# IST 722 Project Description

The purpose of the IST 722 Data Warehousing project was to create a data warehouse for a fictional company called Fudgemart Inc. The data was coming from two database locations, one from Fudgemart and one from Fudgeflix with plans to combine the two databases into a data warehouse that tracks database changes over time. Once the data warehouse was created, a front-end analytical tool was then connected to provide data insights and to demonstrate the full analytical pipeline.

The project contains the following items:

1. Project Charter – This was a project scoping and planning document created by our group to discuss the project purpose and keep us on a timeline.
2. High Level Dimensional Model – An excel document to aid in data warehouse planning without detailed descriptions of the data types and database details.
3. Detailed Dimensional Model – An excel document that contained the database specifications for all of the data being put into the data warehouse.
4. Code: The following code files were used to create the architecture of the data warehouse, map the existing data to the new data fields, stage the data in a staging database and finally, load the data into the data warehouse.
   1. DW FF&FM Warehouse Architecture
   2. Order Fulfillment Fact Mapping
   3. DimProduct Mapping
   4. DimCustomer Mapping
   5. DW Staging
   6. DW Load
5. Data Flow – A photo of the data flow from database to data warehouse.