**Dear Students,**

As part of your project-based assessment, each of you has been assigned a **unique project title**. You are required to complete and submit the following components for evaluation.

This assignment is designed to help you practice **real-world MongoDB data modeling**, perform **CRUD and aggregation operations**, and create a **personal portfolio** hosted on **GitHub Pages**.

**Assignment Checklist**

**MongoDB Data Modeling**

        Design your project’s schema in **MongoDB Atlas** using proper modeling (embedded or referenced).

        Reflect this structure in your collection documents.

*Please ensure your GitHub repository contains the following:*

**1. MongoDB Data Modeling Document**

* Create a document named: **MongoDB\_Data\_Modeling.docx**
* Describe your data model with diagrams (if possible), list of collections, and explain whether you used **embedding** or **referencing** and why.

**2. MongoDB Collection Folder**

* Create a folder named **collections/**
* Add all your collections as individual .json files
* Each collection should have **at least 10 documents** with valid structure and fields

**3. CRUD Operations Documentation**

* File name: **MongoDB\_CURD.docx**
* Document **Create, Read, Update, Delete** operations for each collection used in your project

**4. Aggregation Documentation**

* File name: **MongoDB\_Aggregation.docx**
* For each collection, write **2–3 aggregation queries**
* Save each aggregation as a **view** in your MongoDB Atlas cluster
* Document what each aggregation does and why it was used

**5. Personal Portfolio (HTML + CSS)**

* Build a basic personal portfolio using **HTML and CSS**
* Deploy it on **GitHub Pages**
* Ensure it includes your name, skills, and project summary

**Submission Requirements**

*Please submit the following links:*

1. **GitHub Repository Link** (with all documents and code)
2. **MongoDB Atlas Connection String**
3. **Portfolio Links**
   * GitHub repository of your portfolio
   * Live GitHub Pages URL

**Deadline**

Submit all components by **24.07.2025**  
Your MongoDB Atlas cluster should remain active and accessible.

**Access Configuration**

* MongoDB User:
  + **Username:** your **college unique number** (lowercase)
  + **Password:** same as username
* Network Access:
  + Allow IP address range: [0.0.0.0/0](http://0.0.0.0/0) (required for evaluation)