No.	Test	Input	Expected output	Actual output	Test Pass/Fail
Part A					
1	Validation	0	Message: Cost of groceries should be greater than £0	Message: Cost of groceries should be greater than £0	Pass
2	Validation	A	Message: Wrong data type	Message: Wrong data type	Pass
3	Coupon	5	Message: Less than £10 (No coupon)	Message: Less than £10 (No coupon)	Pass
4	Coupon	10	Message: Awarded a discount coupon of £0.8 (8% of purchase).	Message: Awarded a discount coupon of £0.8 (8% of purchase).	Pass
5	Coupon	70	Message: Awarded a discount coupon of £6.3 (9% of purchase).	Message: Awarded a discount coupon of £6.3 (9% of purchase).	Pass
6	Coupon	160	Message: Awarded a discount coupon of £16.0 (10% of purchase).	Message: Awarded a discount coupon of £16.0 (10% of purchase).	Pass
7	Coupon	220	Message: Awarded a discount coupon of £24.2 (11% of purchase).	Message: Awarded a discount coupon of £24.2 (11% of purchase).	Pass
8	Coupon	500	Message: Awarded a discount coupon of £33 (capped)	Message: Awarded a discount coupon of £33 (capped)	Pass
Part B					
9	Coupon	10	Awarded a discount coupon of £0.80 (8% of purchase)	Awarded a discount coupon of £0.80 (8% of purchase)	Pass
10	Coupon	14	Awarded a discount coupon of £1.12 (8% of purchase)	Awarded a discount coupon of £1.12 (8% of purchase)	Pass
11	Coupon	58	Awarded a discount coupon of £4.64 (8% of purchase)	Awarded a discount coupon of £4.64 (8% of purchase)	Pass
12	Coupon	62	Awarded a discount coupon of £5.58 (9% of purchase)	Awarded a discount coupon of £5.58 (9% of purchase)	Pass

13	Coupon	200	Awarded a discount coupon of £20 (10% of purchase)	Awarded a discount coupon of £20 (10% of purchase)	Pass
14	Coupon	8	Less than £10 - No coupon	Less than £10 - No coupon	Pass
15	Coupon	512	Awarded a discount coupon of £33 (capped)	Awarded a discount coupon of £33 (capped)	Pass
16	Results	'e' or 'E'	Total groceries: 864 Total discount: 65.14 Groceries – discount: 798.86 Histogram <£10 (0%) : * £10-£60 (8%) : *** £61-£150 (9%) : * £151-£210 (10%) : * >£211 (11%/Cap) : * 7 customers	Total groceries: 864 Total discount: 65.14 Groceries – discount: 798.86 Histogram <£10 (0%) : * £10-£60 (8%) : *** £61-£150 (9%) : * £151-£210 (10%) : * >£211 (11%/Cap) : * 7 customers	Pass

17	Part C Vertical Histogram	Inputs for tests 9-16	0% 8% 9% 10% 11%
			* * * * *
			     *
			     *
				0% 8% 9% 10% 11%
				* * * * *
				     *
				     *
					Pass

18	Part D Statistics	Inputs for tests 9-16	Minimum groceries: 8 Maximum groceries: 512 Minimum coupon: 0 Maximum coupon: 33	Minimum groceries: 8 Maximum groceries: 512 Minimum coupon: 0 Maximum coupon: 33	Pass

Part E) Alternative Staff Version					
No	Test	Expected output		Actual output	Test Pass/Fail
19	Program is run	Awarded a discount coupon of £0.80 (8% of purchase) Awarded a discount coupon of £1.12 (8% of purchase) Awarded a discount coupon of £4.64 (8% of purchase) Awarded a discount coupon of £5.58 (9% of purchase) Awarded a discount coupon of £20(10% of purchase) Less than £10 - No coupon Awarded a discount coupon of		Awarded a discount coupon of £0.80 (8% of purchase) Awarded a discount coupon of £1.12 (8% of purchase) Awarded a discount coupon of £4.64 (8% of purchase) Awarded a discount coupon of £5.58 (9% of purchase) Awarded a discount coupon of £20(10% of purchase) Less than £10 - No coupon Awarded a discount coupon of	Pass

		£33 (capped) Total groceries: 864 Total discount: 65.14 Groceries – discount: 798.86 Histogram <£10 (0%) : * £10-£60 (8%) : *** £61-£150 (9%) : * £151-£210 (10%) : * >£211 (11%/Cap) : * 7 customers	£33 (capped) Total groceries: 864 Total discount: 65.14 Groceries – discount: 798.86 Histogram <£10 (0%) : * £10-£60 (8%) : *** £61-£150 (9%) : * £151-£210 (10%) : * >£211 (11%/Cap) : * 7 customers	