

Database design:

We have one database and it has two collections

- users - each user has their own document

```
const UserSchema = new Schema({
  name: { type: String, require: true },
  password: {
    type: String,
    require: true,
  },
  isAdmin: { type: Boolean },
});
```

- product - each product has its own document

```
const ProductSchema = new Schema({
  name: { type: String, require: true },
  price: { type: Number, require: true },
  description: { type: String, require: true },
});
```

We planned to have a purchasedProducts for the users in a 1-to-many relationship where the user has an array of products they have purchased embedded in their user document and it has the ObjectId of the product and the quantity

```
const UserSchema = new Schema({
  name: { type: String, require: true },
  password: {
    type: String,
    require: true,
  },
  isAdmin: { type: Boolean },
  products : [
    { id: ..., quantity:... },
    { id: ..., quantity:... },
  ]
});
```