# Criterion D:

## Functionality changes to classes:

I will add this section once I have finished the full development of my code, my apologies as I will continue to change many things and this list would not be representative of the changes that are to be made.

## Extensions:

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| **Class** | **Responsibility** | **Modification/expansion** |
| Person | Defines the attributes and methods that are common amongst teachers and student. It is given an ID and a first and last name. | A method to directly import a CSV file into the ID array list may be implemented to allow for faster importing of ID’s of individuals. This can be achieved by deserialising pre stored data into an initialised array list, which may then be read and accordingly copied into the primary array list of IDs. This would require the code to be recompiled accordingly. |
| SubjectController | The SubjectController class allows for subject names to be created and for an HL or SL Boolean to be set. | Some subjects may be SPP or not for SL/HL categories. The addition of a different Boolean for different categories, or the utilisation of an array of 3 elements, each either 0 or 1 may signify SL, HL and SPP respectively, mapping to subject types. The total sum of the elements of the array should be 2, and validation checks can be put in place to ensure this. |
| HomeworkStudentLinkedList | To define the methods for a linked list of nodes defined in the NodeHwStudent class. | The print options for printing the linked list can be made into a GUI based operation to adapt to a less tech savvy user base, likely what Mr. Baker, my client, would fall under. |
| Class | To define the attributes and methods that are to do with classes taken by the teacher object. | Additional changes may include the addition of a classroom attribute and other properties that may be found to be needed as the system is implemented and feedback is received from users. Once these changes have been made the class would need recompiling. |

Other classes are still work in progress, hence I am unable to comment on improvements to be made to them as I have yet to finish their methods.