

IST722 Project Charter – Group 2

Project Charter			
Project Name	IST 722 Group Project Assignment – FudgeFlix & Fudgemart		
Project Description	Build Federated Data Warehouse to allow for analysis of corporate data focusing on Order Fulfillment.		
Project Manager	Dan Caley	Date Approved	1/15/2022
Project Sponsor(s)	Humayun Khan	Signature	
Business Case		Expected Goals/Deliverables	
<p>Successfully guide the merging of FudgeFlix and Fudgemart data sources to ensure minimal loss in business processes throughout the transition. Ensure all aspects of the business remain operational from sales to inventory to order fulfillment and everything in between.</p>		<p>Requirements MOLAB Presentation</p> <p>Deliverables 1. High-level dimensional model 2. Detail-level dimensional model 3. ETL documentation 4. OLAP schemas 5. Final data Warehouse</p>	
Team Members			
Name	Role		
Sam Deery-Schmitt	Business Intelligence Analyst		
Jennifer Lammers Zimmer	Database Architect		
Mike Johnson	Database Administrator		
Dan Caley	Data Warehouse Developer		
Risks and Constraints		Milestones	

IST722 Project Charter – Group 2

Order Fulfillment Time	How do we measure performance of advertised lead time vs actual lead time?	Monday: 1pm – 5pm	Milestone 1 - Project document
Order Fulfillment	Are the suppliers and shippers able to keep up with the orders?	Monday: 5pm – 9pm	3 - High-Level Dimensional Modeling
Order Fulfillment Capacity	Does the warehouse have enough capacity to handle incoming and outgoing products?	Tuesday: 1pm – 5pm	Milestone 2 - High-level dimensional modeling worksheet
		Tuesday: 5pm – 9pm	4 - Detailed Dimensional Modeling
		Wednesday: 10am – 1pm	6 - ETL Data Extraction
		Wednesday: 1pm – 4pm	7 - ETL Data Loading
		Thursday: 1pm – 5pm	9 - Business Intelligence
		Thursday: 5pm – 10pm	Presentation

Business Requirements

Increase profit across regions.

Provide excellent customer service.

Ensure orders are shipped in a timely manner.

Acquire new customers in target age groups.

Functional Requirements

What is the order to ship lag by quarter?

What are sales by product and region?

Which products are the best-selling and worst-selling by category?

How positive is the sentiment about our products by week?

Which regions are we acquiring the most new customers in?

IST722 Project Charter – Group 2

Business processes (related to above questions)

1. Order fulfillment
2. Sales
3. Inventory
4. Customer Service
5. Sales Coverage

Business Process (selected from above) for integration implementation

Facts

FM order_date, shipped_date

FF at_queue_date (assumption: order date), shipped_date

Measures: order_to_ship_lag

Dimensions

Date

Products (Integrate FF + FM)

Freight_Vendor (fm_ship_via_lookup + assume ff_ship_via)

Customers (Integrate FF + FM)

Comments

Dan is the man!