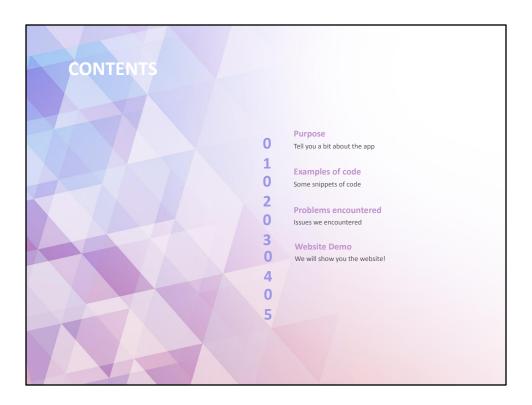


Welcome to our presentation, so Hayden & I built an app called Inventory Management System.



In this presentation, We will tell you all about our app, share some code snippets, some problems we encountered and finally we will do a demonstration of our website.

Inventory Management System

What it does:

This app allows either a manager or employee of a store to sign up, log in and view an inventory of their products.

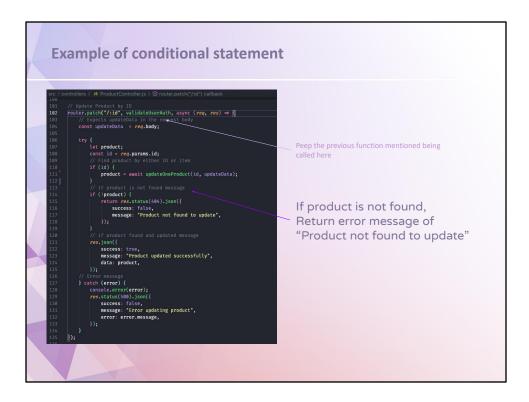
Functionality:

- Sign up; as a manager or employee
- Log in; as a manager or employee
- Create, update or delete products
- Edit; products name, price, quantity and category
- Filter; products by name, price, quantity, category or id
- Backend: Managers can delete users but employees can't
 - o this hasn't been implemented into the front end



KATE: Here I have a snippet of code from the backend, from the jwtFunctions file specifically, where I have a function that checks if the user is logged in with an error message being returned if they are not (logged in)

we were having issues with the jwt header so we made it so it accepts either authorization bearer or jwt token



KATE: Here is an example of a conditional statement, from the ProductController. In this section of code, it is getting the ID of the product and then allowing us to update the file, with conditional statements saying if product is not found, return a error message.

If product IS found and updated, it also returns a message.

You might also notice that the vaidateUserAuth function, which i mentioned in the previous slide, is being called at the top here also, to ensure that the user is logged in before updating the product.

KATE: Database operation that create products I created product object with the following things

```
More examples of database operations:

Update product

// Update one product
async function updateOneProduct(id, updateData) {
    return result = await ProductModel.updateOne({_id: id}, updateData);
}

Delete product

// Delete one product
async function deleteOneProduct (id) {
    return result = await ProductModel.findByIdAndDelete(id);
}
```

KATE: Some more examples we have a function that updates the product and one that deletes the product.

HAYDEN:

Problems encountered:

- Price validator
 - o tried to format the Price number into a monetary value
 - o the validator I found online didn't work
 - o decided to render in the front-end instead.
- Git merges
 - had conflicts merging,
 - put restrictions in place that meant a pull-request had to be required before merging to main
- the dreaded misplaced comma
 - o forgot a comma in one of the database operations
 - o code wouldn't work until rectified
- JWT/Auth issues
 - edit & delete wouldn't work
 - o so made it so it accepted both JWT OR Authorization Bearer

KATE:

Time to check out the website!	
https://ims-hk.netlify.app/	

KATE: I'll turn it over to Hayden now and he can demo the website! HAYDEN:

