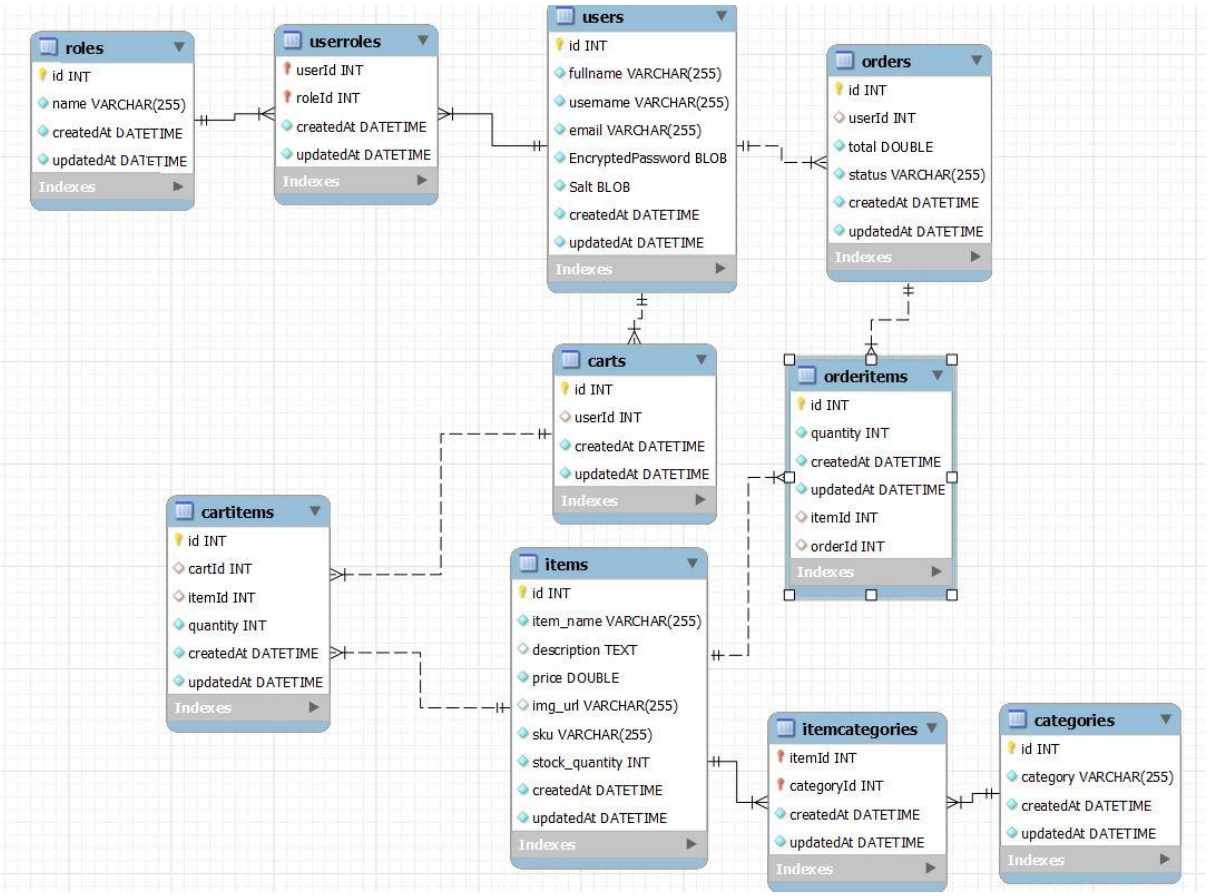
Retrospective Report - EP1

DATABASE ERD:



Explanations to the relationships between the tables:

User - Role: Users can have many roles, and roles can be assigned to many users. Therefore, this is a many-to-many relationship.

User - Cart: A User can have one cart. Therefore, this is a one-to-one relationship.

Cart - CartItem: A cart can have many cart items, but a cart item can only belong to one cart. Therefore, this is a one-to-many relationship.

CartItem - Item: A cart item can only belong to one item, but an item can belong to many cart items. Therefore, this is a one-to-many relationship.

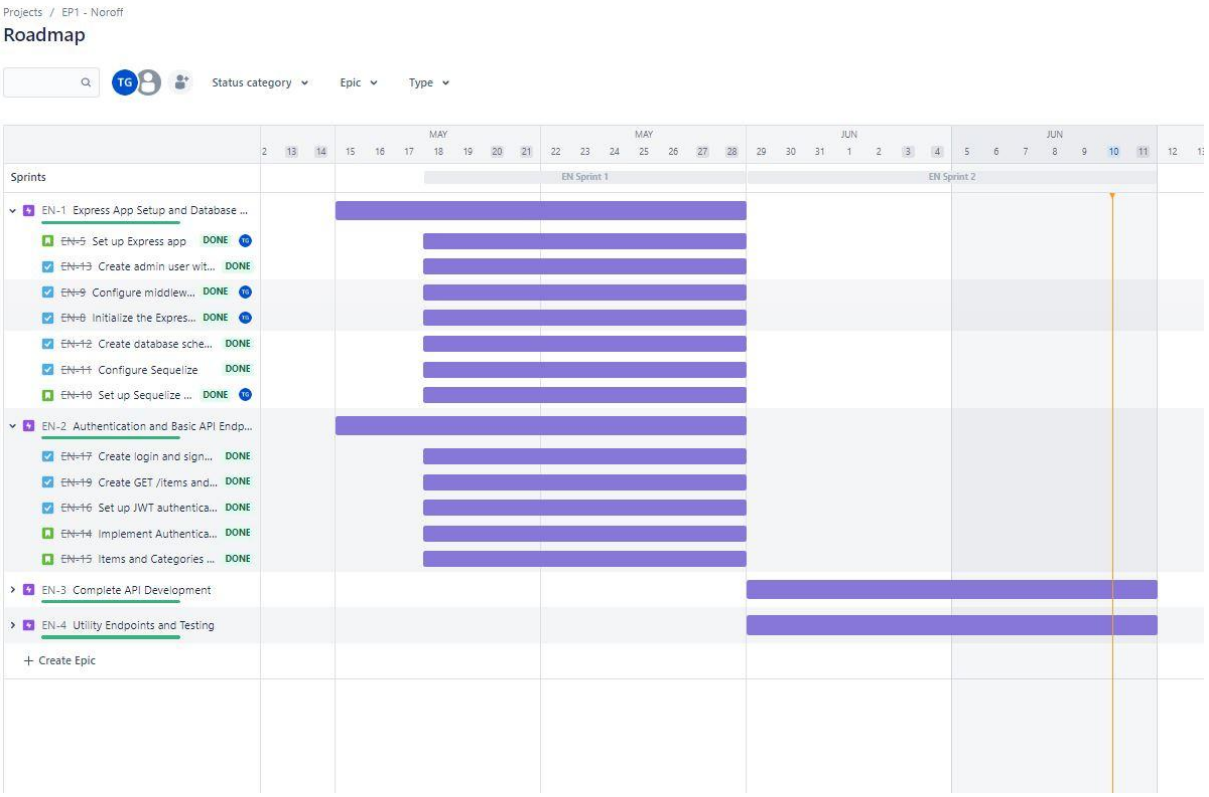
Item - Category: An item can belong to many categories, and a category can have many items. Therefore, this is a many-to-many relationship.

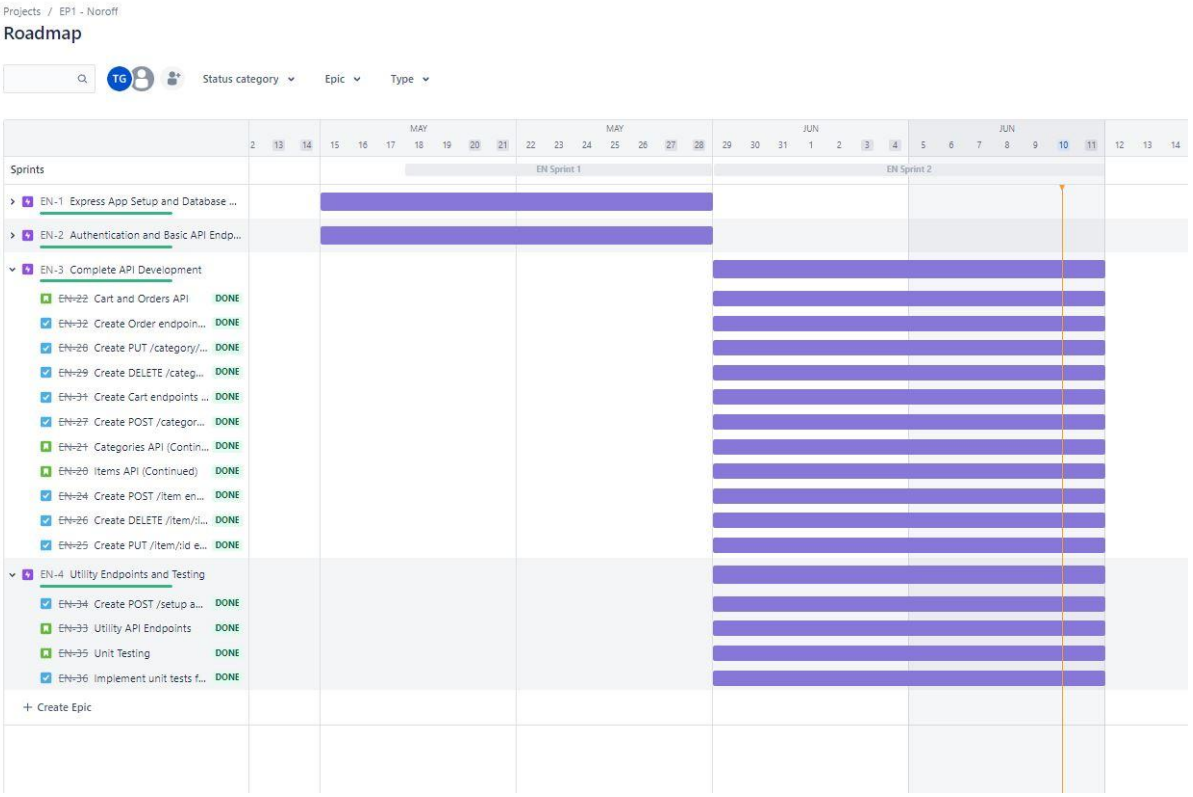
Order - User: An order belongs to one user, but a user can have many orders. Therefore, this is a one-to-many relationship.

Order - OrderItem: An order can have many order items, but an order item belongs to one order. Therefore, this is a one-to-many relationship.

OrderItem - Item: An order item belongs to one item, but an item can belong to many order items. Therefore, this is a one-to-many relationship.

Jira Roadmap of the project with epics and sprints





Discussion of the progression of the project:

The progression of this project actually was pretty steady and good. By making a plan in Jira, marking up all the things I need to do and in what order they need to be done, made it easier for me to keep track of all the points needed to be done, and I could do them one by one at a steady pace.

Some of it I had to reorder because I didn't make everything in the same order as I initially anticipated, most of it, but not everything.
On the other hand this project continued to develop me into a better developer as I learned a lot extra doing it.
Compared to the previous projects I had to use more brain capacity on this one, and form a well made project.

Most of the endpoints were so well defined in the assignment that I just had to make them as the task stated, although I added a few more to make the project a little more rounded. An example is the allorders/orderId where an admin can find a single order based on orderId and does not have to get all orders if he has the orderId of the order he wants to look at.

I also added a description field to the items, so that in the future the items can have a description too. Among other things.

As to why I chose to write the methods etc as I did, is because that’s what we learned to do during this year. Which also helped me make a well organized project.

I've also been reading up on other languages and methods in my spare time, so I've learned even more than we have in this class. I like to keep myself constantly learning.

Challenges faced during the development of this project:

Most of it was straightforward, and I didnt have too much trouble making it, but other functions were harder to make, making it "talk" correctly with the database, and updating the correct information.

One example of that was making the order discount always update correctly, but I figured out a way to do it in the end.
I also always need to write down all tables on a piece of paper and "draw" all the relationships one by one to be able to sort out what needs to relate to what. But what is a project without a few challenges?

One other challenge was sticking to the plan I made in the Jira setup 100%, because sometimes I found myself wanting to do it in a somewhat different order. Despite this I managed to keep track of all of it, so I could pay attention to what I had done, and what needed to be done.

All in all a few hiccups here and there, but I've been having fun all the way making this project.