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| **Project Charter** | | | |
| **Project Name** | IST 722 Group Project Assignment – Fudgeflix & Fudgemart | | |
| **Project Description** | Using Fudgemart and Fudgeflix data to analyze the frequently sold item and order count by customer, and then analyze if the customer belongs to both systems for promotional offers selection. | | |
| **Project Manager** | **Nishit Nakrani** | **Date Approved** | **10/27/2020** |
| **Project Sponsor(s)** | **Humayun Khan** | **Signature** |  |
| **Business Case** | | **Expected Goals/Deliverables** | |
| **The goal of project is to integrate information from both system, Fudgemart and Fudgeflix to streamline business process for frequently sold item pattern and orders count by customer, and then business user can analyze if the customer has Fudgemart account but not Fudgeflix, then provide them with promotional offers.** | | **Requirements:**  To provide Fudge Company with insightful data by way of virtual dashboards.  **Deliverables:**   * Project Charter * High-level Dimensional Modeling * Detail-level Dimensional Modeling * ETL using SSIS package * Various reports and dashboards using cube, facts and dimensions  1. Reports for offer list using analysis service cube (Total customer and order amount as per region and customer type) 2. BI dashboard for offer list (total order amount, order total by type, order total by year, order ship lag days by customer key) 3. BI dashboard for Fudgemart Account total( Order count by year, Order total by type, Product quantity by state ) | |
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| **Team Members** | |  | |
| **Name** | **Role** |  | |
| **Nishit Nakrani** | **Project Manager** |  | |
| **Krupal Vora** | **Data Administrator** |  | |
| **Shraddha Sawant** | **BI Developer** |  | |
| **Ashutosh Jha** | **ETL Developer** |  | |
| **Nikhil Jhurani** | **Data Engineer** |  | |
| **Piyush Gupta** | **BI Analyst** |
| **Risks and Constraints** | | **Milestones** | |
| **1** | **Lack of Project Plan/ Strategy** | **10/29/2020** | **Project document** |
| **2** | **Problems connecting to Remote Desktop** | **11/6/2020** | **High-level dimensional modeling worksheet** |
| **3** | **Co-ordination problem due to members in different areas and working virtually** | **11/12/2020** | **Detail-level dimensional modeling worksheet** |
| **4** | **Inaccurate mapping of source and target data** | **11/12/2020** | **SQL implementation** |
| **5** | **Complex BI Reports** | **12/03/2020** | **Initial ETL** |
| **6** | **Not Meeting project schedule on time** |  |  |

# **Business Requirements**

* Ensure Customer Satisfaction
* Increase Profit
* Increase Efficiency

# **Functional Requirements**

* What are the frequently and least sold items?
* What are most and least revenue generating products?
* How many are the total customers and order amount as per region and customer type?
* How much is the order total by TYPE?
* What is the order total by year, quarter and month?
* Who are our loyal customers?
* What is total order amount and count?
* How much is the product quantity by state?
* Finding customers who are in fudgemart system but not in fudgeflix system for providing offers

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

1. Sales Analysis

2. Customer satisfaction

3. Order fulfillment

4. Account Billing

5. Employee Payroll

# \*we selected business process (1) for integration across both fudgemart and fudgeflix.

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

Facts

* Sales Fact

Dimensions

* Customer
* Product
* Order
* Date

# **Comments**