CS 3100 Final Presentation

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Current Problems

- Time
 - Paper printouts
 - Manual data entry
- Federal
 - Confidentiality Issues
- Verification
 - Student Identification
 - One meal per student

- Record Keeping
 - Transactions
 - Inaccuracies

Solutions

Database

- CSV Student Info
- Load into Database

Cards

- Student Picture ID
- Swipe System for Cafeteria
- Daily Data Pulls

Advantages

- Time
 - Self-Updating Database Hours Saved!!
- Accuracy
 - No Daily Inputs less chance for errors
- Monetary Savings
- Confidentiality

Disadvantages

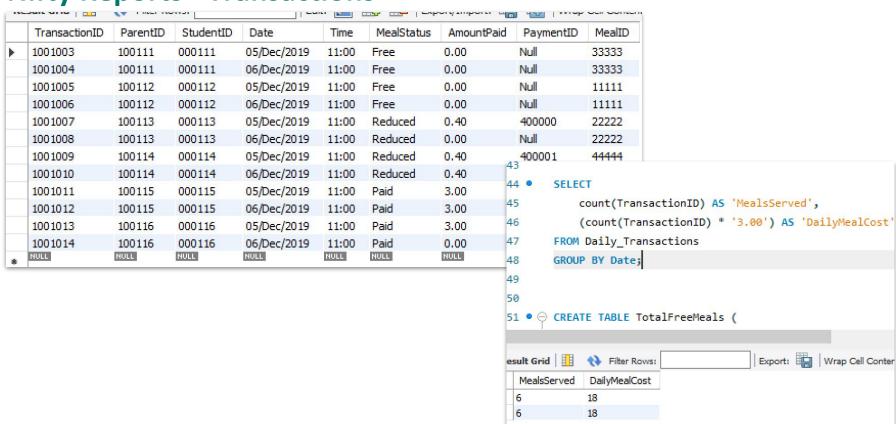
Teething

- Creating A New Database
- Create a .CSV to Upload Originally
- Server Space and Proper Licensing A Cost

Upkeep

- .CSV Updates
 - New Students & Departing Students
- Train Faculty w/ Specialist

Nifty Reports - Transactions

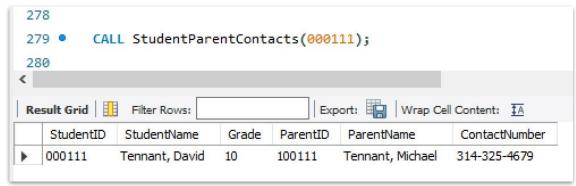


Nifty Reports - Balances

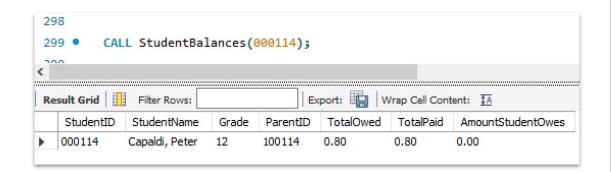
```
253 •
         SELECT
             StudentID,
254
255
             CONCAT(StudentFirstName, ', ', StudentLastName) AS 'Name',
256
             TotalCharges AS 'TotalOwed',
257
             TotalPayments AS 'TotalPaid',
258
             SUM(TotalCharges - TotalPayments) AS 'AmountStudentOwes'
259
         FROM Balances
         GROUP BY StudentID;
260
Export: Wrap Cell Content: TA
   StudentID
                                TotalOwed.
                                           TotalPaid
                                                    AmountStudentOwes
             Name
  000111
            David, Tennant
                                0.00
                                          0.00
                                                    0.00
  000112
            Matt, Smith
                                0.00
                                          0.00
                                                    0.00
  000113
            Christopher, Eccleston
                                0.80
                                          0.40
                                                    0.40
  000114
            Peter, Capaldi
                                0.80
                                                    0.00
                                          0.80
  000115
            Tom, Baker
                                6.00
                                          6.00
                                                    0.00
  000116
            Sylvester, McCoy
                                          3.00
                                                    3.00
                                6.00
```

Procedures

Student Contact Information



Student Balances



Procedures

Student Payments

