Final Idea

Uniform shop.

* Phone numbers.
* Bank details. (possible)
* Names of students.
* Names of parents.
* (Compress the database).
* (Encrypt the database).

Main menu and UI

Nested Structs

Compress Database

Encrypt Database

Store encrypted file

Recall file

Sort names (alphabetically)

Search for names in database file

COMPRESSION

* Customers banking details
* Video/Photos file compression
* Big old databases?????????

ENCRYPTION

* Customers banking details
* Password encryption
* Encrypting messages
* Videos/photos
* Audio encryption
* Video game with encryption puzzles

LAYERS

* (0) Check if admin or student login

ADMIN Side

* Options
  + (1) Search for students in database
    - (1.1) Print students details
      * (1.1.1) Add in students transaction
    - (1.2) Print students previous transactions
  + (2) Add a new student to database
  + (3) Print all transactions
    - (3.1) Chose between dates
      * (3.1.1) Day
      * (3.1.2) Month
      * (3.1.3) Year

STUDENT Side

* Options
  + (1) Print students current details
  + (2) Update payment details
  + (3) Print transaction history
    - (3.1) Chose between dates
      * (3.1.1) Day
      * (3.1.2) Month
      * (3.1.3) Year
  + (4) (Optional) Pre-order for pick up