

Feedback and insights

The process I decided to use to develop this project was to first identify which were the standard objects that were available that I can use for the project, then I proceeded to create the custom fields necessary and also, I took the decision to only use triggers for the calculation of discounts and adjustments for when the total discount exceeds the 60%. Finally, I decided to use a visualforce page with a custom controller since showing the partial payment was easier by checking the payment method chosen (either monthly or payment in full) and also based on the period (semester or quarterly).

One of the most challenging tasks to do was to make the automatic adjustments so the total discount remained to be less than 60% since I had to automatically remove selected subjects in case that caused the increment of the total discount to make it to be more than 60%. The way I solved this was by realizing I could query by creation date and that way I was able to delete the most recent selected subjects which make it possible to delete the extra subjects that generated the total discount to be more than 60%.

There is definitely room for a lot of improvement, firstly there is one class that contains a lot of code in only one function, that is definitely not ideal and it would be better to separate this code into different functions and even different classes as well, also I consider that it can be better too to create the scholarship options as a separate object, in order to store the discounts of these as a field instead of just putting the discounts in the code which makes it not scalable.