CS FINAL PROJECT

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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,…})