**SUNNY DAYS ICE CREAM SHOPPE**

Team 5  
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Project Description

The goal of this project is to make an app for a local ice cream store. The goal will be to let users browse the flavours and design some cones so that when they arrive at the store their orders will be prepared (but not before, we don’t want the treats to melt!).

Users will be able to log in to an account to create an order of up to 8 cones, and each cone can have a maximum of 3 scoops which can all be the same flavour or mixed to the taste of the customer. Afterwards, users can select a snowflake icon to show they liked the flavour.

The app will have all of the flavours listed with a description of them, and whether the flavour is currently active or if it’s out of season. The flavour database can only be edited by admins.

Special Features

The favourites action will be a target once the rest of the site functions properly, as is a final feature we are thinking of where an order will produce a custom QR code that can be scanned when the user arrives at the ice cream shoppe so that their ice cream can be prepared quickly and efficiently without any errors in communication.

Routes

/ (index)  
/Admin  
/Admin/flavours (CRUD to edit flavours)  
/Admin/orders (CRUD to review orders)  
/Login  
/Register  
/Order  
/Order/QR  
/Flavours [currently active flavours only] [make sure to have some inactive flavours in the DB]  
/Flavours/{flavourId}  
/Account  
/Account/{byID}

Technologies, and Libraries Used

Node.js  
React.js  
MySQL  
Express  
Cors  
Mysql2  
nodemon  
sequelize  
cequelize-cli  
axios  
react-router-dom  
formic  
yup  
bootstrap

**Database**

**Table 1 – Account Table**

accountId INT, PK, AI, Not Null  
email VC(50), Not Null, Unique  
password VC(255), Not Null  
favourites (if we get there) BOOLEAN

**Table 2 – Flavours Table**

flavourId INT, PK, AI, Not Null  
flavourName VC(50), Not Null, Unique  
flavourDescription TEXT  
flavourActive BOOLEAN  
favouritesTally \*\*\*how can we do this\*\*\*

**Table 3 – Cones**

coneId INT, PK, AI, Not Null  
orderId FK, INT -> Orders.orderId  
scoops ENUM(1, 2, 3), Not Null >How many scoops you are ordering  
scoop1 FK(flavourId), Not Null >Flavour of the first scoop  
scoop2 FK(flavourId) >Flavour of the second scoop  
scoop3 FK(flavourId) >Flavour of the third scoop

**Table 4 – Orders**

orderId INT, PK, AI, Not Null  
accountID FK, INT, Not Null  
totalPrice DECIMAL(10,2)  
orderStatus ENUM(‘creating’,’placed’,’fulfilled’)  
qrCode VC(1024) NULL

Diagram

Description automatically generated

Shape, polygon

Description automatically generated

Questions for the teacher

1. Database: Should we have cones as its own table, or should it be part of Orders.
2. How do we do favourites tally? Is this going to be significantly more difficult than it seems on its face?
3. Are our technologies sufficient or are there technologies or libraries you know of that we should look into?
4. Are there any design errors that we are making and not noticing as we move along our journey into full stack development?