I took a functionality based approach to the input domain modelling. The checkout\_and\_payment function has 4 main branches:

* Display all products
* Check out
* Log out
* Add products to cart

The log out branch needs to be tested first since it is the exit point of the entire function. There are only two possible results: log out and not log out. The display all products branch only has one possible result of displaying all of the products. The check out branch needs to save user wallet data and therefore has some edge cases that need to be tested. The results for add products to cart branch are add items to cart and items are out of stock which can be mix and matched.