

FULL STACK DEVELOPMENT WITH MERN

DATABASE DESIGN AND DEVELOPMENT REPORT

Date	17.07.2024
Team ID	SWTID1720001202
Project Name	Shop-EZ (E-commerce Website)
Maximum Marks	

Objective

The objective of this report is to outline the database design and implementation details for the [Your Project Title] project, including schema design and database management system (DBMS) integration.

Technologies Used

- **Database Management System (DBMS):** MongoDB
- **Object-Document Mapper (ODM):** Mongoose

Design the Database Schema

The database schema is designed to accommodate the following entities and relationships:

1. Users

- Attributes: [_id, name, email, password, cartitems,date]

Implement the Database using MongoDB

The MongoDB database is implemented with the following collections and structures:

Database Name: [your_database_name]

1. Collection: users

- Schema:

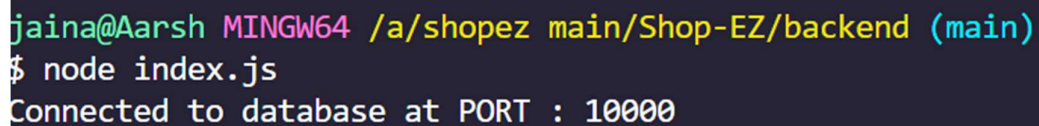
...

{

```
_id: ObjectId,  
name: String,  
email: String,  
password: String,  
cartData:Object  
date:Date  
}  
...
```

Integration with Backend

- Database connection: Give Screenshot of Database connection done using Mongoose



```
jaina@Aarsh MINGW64 /a/shopez main/Shop-EZ/backend (main)  
$ node index.js  
Connected to database at PORT : 10000
```



```
//Database connectio with mongo DB  
mongoose.connect("mongodb+srv://aarshjain2022:aarshjain@cluster0.1tozto2.mongodb.net/?retryWrites=true&w=majority&appName=Cluster0"  
)
```

- The backend APIs interact with MongoDB using Mongoose ODM Key interactions include:
 - User Management: CRUD operations for users.