

Storage and Data Analysis

CAC220 Spring 2024

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Birmingham Southern College

TODAY'S CLASS

1. Quiz
2. Assignment
3. Project

Today's Project Work

QUIZ

ASSIGNMENT

UPDATED ASSIGNMENTS

Project:

For March 14th turn in the following for grading

1. SQL Scripts to create and populate database tables.
2. SQL Queries to perform actions for the selected Story Cards
3. Next Story Cards selected for implementation.

CONTINUED ASSIGNMENTS

Reading:

For March 19 Midtermth

Read Chapters 1–4 in our course textbook

(<https://learn.zybooks.com/zybook/BSCCAC220WingoSpring2024>)

There will be a midterm review in our March 19^b class.

Essay:

One thousand word essay about how the use of data is changing a field in which you are interested (i.e., stock market, sports, healthcare).

Topic Choice: March 14th

Due Date: April 23rd

PROJECT

Today

Continue Review of Last Weeks Assignment

Project teams should be ready to discuss the entities and attributes from the set of Story Cards you plan to implement and present Story Cards, SQL Scripts, and ER-Diagram

Gold Team

Dart/Flutter

Gia Subedi

Nicole Villavicencio-Garduño

Alejandro Hernandez

Chad Waites

Sam Taylor

Navy Team

Javascript/React

Cesar Vargas

Calab Pruett

Brody Davis

Connor Adams

Isaias Spencer

Red Team

Python/Flask(?)

Sam Hardy

William Poe

Gentry Scott

Justin Coleman

Imani Thompson

FALL AND SPRING CLASSES

Class Name	Ages	Class Days	Max #Children	Classroom	Teachers
Young Toddlers	6–12 mo	M W	6	101	same 2 Teachers for Both Classes
Young Toddlers	6–12 mo	T Th	6	101	
Older Toddlers	13–18 mo	M W	6	102	same 2 Teachers for Both Classes
Older Toddlers	13–18 mo	M Th	6	102	
Young Twos	19–23 mo	M W	8	103	same 2 Teachers for Both Classes
Young Twos	19–23 mo	T Th	8	103	
Older Twos	24–35 mo	M W	10	104	same 2 Teachers for Both Classes
Older Twos	24–35 mo	T Th	10	104	
Threes	3 yrs	M T W	11	105	1 Lead Teacher and 1 Teacher's Aid
Threes	3 yrs	M T Th	11	106	1 Lead Teacher and 1 Teacher's Aid
Threes	3 yrs	M T Th	11	107	1 Lead Teacher and 1 Teacher's Aid
Fours	4 yrs	M T W Th	12	201	1 Lead Teacher and 1 Teacher's Aid
Fours	4 yrs	M T W Th	12	202	1 Lead Teacher and 1 Teacher's Aid
Fives	5 yrs	M T W Th	15	203	1 Lead Teacher and 1 Teacher's Aid

Enties

Registration List

List of Children applying to program.

Registration Priority

1. Children in program 2. Siblings 3. Members 4. Non-Members

Class Requirements

Class Name, Ages Range, Class Days, Max #Children, Classroom, #Teacher, ...

Class Rooms

Room number, Appropriate age group, capacity, ...

Session

1. Fall 2. Spring 3. Summer

Sessions Class

Children from Registration List assigned to classes built from **Registration**

Entities Continued

Teachers

List of **Teachers**, Teaching level

Teachers Training Taken

List of Training classes, class hours

Queries

Insert Child on Registration List

(Possible candidate for GUI)

Build Classes for Section

1. Using Class Requirements, organize children from waiting list into session classes
2. Balance number of girls and boys in class
3. Assign (a few) children to teachers

Verify Immunizations

Documentation received

Teachers Training Hour Status

List of Training hours for teachers

REFERENCES

- [1] zybooks. ***CAC 220: Storage and Analysis of Data***. zyBooks, a Wiley brand, 2024.
ISBN: 9798203315762.

Material for slides uses the course textbook¹