

## Mongosh Commands

- For if you are setting up the database from scratch.
- Sets up the collection and sample schema's that can be used.
- Modify at own will.

### *\*\* Main Collections \*\**

```
db.createCollection('users');
db.createCollection('quizzes');
db.createCollection('quizzes_responses');
```

### *\*\* Main User Account \*\**

```
db.users.insertOne({
  _id: '638e70ce95c08f5bde795f15'
  username: 'daniel',
  password: {
    hash:
'$2a$10$CnCUBnEeMwe2EEB781uEVeVrPmNFqEhKEVyLY2ybKZTy4JXHosZfS',
    salt: '$2a$10$CnCUBnEeMwe2EEB781uEVe'
  },
  name: {
    firstname: 'Daniel',
    lastname: 'Kasnick'
  },
  email: 'dankasnick@hotmail.com',
  role: 'admin',
  created: ISODate(),
  lastlogin: ISODate()
});
```

### *\*\* Sample Quiz \*\**

```
db.quizzes.insertOne({
  creator : 'daniel',
  title : 'Sample Quiz #1',
  tags : ['TEST', 'DEV'],
  date : Date('<YYYY-mm-ddTHH:MM:ss>'),
  questions:{
    1:{
      question: 'Does this prompt load?',
      options:{1:'Yes', 2 : 'No', 2 : 'Maybe', 2 : 'So'},
      answer:1
    },
    2:{
      question: 'Does this prompt load?',
      options:{1:'Yes', 2 : 'No', 2 : 'Maybe', 2 : 'So'},
      answer:1
    },
    3:{
      question: 'Does this prompt load?',
      options:{1:'Yes', 2 : 'No', 2 : 'Maybe', 2 : 'So'},
      answer:1
    }
  }
});
```

```
    }  
  });  
  
  ** Same Quiz Response **  
  db.quizzes_responses.insertOne({  
    quiz_id: '638eeae3b0915a34e2a4bf5',  
    username: 'daniel',  
    useremail: 'dankasnick@hotmail.com',  
    userID: '638e70ce95c08f5bde795f15',  
    answers: {1:1, 2:1, 3:1},  
    date: ISODate(),  
    correct: 3,  
    incorrect: 0,  
    percentage: 100  
  });
```

ALL IDs should automatically generate in mongoose and mongosh, some have automatically attached ID's as userID's are linked to the responses.

Realistically, aggregation should be used in the back end to do some of these mongo queries to avoid storing redundant information, this is more just proof of concept that we can get some stuff functioning in React-Node/Mongo

-Daniel Kasnick