

## IS-422 Data Warehousing [2020-2021]

### Data Warehouse Term Project

#### Phase 2: Proposal and star/snowflake schema

You have to design a star schema for the database you chose in phase-1. Define the dimensions, dimension levels, fact table, and measures you will include in your star or snowflake schema.

**Minimum number of dimensions is 3, and minimum number of measures is 2.**

- **Phase Deliverables:**

- a. Cover Page contains the following (**Group ID, DB Source Name, Group names, IDs, and Emails** )
- b. Check the comments of Phase 1 and consider them in phase 2.
- c. Source ERD (interested tables) – You build your star schema.
- d. Motivation for creating your star schema.

**For example,** we are creating the Product sales star schema (for Adventure works) to analyze the sales profit statistics for each product and its categories and sub-categories in specific intervals of time.

- e. Star Schema Model (Dimensional model).
- f. Schema Description (Dimensions, Dimension Levels, and Measures):

**\*\*For each dimension:**

Write its query and the query description and if there are levels/ hierarchies in the dimension state them.

**\*\*For Fact table:**

Write its query and the query description (also write the measures equations- if applicable)

#### **Important Notes:**

- Phase 2 Delivery Deadline: **12 May 2021**
- You will submit your files on the blackboard each group upload their file on the folder named by her lab TA
- Make sure you submitted the files in the correct folder
  - Wafaa Moamen → (S1)
  - Dina Amr → (S2 ,S3,S4)
  - Dina Mohamed → (old)(S1)