



Universidad de las Fuerzas Armadas

CLASS NAME: OBJECT ORIENTED
PROGRAMMING
LASCANO
NRC: 14575
TOPIC: Mongo Implementation

TEACHER: EDISON

HOMEWORK #: 17

DAVID GUSTAVO CEPEDA SALGUERO
CREATE

```
_id: ObjectId('65ad7bdb50ca9d36d87334de')
customerName: "Felipe"
email: "felipe@gmail.com"
phoneNumber: "0965875236"
address: "Quito"
userId: "1"
password: "felipemelo17"
loginStatus: "active"
registerDate: 2024-01-21T20:17:31.901+00:00
```

3. Exit

1

=== We need some information about yourself, please provide us with correct and real data to proceed with the deli

Enter user name:

Felipe

Enter user email:

felipe@gmail.com

Enter user phone number:

0965875236

Enter user address:

Quito

== Information for Login ==

Enter user ID:

1

Enter user password:

felipemelo17

User registered successfully.

User Option

1. Register new user
2. View all users
3. Delete user by id
4. Update user by id
5. Exit

```

System.out.println(x: "Enter user email: ");
String email = scanner.nextLine();

System.out.println(x: "Enter user phone number: ");
String phoneNumber = scanner.nextLine();

System.out.println(x: "Enter user address: ");
String address = scanner.nextLine();

System.out.println(x: " == Information for Login ==");
System.out.println(x: "Enter user ID: ");
String userId = scanner.nextLine();

System.out.println(x: "Enter user password: ");
String password = scanner.nextLine();

Document newUserDocument = new Document()
    .append(key: "customerName", value: customerName)
    .append(key: "email", value: email)
    .append(key: "phoneNumber", value: phoneNumber)
    .append(key: "address", value: address)
    .append(key: "userId", value: userId)
    .append(key: "password", value: password)
    .append(key: "loginStatus", value: "active")
    .append(key: "registerDate", new Date());

usersCollection.insertOne(td: newUserDocument);

System.out.println(x: "User registered successfully.");
}

```

READ

```

User Option
1. Register new user
2. View all users
3. Delete user by id
4. Update user by id
5. Exit
2

```

2	Pepe	pepebata3@gmail.com	0998451234	Sangolqui	Sun Jan 21 15:08:29 EC
3	Jorge	jorge@gmail.com	097856235	Guayaquil	Sun Jan 21 15:11:13 EC
1	Felipe	felipe@gmail.com	0965875236	Quito	Sun Jan 21 15:17:31 EC

=====

```

private static void viewAllUsers() {
    usersCollection.find().forEach((Consumer<Document>) document -> {
        String userId = document.getString(key: "userId");
        String customerName = document.getString(key: "customerName");
        String email = document.getString(key: "email");
        String phoneNumber = document.getString(key: "phoneNumber");
        String address = document.getString(key: "address");
        String registerDate = document.getDate(key: "registerDate").toString();

        // Formatear la salida como una tabla
        String formattedOutput = String.format(format: "| %-15s | %-20s | %-30s | %-15s | %-30s | %-20s |",
            args: userId, args: customerName, args: email, args: phoneNumber, args: address, args: registerDate);

        // Imprimir la fila de la tabla
        System.out.println(x: formattedOutput);

        // Imprimir una línea separadora
        System.out.println(x: StringUtils.repeat(str: "-", repeat: 130));
    });
}

```

⬆ Users

	_id ObjectId	customerName String	email String
1	ObjectId('65ad79bdc6ce786...	"Pepe"	"pepebata3@gmail.com"
2	ObjectId('65ad7a61874a2e7...	"Jorge"	"jorge@gmail.com"
3	ObjectId('65ad7bdb50ca9d3...	"Felipe"	"felipe@gmail.com"

UPDATE

Enter user ID to update:

1

Enter updated user name:

Jorge Nando

Enter updated user email:

jorgenando@gmail.com

User updated successfully.

=====

```
} _id: ObjectId('65ad7bdb50ca9d36d87334de')
  customerName: "Jorge Nando"
  email: "jorgenando@gmail.com"
  phoneNumber: "0965875236"
  address: "Quito"
  userId: "1"
  password: "felipemelo17"
  loginStatus: "active"
  registerDate: 2024-01-21T20:17:31.901+00:00
```

```
private static void updateUserById() {
    Scanner scanner = new Scanner(System.in);
    System.out.println(x: "Enter user ID to update: ");
    String userIdToUpdate = scanner.nextLine();

    Document userToUpdate = usersCollection.find(new Document(key: "userId", value: userIdToUpdate)).first();

    if (userToUpdate != null) {
        // Perform the update, you can modify the user properties here
        System.out.println(x: "Enter updated user name: ");
        userToUpdate.put(key: "customerName", value: scanner.nextLine());

        System.out.println(x: "Enter updated user email: ");
        userToUpdate.put(key: "email", value: scanner.nextLine());

        // ... (similarly for other properties)

        usersCollection.replaceOne(new Document(key: "userId", value: userIdToUpdate), td: userToUpdate);
        System.out.println(x: "User updated successfully.");
    } else {
        System.out.println("User not found with ID: " + userIdToUpdate);
    }
}
```

DELETE

```

2
| 2          | Pepe          |
-----
| 3          | Jorge         |
-----
| 1          | Jorge Nando   |
-----
*=====*
User Option
1. Register new user
2. View all users
3. Delete user by id
4. Update user by id
5. Exit
3
Enter user ID to delete:
3
User deleted successfully.
*=====*
User Option
1. Register new user
2. View all users
3. Delete user by id
4. Update user by id
5. Exit
2
| 2          | Pepe          |
-----
| 1          | Jorge Nando   |
-----
*=====*

```

📡 Users

	_id ObjectId	customerName String
1	ObjectId('65ad79bdc6ce786...	"Pepe"
2	ObjectId('65ad7bdb50ca9d3...	"Jorge Nando"

```

private static void deleteUserById() {
    Scanner scanner = new Scanner(System.in);
    System.out.println(x: "Enter user ID to delete: ");
    String userIdToDelete = scanner.nextLine();

    usersCollection.deleteOne(new Document(key: "userId", value: userIdToDelete));
    System.out.println(x: "User deleted successfully.");
}

```