



NATIONAL UNIVERSITY
OF COMPUTER & EMERGING SCIENCES
PESHAWAR CAMPUS



Assignment	MongoDB - CURD	Semester:	Spring 2021
Points:	-		
Date Set:	13 th June, 2021	Due Date:	20 th June, 2021
Course:	Database Systems	Instructor:	Ms. Safia Fatima

MongoDB CURD Operations

Note: Read the whole assignment before starting your work as there are important bits of information laid out for your ease.

This assignment shall test your concepts of **MongoDB CURD Operations** that you have studied in database systems course. A collection has already been set for this assignment and so you need to first download the 'assignment.json' file in your desired folder from this github link:

<https://github.com/muralweirdo/mongo>

After downloading it in your desired folder, you need to import it using the command:

```
sudo mongoimport --db good_db --collection restaurants  
--file assignment.json
```

After issuing this command you will have 25359 documents imported successfully and a new database by the name 'good_db' has been created with the collection 'restaurants'.

Now you can start your mongo shell and use this newly created database 'good_db'. For reassurance, you can issue the command:

```
> db.restaurants.count()
```

This will return the count = 25359.

1. Read Operations

Your task is to issue commands for the following situations below:

- 1 . Retrieve the first document of the collection restaurants only.
- 2 . Retrieve all those restaurants named "Wendy'S", serving the cuisine of "Hamburgers" and in the borough of "Bronx".
- 3 . Retrieve all those restaurants having a grade of 'A', score of '2', on the date of "2014-05-08T00:00:00Z".

2. Update Operations

- 1 . Update the name of restaurant to "FAST" who's restaurant ID is "50008124".
- 2 . Find out all the restaurants named "Wendy'S Old Fashioned Hamburgers" and update their cuisine to "Desi".
- 3 . There are many "Mcdonald's" in the borough of "Staten Island". Update all cuisines of Mcdonald's to "Pizzas".

3. Removing Operations

- 1 . Remove all restaurants named "Wendy'S Old Fashioned Hamburgers".
- 2 . Remove all entries serving the cuisine "Pizza".
- 3 . Find all Burger King restaurants, serving the cuisine of Hamburgers in the borough of Queens and delete all those entries only.

4. Creating your own document

As you are aware that currently there is a collection named 'restaurants' featuring many entries/documents. You need to now create a document of a restaurant of your own. You can choose the address, borough, cuisine and name of your liking but the restaurant_id should be your roll number (e.g: 0058) Insert this new entry to the restaurants collection.

5. Submission

For each step of this assignment, you need to capture screenshots of everything you do. In the end paste all those screenshots in a word file and submit the assignment in **PDF format**.