Gr 12 phase 2 requirements

* 2 relational database tables, suitable fields, data types and sizes , Large data volume
* Readable input/readable output/ layout of GUI must be excellent with communication eg Screen tips, help, feedback
* Effects/color/icons/shortcuts/tip text
* Many variable types
* Correct use of global and local variables
* Proper naming conventions
* Correct prefixes
* One or more text files
* OOP used correctly
* Two dimensional OR parallel arrays
* Arrays of objects/ overloading methods – advanced programming techniques
* Input from keyboard, text file, array or data base / correct formats used
* Validation/error catching – variety, clear error messages and exception handling
* Algorithm correctness
* Algorithm efficiency – good programming techniques used / modular design – own procedures and functions
* Dynamic components and complex code
* Output layout and readability, formatted, best output component used
* Sort records using ADOtable or ADOqry
* Search for data in a table using adotable
* Insert a new record using ADOTable
* Delete a record using ADOtable
* Query to display selected fields or all fields using ADOqry
* Complex query to select records using AND / OR / LIKE / HAVING
* TWO queries using calculations eg minimum, maximum, sum, average
* ONE Query involving two tables
* ONE dynamic query (Insert, Update or Delete) using a variable
* Comments explain all parts of the program and are clear
* Exceptional features NOT in curriculum eg connecting to a mobile device, or LAN network, animation, high level of complexity