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**CSCI 5709 - Advanced Web Services**

**Summer 2024**

**Tutorial 6**

**Submitted By:**

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# MongoDB [1] Account Creation Created an account in MongoDB (Figure 1).

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Figure 1: MongoDB Signup Page

# Account Confirmation: Account successfully created (Figure 2).

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Figure 2: MongoDB Home Page

# Cluster Selection: Selected the cluster type (Figure 3).

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Figure 3: Cluster Creation

# Cluster Credentials Setup: Created credentials to access the cluster (Figure 4).

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Figure 4: Credentials Page

# IP Whitelisting: Provided access to my IP (Figure 5).

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Figure 5: Whitelisted IP for Cluster Access

# Cluster Overview: Displaying the Cluster Overview page (Figure 6).

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Figure 6: Cluster Overview

# Cluster Connection Details: Connection details of the cluster (Figure 7).

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Figure 7: Connection Details

# Connecting with MongoDB Compass [2]: Connected to the cluster using MongoDB Compass, with the URI entered in the connection field (Figure 8).

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Figure 8: Connecting to the cluster from MongoDB Compass

# Figure 9 shows the Compass dashboard after connecting to the cluster.

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Figure 9: Compass dashboard

# Database and Collection Creation: Created a database named 'test' and a collection named ‘eco\_products’ in the cluster (Figure 10).

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Figure 10: Database and Collection Creation

# First Entry Insertion: Inserted the first entry manually into the cluster (Figure 11).

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Figure 11: Manual First Entry Insertion

# Inserted document in the collection (Figure 12).

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Figure 12: Manually Entered Document

# Inserting Multiple Records: Query to insert multiple records into the collection (Figure 13) and its result (Figure 14).

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Figure 13: Query to Insert Multiple Records

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Figure 14: Result of Multiple Records Insertion

# Retrieving All Records: Query to retrieve all records from the collection (Figure 15) and its result (Figures 16 and 17).



Figure 15: Query to Retrieve All Records

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Figure 16: Result of Query to Retrieve All Records (Part 1)

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Figure 17: Result of Query to Retrieve All Records (Part 2)

# Modifying a Single Record: Query to modify a single record and its result (Figure 18).

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Figure 18: Query to Modify a Single Record and Result

# Retrieving Modified Record: Retrieval query to get the modified record (Figure 19).

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Figure 19: Retrieval of Modified Record

# References:

[1] "MongoDB Documentation." MongoDB. Accessed: Jul. 17, 2024. [Online]. Available: https://www.mongodb.com/docs/

[2] "What is MongoDB Compass? - MongoDB Compass." MongoDB. Accessed: Jul. 17, 2024. [Online]. Available: https://www.mongodb.com/docs/compass/current/