 

1.1. Desarrollar el Proyecto

A continuación, creará su propia base de datos de red social con las siguientes colecciones:

* Users
* Posts
  + Comments

use redSocialDB;

db.createCollection("users");

db.createCollection("posts");

#### 1.2.1 INSERTAR DATOS

* Insertar al menos 15 publicaciones nuevas con almenos 2 comentarios por publicación:
  + Title
  + Body
  + Username
  + Comments
    - Username
    - Body

db.posts.insertOne([

  {

    title: "Title post",

    body: "Body post",

    username: "Federico",

    comments: { username: "Miguel", body: "Body comment" },

  },

]);

db.posts.insertMany([

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Daniel", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Sergio", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Alex", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Matias", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Daniela", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Sif", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Diego", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "German", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Sofia", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Elisa", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Rocio", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Eustaquio", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Euralio", body: "Body comment" },

  },

  {

    title: "Title post",

    body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry.",

    username: "Federico",

    comments: { username: "Ricardo", body: "Body comment" },

  },

]);

* Insertar al menos 10 nuevos usuarios:
  + Username
  + Email
  + Age

db.users.insertMany([

  { username: "Federico", email: "federico@gmail.com", age: 34 },

  { username: "Sofia", email: "sofia@gmail.com", age: 23 },

  { username: "Alex", email: "alex@gmail.com", age: 26 },

  { username: "Matias", email: "matias@gmail.com", age: 40 },

  { username: "Daniela", email: "daniela@gmail.com", age: 27 },

  { username: "Sif", email: "sif@gmail.com", age: 18 },

  { username: "Miguel", email: "miguel@gmail.com", age: 32 },

  { username: "Daniela", email: "daniela@gmail.com", age: 20 },

  { username: "Diego", email: "diego@gmail.com", age: 33 },

  { username: "German", email: "german@gmail.com", age: 21 },

]);

#### 1.2.2 ACTUALIZAR DATOS

* Actualizar publicaciones:
  + Actualiza todos los campos de una publicación

db.posts.updateOne(

  { username: "Federico" },

  {

    $set: {

      title: "Title post updated",

      body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry. Updated!",

      username: "Federico Updated",

      comments: { username: "Miguel Updated", body: "Body comment Updated" },

    },

  }

);

* + Cambiar el body de una publicación.

db.posts.updateOne(

  { username: "Federico" },

  {

    $set: {

      body: "Lorem Ipsum is simply dummy text of the printing and typesetting industry. Body Updated!",

    },

  }

);

* + Actualizar comentarios:
    - Actualiza el comentario de una publicación.

db.posts.updateOne(

  { username: "Federico" },

  {

    $set: {

      comments: { body: "Comment of post super Updated" },

    },

  }

);

* Actualizar usuarios:
  + Actualiza todos los campos de un usuario

db.users.updateOne(

  { username: "Sofia" },

  {

    $set: {

      username: "Euralio",

      email: "euralio@gmail.com",

      age: "95",

    },

  }

);

* + Cambiar el email de dos usuarios es decir hacer la query dos veces.

db.users.updateOne(

  { username: "Miguel" },

  {

    $set: {

      email: "miguel\_updated@gmail.com",

    },

  }

);

db.users.updateOne(

  { username: "Daniela" },

  {

    $set: {

      email: "daniel\_updated@gmail.com",

    },

  }

);

* + Aumenta en 5 años la edad de un usuario

db.users.updateOne(

  { username: "Diego" },

  {

    $inc: {

      age: 5,

    },

  }

);

#### 1.2.3 OBTENER DATOS

* Seleccionar todas las publicaciones

db.posts.find();

* Selecciona las publicaciones que coincidan con el username indicado

db.posts.find({

  username: "Euralio",

});

* Seleccione todos los usuarios con una edad mayor a 20

db.users.find({ age: { $gt: 20 } });

* Seleccione todos los usuarios con una edad inferior a 23

db.users.find({ age: { $lt: 23 } });

* Seleccione todos los usuarios que tengan una edad entre 25 y 30 años

db.users.find({ $and: [{ age: { $gt: 25 } }, { age: { $lt: 30 } }] });

* Muestra los usuarios de edad menor a mayor y viceversa

db.users.find().sort({ age: 1 });

db.users.find().sort({ age: -1 });

* Seleccione el número total de usuarios

db.users.count();

* Seleccione todas las publicaciones de la siguiente manera: Título de la publicación: "título de las publicaciones"

db.posts.find().forEach((doc) => {

  print("Titulo de la publicación: " + doc.title);

});

* Selecciona solo 2 usuarios

db.users.find({ $or: [{ username: "Sofia" }, { username: "German" }] });

* Busca por title 2 publicaciones

db.posts.find({

  title: "Title post",

});

db.posts.find({

  title: "Title post updated",

});

#### 1.2.4 BORRAR DATOS

* Elimina a todos los usuarios con una edad mayor a 30

db.users.deleteMany({ age: { $gt: 30 } });

1.3 Extra

* Seleccione el número total de publicaciones que tienen más de un comentario
* Seleccione la última publicación creada

db.posts.find().limit(1).sort({ \_id: -1 });

* Selecciona 5 publicaciones y que sean las últimas creadas

db.posts.find().limit(5).sort({ \_id: -1 });

* Elimina todas las publicaciones que tengan más de un comentario