

Part 1: Test cases

Following these rules test cases are prepared:

- **FreeRule for all products:**
 - The "buy 1 get 1 free" rule applies to all products if the `product_code` is '*' or matches the specific product code.
- **ReducedPriceRule for products:**
 - If you buy 4 or more, the price per product will be reduced.

Product Name	Price	Reduced Price (if quantity >= 4)
Green Tea (GR1)	£3.11	£2.00
Strawberries (SR1)	£5.00	£4.00
Coffee (CF1)	£11.23	£10.00

- **FractionPriceRule for products:**
 - This rule applies if you buy more than 3, pay 70% of the **original** price.

Note:

- **ReducedPriceRule** and **FractionPriceRule** both are applicable, then rule with higher discount will be applied.

For Example:

If 5 Strawberries are added to the cart, it is eligible for all the special rules.

FreeRule is always applied, when eligible.










However when **ReducedPriceRule** and **FractionPriceRule** is eligible at the same time

Cashier will calculate both the discount rules and applies the higher discount to the Total amount.

i.e

Strawberries (SR1) (Quantity is 5)	£5.00 * 5	= £25.00
Discount with ReducedPrice and FreeRule	£4.00*3	= £12.00
Discount with FractionPrice and FreeRule	£5.00*3*0.7	= £10.05
So Total should Display Amount with more discount	Total	= £10.05

ID	Test Case Name	Pre-Conditions	Test Steps	Input Data	Expected Results	Actual Results	Execution Status	Notes
Test Cases focused on loading the files in Cashier (related to installation)								
	Happy Path: Verify files can be loaded with	1. Add files from Input Data at this path "priv/assets/" 2. Check in configuration of Cashier that default	1. Open Cashier 2. Load files and verify its loaded as expected	products.yml rules.yml ts.yml	products.yml and rules.yml files are loaded in Cashier		Pass / Fail	

	default path location.	location of files is priv/assets/products.yml and priv/assets/rules.yml		rule s.yml I	system without any error.			
	Happy Path: with custom path Verify can be loaded from custom location.	1. Add files from Input Data at this custom path "cashier/rules/" 2. Edit in configuration of Cashier location of file as cashier/rules/products.yml and cashier/rules/rules.yml	1. Open Cashier 2. Load files and verify its loaded as expected	 pr oduc ts.yml I  rul es.y ml	products.yml and rules.yml files are loaded in Cashier system without any error.		Pas s / Fail	
	Verify error is shown when One file missing.	1. Add only rules.yml file from Input Data at this custom path "cashier/rules/" and leave products.yml at default file location 2. Check in configuration of Cashier that default location of files is priv/assets/products.yml and priv/assets/rules.yml	1. Open Cashier 2. Load files and verify its loaded as expected	 pr oduc ts.yml I  rule s.yml I	Cashier displays error "Rules or Products file is missing or Incorrect path"		Pas s / Fail	
	Verify error is shown when file is at Incorrect path.	1. Add files from Input Data at this custom path "cashier/rules/" 2. Edit in configuration of Cashier, location of file as "cashier/"	1. Open Cashier 2. Load files and verify its loaded as expected	 pr oduc ts.yml I  rule s.yml I	Cashier displays error "Rules or Products file is missing or Incorrect path".		Pas s / Fail	
	Verify error is shown when Invalid Path is set in Cashier.		1. Open Cashier 2. Edit in configuration of Cashier location of file as cashier//products.yml and cashier/rules/rules.yml		Cashier do not allow to save the configuration and displays error "Invalid or Non-existing path".		Pas s / Fail	
	Verify error is shown when Corrupt file is added.	1. Add files from Input Data at this path "priv/assets/" 2. Check in configuration of Cashier that default location of files is priv/assets/products.yml and priv/assets/rules_corrupt.yml	1. Open Cashier 2. Load files and verify its loaded as expected	 pr oduc ts.yml I  r ules. yml	Cashier displays an error "Unable to load rules_corrupt.yml file"		Pas s / Fail	
	Verify error is shown when Not	1. Add files from Input Data at this path "priv/assets/"	1. Open Cashier 2. Load files and verify its loaded as expected	 pr oduc ts.json	Cashier displays an error with warning "Unable		Pas	

	acceptable file format is added.	2. Check in configuration of Cashier that default location of files is priv/assets/products.json and priv/assets/rules.yml		n % rules.yml	to load products.json file. Please load files with acceptable extension like .yml"		s / Fail	
Both files % products.yml and % rules.yml are at default location and loaded correctly in cashier for following test cases. Next tests focus more on Cashier functionality Note: verify corresponding expected result at each test step								
	Test Case Name	Pre-Conditions	Test Steps	Input Data	Expected Results	Actual Results	Execution Status	Notes
	Verifying FreeRule is not applied based on quantity of different products.	<ul style="list-style-type: none">Files are loaded correctly.Cashier is open and ready to use.	<ol style="list-style-type: none">Add one Green Tea (GR1)Add one Strawberries (SR1)Add one Coffee (CF1)		<ol style="list-style-type: none">Total Displays: £3.11Total Displays: £8.11Total Displays: £19.34 <p>No discount rules applied.</p>		Pass / Fail	
	Verifying Free Rule applies correctly with different scenarios in each step.	<ul style="list-style-type: none">Files are loaded correctly.Cashier is open and ready to use.	<ol style="list-style-type: none">Add one product of Green Tea (GR1)Add one more Green Tea (GR1)Add even number of Green Tea (GR1) products (e.g. if 10 Green Tea were added)Add odd number of Green Tea products (GR1) (e.g. if 11 Green Tea products (GR1) were added)		<ol style="list-style-type: none">Total Displays: £3.11Total Displays: £3.11 (FreeRule applied on Green Tea (GR1))Total Displays: £10.00 (FreeRule applied so quantity = 5 ReducedPriceRule discount = £2.00 * 5 = £10.00 And FractionPriceRule discount = £3.11 * 5 * 0.7 = £10.88)		Pass / Fail	
	Verifying ReducedPriceRule and FractionPriceRule with different	<ul style="list-style-type: none">Files are loaded correctly.Cashier is open and ready to use.	<ol style="list-style-type: none">Add 3 packets of Strawberries (SR1)Add 2 more packets of Strawberries (SR1)Add 1 Coffee (CF1)		<ol style="list-style-type: none">Cashier displays Total amount: £7.00. (FreeRule applied on			

	<p>scenarios with combination of FreeRule (Combination tests check how multiple rules interact when applied together.)</p>		<p>4. Add 1 more Coffee (CF1) 5. Add 1 more Strawberries (SR1) 6. Add 1 more Coffee (CF1)</p>	<p>Strawberries + FractionRule) 2. Cashier displays Total amount: £10.05. (FractionRule and FreeRule applied on Strawberries making quantity = 3) 3. Cashier displays Total amount: £21.27. 4. Cashier displays Total amount: £21.27 (FreeRule applied on coffee) 5. Cashier displays Total amount: £21.27 (FreeRule applied on Strawberries) 6. Cashier displays Total amount: £25.77 . (FractionPrice Rule for Coffee).</p>			
<p>Verify discounts is applied or removed correctly</p>	<ul style="list-style-type: none"> Files are loaded correctly. Cashier is open and ready to use. <p>Note: This test is in combination of previous test case</p>		<p>1. As per above test case Cashier has 6 Strawberries and 3 Coffees (CF1) added. 2. Remove 3 Strawberries (SR1) 3. Remove 1 Coffee (CF1)</p>	<p>1. Amount displayed is £25.77. 2. Amount displayed is £22.72. (FreeRule & FractionRule adjusted as per quantity) 3. Amount displayed is £18.23. (FractionRule</p>			

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