CS FINAL PROJECT

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Nov. 8, 2014: 2:55pm-3:30pm

Begin to formulate the structure of the final project. Additions to the SubjectTutor program including class implementation to create personal student files, report their scores to a report card file, and transcribe all tests to individual files as attempted.

1. (Previously written code)

Main menu

* 1. Arithmetic
     1. Addition
     2. Subtraction
     3. Multiplication
     4. Division
  2. Perimeters
     1. Circle
     2. Triangle
     3. Square
     4. Rectangle
     5. Pentagon
     6. Hexagon
     7. Octagon
  3. Area
     1. Circle
     2. Triangle
     3. Square
     4. Rectangle
     5. Trapezoid
     6. Parallelogram
  4. Volume
     1. Sphere
     2. Cylinder
     3. Cube
     4. Regular triangular prisms
     5. Regular rectangular prisms
     6. Cones

1. (Previously written code)

Report/Retry functions and report cards

* 1. Report correct and incorrect totals, including ratio/percentage.
  2. Give option to retry problems within subjects where errors were made, allowing user to gain more practice in a difficult subject.
  3. Report new progress and repeat if necessary.

1. (New code to be written)

Implement a student identification class system so each user has their own folder with their information and test in it.

* 1. Scorecard/report card
  2. Transcript of their tests in the format “User/Subject/Function/Attempt#/Timestamp”
  3. Rewrite and create a function to create folders and files/information for each individual user as they are created by new users, and calls previous users information when entered

1. Report card services
   1. Create report card in an .html file type
   2. Show total score for everything, per master subject (Arithmetic, Area,,…), and per subsection (Area={circle, square, triangle,…})

November 20, 2014, 12:50pm-2:10pm

Used available class time to start out Student class that stores the user’s name while program is being used.

Began to format the file writing code to get transcript of each user’s exams.

Considered throwing out ASCII art, as it is wasted code.

November 23, 2014, 7:40pm-9:30pm

Recreated ASCII art to include Hannes. Rewrote loops for volume, perimeter, and area functions to not use while(true) and just use if/else.

Wrote score report function, needs work!!!

November 25, 2014, 1:30pm-2:10pm

Added date entry function to be used in file organization.

December 2, 2014 1:00pm-2:10pm

Wrote code for percentage of correct arithmetic

Still need to add Boolean true/false variables in each function to report to use in score report

December 2, 2014 7:30pm-9:00pm

Working on score report to try and output a percentage score across multiple test sections without overlapping and adding to the previous attempts

Added partially functional fout statement to begin writing the actual report cards.

Discovered error when adding Student.h to Source.cpp. 🡪 **Ask pete on thusday.**

December 4, 2014 1:30pm-2:10pm

Got the output file stream in menu exit to work to place file on desktop.

Figured out how we need to add a student object to the main right before MAIN\_MENU() to be used in all functions from then on.

MUST CREATE/MODIFY POWERPOINT FOR PRESENTATION NEXT WEEK.

December 6, 2014, 6:45pm-10:45pm

Corrected error from total percentage in each section

General code cleaning

Wrote total percentage function

Tried to include date and name into fout statement, but are unsure of initialization protocol

December 7, 2014, 12:15pm-3:15pm

Writing into file before main menu works

Wrote new report function using fout to write scores into file

Edited all problem functions

Created a real report card, still not where we want it to be easily accessible

Ran full test and found many errors in problem statements, and corrected appropriately