Databases Artifact

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## Database Creation

Graphical user interface, text, application, email

Description automatically generated

The database was deployed with the name of SNHU for the purpose of this enhancement plan. The database can be seen in the screenshot under the database tab in MongoDB Atlas.

## Add New User – Admin Rights

Graphical user interface, text, application, email

Description automatically generated

A new user had been added beyond the initial creation for me with password authentication and Atlas admin privileges.

## Add Network Access – Home and Work

Graphical user interface, text, application, email

Description automatically generated

Multiple IP addresses have been added to the network access tab to support my home computer and my work computer for when working on the enhancement plan.

## MongoDB Shell Install Instructions

Graphical user interface, text, application, email

Description automatically generated

The instructions provided explain how to install MongoDB Shell for multiple operating systems and I chose Windows and went through the process.

## MongoDB Shell Connection Instructions

Graphical user interface, text, application

Description automatically generated

After installation of the MongoDB Shell, I verified the version installed using a Windows command prompt and received 1.8.0 back.

## MongoDB Shell Successful Connection

Text

Description automatically generated

I demonstrated logging into the database successfully utilizing the Mongo DB shell method in the screenshot.

## Loading Sample Set Through Atlas GUI

Graphical user interface, text, application

Description automatically generated

I later realized that the database can be manipulated through the included GUI and felt it would be more interesting to utilize it. My past courses only demonstrated databases through shells. In the screenshot, I began to load a sample dataset that will later be used to demonstrate other functionality.

## Viewing Collections Within Database

Graphical user interface, text, application

Description automatically generated

The sample datasets can be seen indicating they were successfully loaded into the database under collections.

## Visualizing Queried Data Within a Collection

Chart, bar chart

Description automatically generatedUtilizing the GUI, data can be queried and manipulated with ease to create valuable information through visualizations about the datasets. The example shown displays the number of items sold by store location. It can be seen that the stores selling the most, in order, are Denver, Seattle, London, Austin, New York, then San Diego.

## Data Visuals Stored for Later Use

Chart

Description automatically generatedThe visualizations created can be stored in a dashboard for later use and reference. This is useful to quicky create and store many type of valuable information.