**Single Responsibility Principle:**

Tests

***Gift Cards :***

Gift Card **Test**

In Main folder:

* 1. Write every Components with srp rule.
  2. A page Object Instantiates all the required components in its page. A page object class/manager class returns only the object of the components. It does not do any other activity.
  3. Put only one Page Object and its component in a separate folder for easy access.
  4. If a component is used by many Page Objects, include it separate common folder.
  5. If any properties or methods or driver initialization or Page Factory for element initialisation is used by all components, use a common Abstract Component class and extend it.

In test folder:

* 1. Create a Test
  2. Include all the Page Objects required for the Test.
  3. Then you can implement all the methods of the components via page Object providing objects of Components.

***Note:*** **Test should speak only with page objects and PO should return only objects. And the actual implementation is to be done by the components class.**

***Factory Pattern:***

1. In Factory class, a method named ‘get’ created; the argument ‘scenario’ is gotten and the particular scenario named Component’s object is returned using ‘Lambda Function’. Or Map used.

Test

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Abstract Component

***Strategy Pattern:***

Test

ComponentInterface

Changing the behaviour of the Payment Screen PO at runtime is the main feature of Strategy Pattern by selecting the payment option in the Test class using Data Provider.