As an additional requirement says us that each item has to include an order description for example ‘Make the dish mild’. At first, we would be able to redesign our menu interface as follows:

Option 3: Adding an Item to the order

------------------------------------------------------

Hotel Booking System - Add an Item to the Order

------------------------------------------------------

1: Curry Chicken on Rice 11.5

2: Mushroom and Vegetables on Rice 12.5

3: Healthy Milk 2.5

------------------------------------------------------

Enter your choice of item to add (1-3): 1

Any specification do you want to make it?(y/n): y

1. Make the dish mild
2. Make the dish soft
3. Make the dish normal
4. Make the dish spicy
5. Make the dish extra spicy

Enter your choice of description you want(1-5):1

Note: It is assumed that every item has different descriptions for example the item number 3 may have ‘Make the drink warm’ ,‘Make the drink cold’, etc.

Do you want to add more item(y/n)?:y

Contd as before

Now it is clear that our Item class would be redesigned as:

Item

-id: String

-name: String

-price : double

-category: Category

-description: String

The description will contain all possible specifications in one line string separating each specification with pipe (l)for example, ItemList.txt file looks like

MC01

Curry Chicken on Rice

11.50

MAIN\_COURSE

Make the dish mild l Make the dish soft l Make the dish normal l Make the dish spicy l

.

When the order is created by adding items along with specification the option 5 (Displaying the order) should look like:

------------------------------------------------------

Hotel Booking System - Display the Current Order

------------------------------------------------------

Room Number: 111

Food items ordered:

Curry Chicken on Rice (Make the dish spicy) $11.5

Healthy Milk (Make the drink warm) $2.5

Total: $14.0

Similarly the option 6 (Finalizing the order) looks like

------------------------------------------------------

Hotel Booking System – Finalize the Order

------------------------------------------------------

Room Number: 111

Food items ordered:

Curry Chicken on Rice (Make the dish spicy) $11.5

Healthy Milk (Make the drink warm) $2.5

Total: $14.0

Do you want to continue? (y/n): y

The order has been saved.

When the order has been saved the contents of the order file should include following changes(highlighted with green color):

14/09/2013 11:59

Room Number: 111

Food items ordered:

Curry Chicken on Rice (Make the dish spicy) $11.5

Mushroom and Vegetables on Rice (Make the drink warm) $12.5

Total: $24.0

This is the way we can implement the changed requirements easily with slide redesign of the class ‘Item’.