API BUILD

PART 2 - Design your own API.

**This API is for Users to schedule their shopping experience at grocery stores during COVID -19.**

**This list can also be used for LCBOS and Dollaramas. But the idea behind this is for the user to book their chosen time and beat the line when going shopping at an essential business.**

**Since COVID-19 has closed most non-essential businesses, grocery stores have now been creating line ups that stretch well outside the doors and can take considerable time to get through. Some of these stores include FreshCo, Sobeys. Of course this is for the safety of users. By limiting the amount of people in the grocery store at one time, that particular store can adhere to the new social distancing regulations.**

**An application called ShoppingPro would be built that requires shopper’s login in as members. Members would have access to the list of stores applicable in their area and book their time to shop. Members would also be sent reminders before their appointments through the application.**

**Documentation**

Post = http://shoppingpro/api/customer/schedule – User can schedule a time to go to the grocery store

Patch = http://shoppingpro/api/customer/schedule/1 – User can change/ update the date and time to go shopping at the grocery store

Delete = http://shoppingpro/api/customer/schedule /1/2 – User can delete the time they chose to go shopping at the grocery store

Get = http://shoppingpro/api/customer/stores – User can get access to list of available the grocery stores with booking times in their chosen area

Put = http://shoppingpro/customer/stores/1 - User can change their grocery store

**Limitations**

**One limitation is well are grocery stores, Dollaramas and LCBOS willing to implement this booking system. The app would have to be created and news and radio stations would have to direct people to download the application in order to use it.**

**Another limitation is how the stores would make this a norm. Essentially some members would be able to beat the lineup because of pre scheduling and this could anger other shoppers in line. Security guards would have to place at entrances to ensure there are no issues and shoppers are being let in and out properly.**

**Another limitation is if users are late for their shopping appointment a time line would have to be put on how late they can be. If they’re more than 10 minutes late for their appointment they would either wait in line or reschedule.**