



Management Information Systems Management

2020/2021

Project

Part 1

The students must create an original project.

Deliverables of the 1st part of the work:

- Project Report, including (the following template is mandatory):
 - Project Plan
 - Requirements Document
 - Use Case Diagram and Activity Diagrams
 - Class Diagram
- Implementation of the MS-Access, including data. The group may also use MySQL.

Part 2

The group must create a PowerBI Dashboard using the dataset given by the professor. Accordingly, teams should follow a methodology that includes the BI steps studied in class.

In the context of the previous methodology, the group must:

- Define the meaning of the Business Intelligence work, including the KPIs that will be analyzed
- Add extra data to the data presented.
- Derive the Data-warehouse schema (Star or Snowflake), defining the table's structure (s) of facts and dimensions.
- Justifying the layout and navigation of the dashboard must be justified (using design theory and storytelling approach).
- The selection of the charts must be justified using the decision tree presented in the class.
- Create a Report using the appropriate views based on the chosen KPIs. Handle the data so that it can be loaded into the PowerBi. Develop a dashboard that answers the questions raised in previous points.

Deliverables of the 2nd part of the work:

- a. Report
- b. PowerBI file

Project presentation and discussion

All the team members must be in class for discussion. Otherwise, the project evaluation for this team member will be 0 (zero). If the presentation is online, the camera must be turned on.

Pay attention to submission deadlines and discussion dates.



LISBON SCHOOL OF ECONOMICS & MANAGEMENT

UNIVERSIDADE DE LISBOA

Management

(Undergraduate Program)

Project Title

Students:

Autor 1, Numero
Autor 2, Número
Autor 3, Número

Lecturer:

Prof. Carlos J. Costa, Associate Professor
Information Systems and Operation Management
Department of Management

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