**Use Case UC-008**

Version 1.20

**Revision History**

| Date | Author | Description of change |
| --- | --- | --- |
| 11/03/2023 | Yuan, Dominic | Create the draft |
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**Use Case:** Users wish to view or download data from the database.

**Id**: UC - 008

**Description**

Users need to query data from the database and then want to view or download that data from PHPMyAdmin for their own use.

**Level:** User goal

**Primary Actor**  
Data Analyst

**Supporting Actors**

Data Administrator

**Stakeholders and Interests**

Data Analyst - interested in viewing and downloading queried data.

Database Administrator - Interested in ensuring the integrity of the database

**Pre-Conditions**

1. Operational database
2. Logged into IONOS and have access to PHPMyAdmin UI

**Post Conditions**

Success end condition

1. Data analyst views or downloads queried data.

Failure end condition:

1. No output from the queries - the data doesn’t exist in the database
2. The queries have syntax mistakes and return errors

Minimal Guarantee

1. Data from the database is viewable by the user.
2. The message indicating success or failed operation will be output onto the console of PHPMyAdmin

**Trigger**

1. Data Analyst wishes to preview or download data from the database.

**Main Success Scenario**

1. The database admin selects the database in question.
2. A query is then run on the tables in the database.
3. Data output is provided in tabular format.
4. Database Admin clicks the 'export’ button creating a download of the queried data.

**Extensions**

2a. The user opens the Query tab, selects predefined tables and columns, and generates the query

4a. The user instead wishes to create a view and clicks the ‘Create View’ button.

4ai. A view of the query is created and presented to the user. Revisit step 3 if required.

4b. The user instead wishes to see the data in chart form achievable through the ‘Display Chart’ button.

4bi. A 2-D chart will appear of the numerical data if possible.

4bii. Alternative chart options and settings may be used by the user all with the print option being available.

4c. The user wishes to print out the queried data through the ‘Print’ button.

4ci. The operating system's print functionality will take over and print out the data.

**Frequency:**

The frequency of this use case is not on a timely basis, this occurs when the user has a need for querying data or downloading the data from the database.

**Assumptions**

1. The user has a basic knowledge of navigating to PHPMyAdmin from IONOS.
2. The user is competent to make queries on PhpMyAdmin

**Special Requirements**

**Security**

1. Access IONOS through the web portal with valid credentials.
2. Access phpMyAdminwith admin credentials

**Performance**

1. A database administrator must be available during regular working hours in order to fulfill user requests.

**Change Logs**

N/A

**Issues**

1. How long will it take for the data requested to be queried since the initial request.