DM Final Report

**Compliance with the requirements**

The database meets the requirements:

* The database includes limits of attendees that are required due to COVID-19.
* Customers have a choice to choose or not to choose the age group.
* Customers have a choice to give or not to give a permission to store the data. If customer prefers not to share personal data, then it is not possible to enroll and participate.
* The database includes enrollment date and time, so if somebody wants to cancel the enrollment, there is a possibility to choose somebody from the waiting list.
* Organizers’ and participants’ data are the same.

Customers can evaluate the tour in case if the consent to store data is positive.

**Achievements and difficulties**

Achievements:

* Extra knowledge was gained during the database physical design.
* The database meets technical requirements.

Difficulties:

* One transaction was not completed.
* We have changed the database several times due to complicated requirements.
* It was not clear at the first stages how to combine data, for example, about cancelling a tour and an enrollment as well as site evaluation.

**Findings**

* + The project meets technical requirements and almost all the tests, except one, were completed successfully.
  + If we could have a possibility to work on this project next time, we would prefer to spend more time on the searching for transactions examples as well as the examples of existing databases.

**Workload**

**Almost all the activities were done as a teamwork**

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| **Alexander Filippov** | | |
| **Date** | **Time** | **Description** |
| 20/4/2020 | 2 hours | ER diagram draft |
| 21/4/2020 | 20 minutes | ER diagram final version |
| 22/4/2020 | 20 minutes | Relational schema and BCNF |
| 25/4/2020 | 3 hours | DB diagram draft |
| 25/4/2020 | 1 hour | DB diagram INSERT data |
| 25/4/2020 | 1 hour | Test queries for checking the data |
| 26/4/2020 | 2 hours | Final version of the DB diagram |
| 03/5/2020 | 4 hours | Testing the database |
| 10/5/2020 | 2 hours | Testing the database and final report |
| **TOTAL** | **15h40min** |  |
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| **Erika Poldmaa** | | |
| **Date** | **Time** | **Description** |
| 20/4/2020 | 2 hours | ER diagram draft |
| 22/4/2020 | 30 minutes | Repository |
| 25/4/2020 | 3 hours | DB diagram draft |
| 25/4/2020 | 1 hour | DB diagram INSERT data |
| 25/4/2020 | 1 hour | Test queries for checking the data |
| 26/4/2020 | 2 hours | Final version of the DB diagram |
| 03/5/2020 | 4 hours | Testing the database |
| 10/5/2020 | 2 hours | Testing the database and final report |
| **TOTAL** | **15h30min** |  |
|  | | |
| **Viktoriia Khisanova** | | |
| **Date** | **Time** | **Description** |
| 20/4/2020 | 2 hours | ER diagram draft |
| 22/4/2020 | 30 minutes | Repository |
| 25/4/2020 | 3 hours | DB diagram draft |
| 25/4/2020 | 1 hour | DB diagram INSERT data |
| 25/4/2020 | 1 hour | Test queries for checking the data |
| 26/4/2020 | 2 hours | Final version of the DB diagram |
| 03/5/2020 | 4 hours | Testing the database |
| 10/5/2020 | 2 hours | Testing the database and final report |
| **TOTAL** | **15h30min** |  |