

# Food Court Transaction

## Test Report

Version<1.0>

<02/04/2018>



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## Version History

Version #	Implemented By	Revision Date	Brief Description
1.0	Akshay Malav & Lovish Singla	02/04/2018	It's a Food court transaction system
2.0	Ashutosh Kumar Jatav & Chetan Prakash Meena	09/04/2018	Cross-Testing
3.0	Akshay Malav & Lovish Singla	11/04/2018	Issues regarding cross testing are resolved and further enhancements

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# 1.0 INTRODUCTION

## 1.1 PURPOSE

The purpose of making this test report is to find/spot/discover defects which have occurred during the development phase of the software. It helps us to find the defects before the product is delivered, so as to make sure that only quality and error free product is delivered to the customers. The test report also makes sure that the software delivers the stated functionality and services as mentioned in the software requirement specification (SRS).

## 2.0 TEST PLAN

There are various types of test plan but here we are doing testing level specific test plans and under this also we are following **unit test plan** and **system test plan**.

# 3.0 DETAILS OF UNIT TESTING

## 3.1 Push\_back\_stock\_data

### 3.1.1 Push\_back\_stock\_data

#### 3.1.2 FEATURES TO BE TESTED

➤When the manager chooses to update the stock this module is called and updates the database according to the values updated.

#### 3.1.3 ITEM PASS/FAIL CRITERIA

➤The database is updated with correct values as entered by the manager.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.1.1	String,1,2,3	Database should be updated	Database is updated	Pass	Verified

## 3.2 Show stock

### 3.2.1 Show stock

### 3.2.2 FEATURES TO BE TESTED

- This module shows the stock .This module shows invokes only when called by the manager.
- Whether the shown stock is correct or not .

### 3.2.3 ITEM PASS/FAIL CRITERIA

- This module can be invoked only after being logged in as manager .
- The shown stock is as per the food items in the database.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.2.1	No input	Should Print entire stock	Printed entire stock	Pass	Verified

### 3.3 Update stock

#### 3.3.1 Update stock

#### 3.3.2 FEATURES TO BE TESTED

In updating the stock there are two options whether to add the food item or delete the food item.

- Whether the item being added by the manager previously present in the stock or not.
- Whether the cost entered by the manager is lesser than the selling price of the food item or not.
- Whether the quantity entered by the manager is greater than 0 or not.
- For deleting the food item does the id entered by the manager exists or not.

#### 3.3.3 ITEM PASS/FAIL CRITERIA

- The module checks the database so that only unique food names exists in the stock.
- The entered cost is checked with the selling price and required step is taken according to the criteria.
- In this the just checks the entered quantity is greater than 0.
- The module checks with the menu list whether the id entered exists or not.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.3.1	Y   burger   0   20   20   15	Item should be added to the database	Item is added to the database	Pass	Verified
3.3.2	N   3	Item should be deleted from the database	Item is deleted from the database	Pass	
3.3.3	3   ...	Should Take the input again	Takes the input again	Pass	
	Y   90   str   str   str   str	Should Take the input again	Takes the input again	Pass	
	N   str	Should Take the input again	Takes the input again	Pass	
	N   19	Item should be deleted from the database	Item is deleted from the database	Pass	



### 3.4 Take order

#### 3.4.1 Take order

#### 3.4.2 FEATURES TO BE TESTED

Here the receptionist can take order either by using name or food item id.

- If the receptionist enter wrong name then some close options are shown to choose from.
- Whether the food item id entered by the receptionist is valid or not.
- If the receptionist wants to delete some food item as requested by the customer from the order basket than the item is deleted from the cart.
- The order is placed and corresponding updates are done.

#### 3.4.3 ITEM PASS/FAIL CRITERIA

- If the receptionist enters the wrong name then a popular algorithm known as Longest common subsequence(LCS) is used which makes sure that only correct choice is shown.
- The entered is checked with the menu list which checks that the id exists thus ensuring correctness.
- The id to be deleted is deleted from the cart. So that only ordered food items checks out.
- After the order is placed the stock is updated ,so that if another order comes the quantity of the food item can be checked and the sale is also updated and some amount is added to the receptionist salary.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.4.1	N   12	Item should be added to order basket & ask for the next item	Item is added to order basket & ask for the next item	Pass	Verified
3.4.2	3   ..	Should Take the input again	Takes the input again	Pass	
	N   str	Should Take the input again	Takes the input again	Pass	
	N   -1	Should Call confirm_order	Calls confirm_order	Pass	
3.4.3	Y   pizza	Item should be added to order basket & ask for the next item	Item is added to order basket & ask for the next item	Pass	
3.4.4	Y   piza   o(id of the item in int)	Item should be added to order basket & ask for the next item	Item is added to order basket & ask for the next item	Pass	
3.4.4	Y   piza   str	Should Take the input again	Takes the input again	Pass	
3.4.5	Y   pizza   -1	Should Call confirm_order	Calls confirm_order	Pass	
3.4.5	Y   piza   o   -1	Should Call confirm_order	Calls confirm_order	Pass	

### 3.5 Name comparison

#### 3.5.1 Name comparison

#### 3.5.2 FEATURES TO BE TESTED

- The two strings which are passed as parameters are compared to get the longest common subsequence and top 3 matches are shown to the receptionist .

#### 3.5.3 ITEM PASS/FAIL CRITERIA

- Here we have used a famous algorithm LCS which ensure that only the those top 3 strings are shown which have closest match.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.5.1	str	Should ask for input again	Asks to input again	Pass	Verified
3.5.2	1	Should Call confirm order	Calls confirm order	Pass	

### 3.6 Confirm order

#### 3.6.1 Confirm order

#### 3.6.2 FEATURES TO BE TESTED

- Only the food item id entered by the receptionist is deleted.

#### 3.6.3 ITEM PASS/FAIL CRITERIA

- The id's are deleted from the cart itself so that only selected food items make a way through.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.6.1	Y	Order is confirmed and Bill is shown	Order is confirmed and Bill is shown	Pass	Verified
3.6.2	N   3   2	Should Delete the items with id 2 and 3 form the order basket	Deletes the items with id 2 and 3 form the order basket	Pass	
	N   3   2   -1	After deleting, should confirm order	After deleting confirms order	Pass	
3.6.3	N   str	Should Take the input again	Takes the input again	Pass	
3.6.4	str	Should Take the input again	Takes the input again	Pass	

### 3.7 View Salary

#### 3.7.1 View\_salary

#### 3.7.2 FEATURES TO BE TESTED

- The shown salary is of the receptionist is correct.

#### 3.7.3 ITEM PASS/FAIL CRITERIA

- The salary is shown after the receptionist logs in ,so that the total income corresponding to the receptionist is shown.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.7.1	1400	1400	1400	Pass	Verified

### 3.8 Add Salary

#### 3.8.1 Add salary

#### 3.8.2 FEATURES TO BE TESTED

- The amount to be added to the receptionist total income is correctly added.

#### 3.8.3 ITEM PASS/FAIL CRITERIA

- The amount that the receptionist earns after taking a order is directly added to the database ,so that correct value is fetched every time.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.8.1	1400	Should add the amount to total salary of receptionist	Adds the amount to total salary of the receptionist	Pass	Verified



### 3.9 Show menu

#### 3.9.1 Show menu

#### 3.9.2 FEATURES TO BE TESTED

- The menu which is to be shown should contain the existing food items .

#### 3.9.3 ITEM PASS/FAIL CRITERIA

- The menu is fetched directly form the database ,which ensures the correctness of the menu shown.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.9.1	NIL	Should Print the entire menu	Prints the entire menu	Pass	Verified

### 3.10 Setter

#### 3.10.1 Setter

#### 3.10.2 FEATURES TO BE TESTED

- This module is called whenever the stock is updated by the manager and the food item list is updated.

#### 3.10.3 ITEM PASS/FAIL CRITERIA

- If correct values are passed through the module then the list is updated correctly.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.10.1	Pizza , 1/0 , 10	Should add these to menu name, type and price list	Adds these to menu name, type and price list	Pass	Verified
3.10.2	Pizza , str , 10	Should Take the input again	Takes the input again	Pass	
3.10.3	Pizza , 4 , 10	Should Take the input again	Takes the input again	Pass	
3.10.4	Pizza , 1 , str	Should Take the input again	Takes the input again	Pass	



### 3.11 Add receptionist

#### 3.11.1 Add receptionist

#### 3.11.2 FEATURES TO BE TESTED

- Whether the name, password(both of them which can be changed by the receptionist ) by the manager is in the correct format or not.
- Whether the username entered(it can't be changed) by the manager previously exists or not.

#### 3.11.3 ITEM PASS/FAIL CRITERIA

- The module makes sure that the name and password entered are in correct form thus passing if it is and showing error if it isn't thus passing.
- Here the module checks the entered username should not be existing previously thus passing if it is not present and if it is then asks to re-enter.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.11.1	"NAME" , username , pass	Receptionist should be added	Receptionist is added	Pass	Verified
3.11.2	Name , username , pass	Should Take the input again	Takes the input again	Pass	
3.11.3	"NAME" , username (already existing) , pass	Should Take the input again	Takes the input again	Pass	
3.11.4	"NAME" , username, pass word (password containing blank space)	Should Take the input again	Takes the input again	Pass	



### 3.12 Show receptionist

#### 3.12.1 Show receptionist

#### 3.12.2 FEATURES TO BE TESTED

- The module should show the receptionist list who all are currently working in the food court.

#### 3.12.3 ITEM PASS/FAIL CRITERIA

- The list is directly fetched from the database which ensures the correctness of the list fetched.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.12.1	NIL	Should Show the list containing all the receptionists	Shows the list containing all the receptionists	Pass	Verified

### 3.13 Remove receptionist

#### 3.13.1 Remove receptionist

#### 3.13.2 FEATURES TO BE TESTED

- Whether the username entered by the manager exists or not .

#### 3.13.3 ITEM PASS/FAIL CRITERIA

- When the manager enters the username ,it is checked with the database that whether the username is present or not thus ensuring that only correct receptionist gets removed.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.13.1	str	Should Remove the user if it exists else do nothing	Removes the user if it exists else do nothing	Pass	Verified
3.13.2	123	Should Remove the user if it exists else do nothing	Removes the user if it exists else do nothing	Pass	

### 3.14 Change details

#### 3.14.1 Change details

#### 3.14.2 FEATURES TO BE TESTED

- The name entered by the employee (Both receptionist and manager ) is contains only capital characters.
- The password entered by the employee should not contain the spaces.

#### 3.14.3 ITEM PASS/FAIL CRITERIA

- The module makes sure that the entered name is in capital letters and if entered anything else ,it will not fail rather ask again.
- The password entered is checked by the module and if entered in wrong format then will ask to re-enter.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.14.1	Str   ...	Should Take the input again	Takes the input again	Pass	Verified
3.14.2	1   name	Should Take the input again	Takes the input again	Pass	
3.14.3	1   NAME	Name has been changed	Name has been changed	Pass	
3.14.4	2   pass	Password changed	Password changed	Pass	
3.14.5	2   123	Password Changed	Password changed	Pass	
3.14.6	2   123 45	Should Take the input again	Takes the input again	Pass	

### 3.15 Show bill

#### 3.15.1 Show bill

#### 3.15.2 FEATURES TO BE TESTED

- The bill is printed according to the food items purchased by the customer.

#### 3.15.3 ITEM PASS/FAIL CRITERIA

- The bill is shown by using the items which are present in the cart after getting confirmed by the customer so that only final selected food items are included in the bill.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.15.1	No input	Should print the bill	Prints the bill	Pass	Verified

### 3.16 Show profit

#### 3.16.1 Show profit

#### 3.16.2 FEATURES TO BE TESTED

- This module shows the net profit which is earned by the food court till date .

#### 3.16.3 ITEM PASS/FAIL CRITERIA

- The profit is showed by calculating the difference between the selling price and cost present in the report so that correct profit is calculated.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.16.1	NIL	Should print the net profit earned	Prints the net profit earned	Pass	Verified

### 3.17 Add cost

#### 3.17.1 Add cost

#### 3.17.2 FEATURES TO BE TESTED

- Whenever the manager adds new food item to the stock the new cost corresponding to the item added is also added.

#### 3.17.3 ITEM PASS/FAIL CRITERIA

- If the cost entered by the manager valid then the cost is added to the database .So that after closing the software the data doesn't lost.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.17.1	10	Should Update the database	Updates the database	Pass	Verified

### 3.18 Show report

#### 3.18.1 Show report

#### 3.18.2 FEATURES TO BE TESTED

- Only manager should be shown the report of the sale.
- The report for the sale which is printed by the module is correct.

#### 3.18.3 ITEM PASS/FAIL CRITERIA

- The report is shown only if the credentials entered matches with the one of manager.
- The report is updated every time a sale is made in the report database which ensures that the report contains correct value.

Test Number	Input/Local Variable	Expected Output	Actual output	Pass/Fail	Verify
3.18.1	NIL	Should print the report of that month	Prints the report of that month	Pass	Verified



## 4.0 System Testing

Step	Test Step	Intended Result	Actual Result	Pass/Fail	Verify
1	Login as manager -> Add receptionist by entering valid details -> Receptionist is added	New receptionist should be added	New receptionist is added	Pass	Verified
2	Login as manager -> Remove receptionist -> Enter the username -> Receptionist Removed	Receptionist should be removed	Receptionist is removed	Pass	
3	Login as manager -> Update Stock -> Enter whether you want to add or delete -> Enter corresponding details -> Stock updates	Adds or deletes items as per the input	Adds or deletes items as per the input	Pass	
4	Login as manager -> Show receptionist list	Should Show the current receptionist	Shows the current receptionist	Pass	

5	Login as manager -> view report	Should show the monthly report	Shows the monthly report	Pass	
6	Login as Receptionist -> Take order -> Enter id or name -> Enter id (Will move to confirm order) / Enter name and then choose id from the list shown -> Confirm order -> Choose ids to delete -> Order taken	Should Take the order as per id or the name and print the bill	Takes the order as per id or the name and bill is printed	Pass	
7	Login as Receptionist / Login as Manager -> View Menu	Should show the menu	Shows the menu	Pass	
8	Login as Receptionist -> View Salary	Should show the salary of the receptionist	Shows the salary of the receptionist	Pass	
9	Login as Receptionist / Login as Manager -> Change details -> Enter name/password that is to be changed -> Details changed	Should Open the window in which we can change name or the password	Opens the window in which we can change name or password.	Pass	
10	Login as Manager -> View Stock	Should show the current items in the stock	Shows the current items in the stock	Pass	

11	Login as Manager -> View Profit	Should show the net profit earned	Shows the profit earned till now	Pass	

## 5.0 UNRESOLVED TEST INSTANCES

Test Case ID	Summary of Defect	Why not resolved
3.3	While updating stock, Data store incorrectly for 'Price' and 'Quantity' for Big Integers.	Now we have resolved this issue.