Case Study 1

Step 2 – Organise and describe the problem

Input types:

* Menu
* Add item to list
* Check to see if the item is in the list already
* Does a discount apply
* Payment method

Outputs

* Add item to the list
* If item exists in list, increase count by 1
* If paying cash, output required change if any
* Print a receipt showing subtotal, tax (10%), items (and quantity)

Sample values and operational constraints

* If menu item active, show on menu
  + Will out-of-stock items be greyed out, or invisible?
* Is there a maximum number of items that can be added?
* Will more categories be required in future?
* Are there different menus depending on time of day?
* If the printer is out of paper and doesn’t alert the POS system, can the receipt be re-printed after paper is replaced?