DIAS: Data-Intensive Applications and Systems Laboratory
School of Computer and Communication Sciences
Ecole Polytechnique Fédérale de Lausanne
Building BC, Station 14
CH-1015 Lausanne
URL: http://dias.epfl.ch/

Databases Project – Spring 2019

Team No: 32

Names: Sophie Ammann, Samuel Chassot and Daniel Filipe Nunes Silva

Contents

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Deliverable 1

Assumptions

<In this section write down the assumptions you made about the data. Write a sentence for each assumption you made>

Entity Relationship Schema

<In this section you should have figure of the ER schema as well as descriptions about entities and relations>

Schema

<Add the figure of the ER schema>

Description

<Describe all the choices you made for Entities and Relationships>

Relational Schema

ER schema to Relational schema

<Describe the transition from ER schema to Relational schema>

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DDL

<Provide the DDL>

General Comments

<In this section write general comments about your deliverable (comments and work allocation between team members>

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Deliverable 2

Assumptions

<In this section write down the assumptions you made about the data. Write a sentence for each assumption you made>

Data Loading

Query Implementation

<For each query>

Query a:

Description of logic:

<What does the query do and how do I decide to solve it>

SQL statement

<The SQL statement>

Interface

Design logic Description

<Describe the general logic of your design as well as the technology you decided to use>

Screenshots

<Provide some initial screen shots of your interface>

General Comments

<In this section write general comments about your deliverable (comments and work allocation between team members>

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Deliverable 3

Assumptions

<In this section write down the assumptions you made about the data. Write a sentence for each assumption you made>

Query Implementation

<For each query>

Query a:

Description of logic:

<What does the query do and how do I decide to solve it>

SQL statement

<The SQL statement>

Query Analysis

Selected Queries (and why)

Query 1

<Initial Running time:
Optimized Running time:
Explain the improvement:
Initial plan
Improved plan>

Query 2

<Initial Running time:
Optimized Running time:
Explain the improvement:
Initial plan
Improved plan>

Query 3

<Initial Running time:
Optimized Running time:
Explain the improvement:
Initial plan
Improved plan>

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Interface

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