

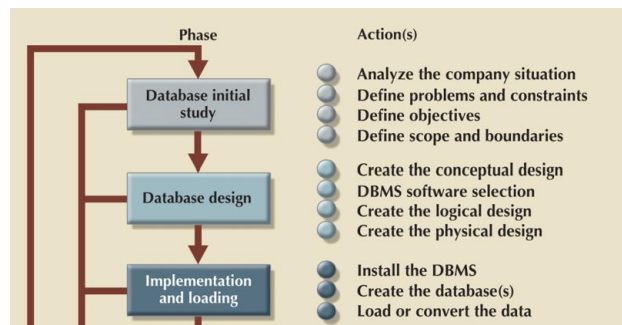
GBA 6220 Group Project – Data Modeling & Data Warehouse

Spring 2022

Project Description

Your team is to work on a data management project by following the steps below:

- Database initial study:
 - Identify a business domain (module/function) with an adequate scope.
 - Collect and understand business rules in the domain.
- Database design:
 - Create the conceptual design
 - Create the logical design
- Implementation and loading:
 - Create a database with tables for the data model.
 - Load data into the tables.
- Develop a data warehouse to produce information for decision making in the domain.



Deliverable

- Documentation of the database initial study.
- Documentation of all business rules.
- An ER diagram for the data model consisting of at least 10 entities.
- An ER diagram for the data warehouse consisting of at least 3 Facts and 3 Dimensions.
- Artifacts of one of the tools in Microsoft BI framework: SSIS, SSRS, SSIS, or Power BI.
- Present it to the class.

Grading

- Completeness of the data model: 40%
- Completeness of the database: 30%

- Completeness of the data warehouse: 30%
- Group presentation: 10%