sales coverage

# \*we selected business process (?) for integration across both fudgemart and fudgeflix.

# **Business Process (selected from above) for integration implementation.**

#### Facts

Ship date

Order Date

Stock Units

Returned Date

Order Units

### Dimensions

Product (Flix & Mart)

Customer (Flix & Mart)

Orders

Suppliers

Shippers

# **Comments**

As we work on this project, the above goals and deliverables may be updated, will be recording the changes, and get signoff from all involved members of this project.