## Tests and results

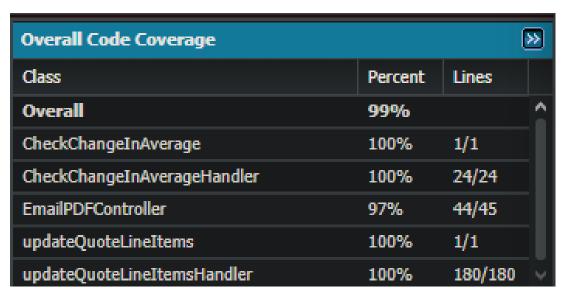
There are a total of 30 functions for validating that all the functionalities of the triggers, classes that handle the triggers and a custom controller work as expected, I am not going to going to go into full detail about what each function does, but generally the main functionalities that the testing functions verify are the following:

- 1. Discounts are applied correctly based on the amount of subjects enrolled, scholarships and payment method (if it is payment in full there is a 5% discount).
- 2. Total discount does not exceed the 60% or else it is supposed to automatically do adjustment so the discount remains below 60%.
- 3. The Visualforce custom controller works as expected when passed a valid Quote Id and it does not work when passed an invalid Quote Id.
- 4. The calculation of the Partial\_Payment\_\_c custom field is made once the "Status" field of Quote is set to "Approved".
- 5. PDF creation is successful when the Partial\_Payment\_c custom field is set a value.

## Results of every test made:



## Code coverage in all classes, triggers and Visualforce custom controller:



The reason why there is a 97% code coverage in EmailPDFController is because of this line:

```
PageReference invoicePDF = new PageReference(
Blob quoteBlob;
if (!test.isRunningTest()){
    quoteBlob = invoicePDF.getContent();
}
else {
    quoteBlob = blob.valueof('Test');
}
```

That line is not covered since it is not possible to test a PageReference.getContent() because it is considered a callout and callouts cannot be tested.