**Dear Students,**

This is to inform you about the upcoming **MongoDB Practical Test**, which will assess your understanding of core MongoDB concepts through hands-on implementation in **MongoDB Atlas**.

Please read the following instructions carefully and adhere to the submission format for your work to be evaluated correctly.

**Test Syllabus**

You will be evaluated on the following areas:

* Creation of **Databases** and **Collections**
* Proper **Data Modeling** using **embedded** or **referenced** structures
* Writing **Aggregation Pipelines** using the Aggregation tab
* Creating **Indexes** to improve query performance
* Storing Aggregations as **Views**

**Test Environment Setup**

1. **MongoDB Atlas Cluster**
   * Create a **free-tier (M0) MongoDB Atlas cluster**
2. **Database Access**
   * Create a database user with the following credentials:
     + **Username:** your **college unique number** (in lowercase)
     + **Password:** same as your college unique number
     + Role: readWrite for your working database
3. **Network Access**
   * Go to **Network Access** and **add IP address**:

o   [0.0.0.0/0](http://0.0.0.0/0)

* + This ensures evaluator access from any location.

**Aggregation & View Instructions**

After writing each aggregation query in MongoDB Compass:

* Click **Create View** in the Aggregation tab
* Choose the correct **database** (e.g., studentDB)
* Name the view using the following format:

        Q1\_totalWishlistOver3

        Q2\_topSpendingUsers

        Q3\_ordersByCity

* Click **Create**

Make sure to **run and preview** your aggregation pipeline before saving  
Do **not** submit views with empty pipelines — they will not be evaluated

**Submission Guidelines**

Submit the following details via the form or classroom portal:

1. **MongoDB Connection String**  
   Include your credentials in the URL format.  
   Example:

mongodb+srv://e0300001:[e0300001cluster0.xyz.mongodb.net/studentDB](http://e0300001cluster0.xyz.mongodb.net/studentDB)

1. **List of Views Created (with Question Numbers)**
   * Q1\_totalWishlistOver3
   * Q2\_topSpendingUsers
   * Q3\_ordersByCity  
     *(Include all that are part of your test.)*