Data warehousing and BI systems

[Title of the project]

Author:

[First and last name]

[Academic year and term]

I. The aims of data warehouse implementation

This chapter should contain the list of aims that have to be achieved through the implementation of the data warehouse in the chosen part of reality. All defined aims should determine the further facts, dimensions and measures.

II. Conceptual model of data warehouse

This chapter should contain:

- the graphical presentation of relationships between the fact and dimensions (in form of diagram – use star model for this diagram); if you have many facts, prepare the diagram for every fact separately;
- one or many hierarchies for every dimension, presented in graphical form (name every level for particular hierarchies),
- list of measures for every fact.

III. Database structure of data warehouse

This chapter should contain the diagram, which presents the fact tables, dimension tables and relationships between them. Additionally, every table has to be defined by:

- the detailed list of columns (column name),
- primary key,
- foreign key in fact table(s) and optionally in dimension tables.

The diagram should be prepared using the star or snowflake data model (choose one of them).