# Module 3 – CRUD Operations

## Case Study - 1

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# Business Requirement

As a Data Administrator of your organization, you receive JSON files from various web applications on recurring basis, which have new or updated records. You are responsible for updating the outdated documents and inserting the new documents in appropriate collection. You are also supposed to delete the redundant documents.

# Key Issues

- Create a new collection named as users and insert a document with userID: 1092, Name: Simon, and Password: abcd123.
- The orderStatus of orderId ORD34 has changed from 'Placed' to 'Scheduled for Manufacturing'. However, it is not reflected in the document. You are responsible for updating it in the order collection.
- You are also asked to find a document with incorrect detail such as "maufacturer": "Ferrai" and remove them, if such document exists.

# Approach to Solve

- Even though you have installed Nosqlclient as the UI for MongoDB, you should also know how to execute CRUD operations using the MongoDB.exe file.
- Use commands such as insert, update, remove, and find to solve the above mentioned key issues.
- Syntax of few basic CRUD commands are:

  a. **Insert**: db.COLLECTION_NAME.insert(document)
  b. **Update**: db.COLLECTION_NAME.update(SELECTION_CRITERIA, UPDATED_DATA)
     For example: db.col_name.update({"key": "value"}, {$set:{"key": "value"}})
  c. **Delete**: db.COLLECTION_NAME.remove(DELETION_CRITTERIA)
  d. **Find**: db.COLLECTION_NAME.find()