# **COM1028 Software Engineering**

# Testing Report Part 2 Nithesh Koneswaran 6474079, nk00374@surrey.ac.uk

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#### 1. Introduction

This is the requirement testing document for my 'Online Market' project. I will only be testing the mandatory features as it would be most important features of my project to be completed.

### 2. Requirements Testing

I will be testing the mandatory features of my functional requirements. I will also be testing the security requirement in the non-functional requirements section where the password should be hashed before being stored in the database.

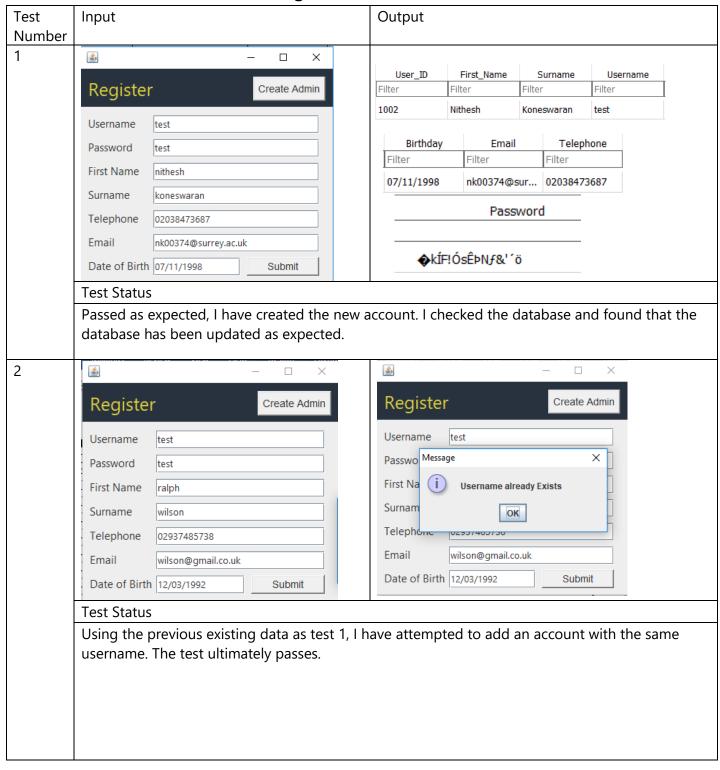
## 2.1. Requirements Test Plan

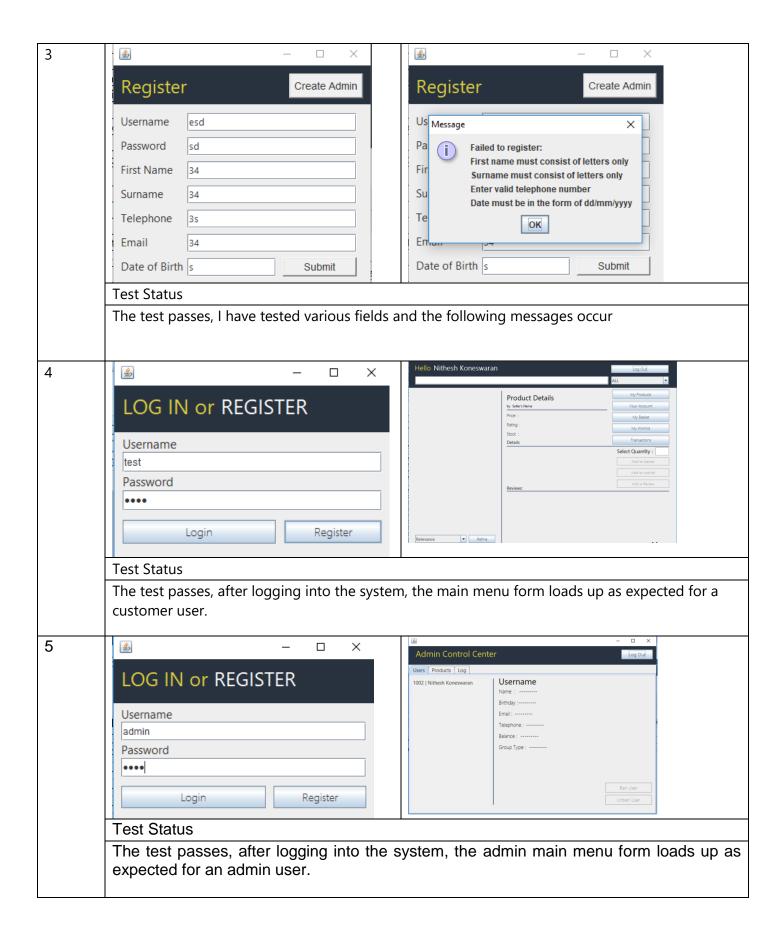
Test	Req	Preconditions/	Expected Inputs	Expected Results	Test Evaluation	
	No	Dependencies/ Plan				
The Login System						
1	1.7	None	All valid inputs that match the attributes of the data table when inserting data.	New row inserted in the User and Customer table.	Passes, the new data has been successfully inserted into the table.	
2	1.5	Create an Initial customer. Create another customer with the same username.	Set the username with an existing one in the database	An error message should appear	Passes, error message popped up.	
3	1.4	None	Insert values that will fail the validation when inserting a new user	An error message should appear with the list of validation failures	Passes, error message popped up.	
4	1.1	Predefined Customer required	Input the predefined customer login details and login	The login should be successful and proceed to the main page	Passes, the login was successful, and it proceeds to the main page	
5	1.1	Predefined Admin required	Input the predefined admin login details and login	The login should be successful and proceed to the admin main page	Passes, the login was successful, and it proceeds to the admin main page	
User Access Level						

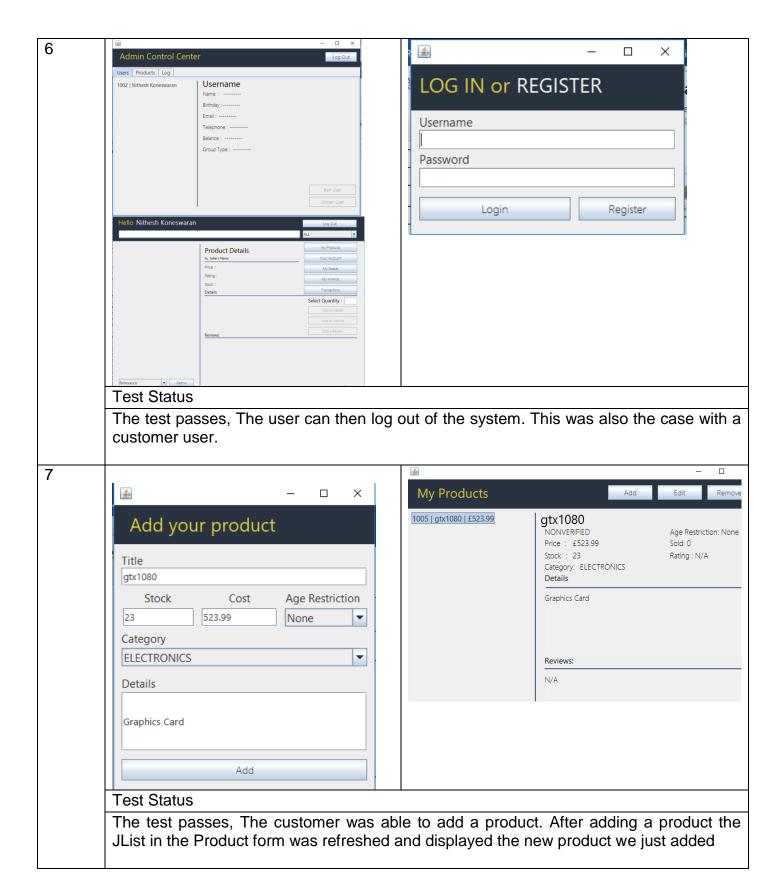
6	2.6	Predefined Customer required and already logged into the system.	Press the log out button.	The login form should appear	Passes, the login form appears as expected
7	2.8	Predefined Customer required.	User can add a new Product	The list of registered products should be updated with the new product	Passes, the list is updated as expected
8	2.8	Predefined Customer required.	User can remove a product that they had registered	The list of registered products should be updated	Failed, the list did not update
9	2.8	Predefined Customer required.	User can edit a product that they had registered	The Product table in the database should be updated with the edited changes	Passes, the database is updated as expected
10	2.7	Predefined Customer required Predefined set of registered products required	User presses 'Your Product' button, which loads the product form	The form containing JList should load the list of products that the customer had registered	Passes, the JList displays the list of products as expected
11	2.9	Predefined Customer required	User presses 'Your account' button, which loads the account form	The form should display the user's details	Passes, the details of the user is displayed through JLabels
12	2.11	Predefined Customer Required Predefined set of products required Products need to be verified	Users press the 'Wishlist' button which proceeds to a new form	The new form containing a textArea will load the user's wishlist	Passes as expected
13	2.12	Predefined Customer Required Predefined set of products required Products need to be verified	User presses 'Add To WishList'	The database should update the Customer_Wishlist table	Passes as expected
14	2.12	Predefined Customer Required Predefined set of products required Products need to be verified	User presses 'remove from WishList'	The database should update the Customer_Wishlist table	Passes as expected
15	2.14	Predefined Customer Required Predefined set of products required Products need to be verified	Users press the 'Basket' button which proceeds to a new form	The new form containing a JList will load the products the user has added to the basket	Passes as expected
16	2.15	Predefined Customer Required Predefined set of products required	Select Product, Select quantity, and press "Add to basket"	The database should update the Customer_Basket table	Passes as expected

		Products need to be			
		verified			
17	2.15	Predefined Customer Required Predefined set of products in user's basket required	Select product in basket, and press remove from basket	The database should update the Customer_Basket table	Passes as expected
18	2.17	Predefined Customer required Predefined Transactions required	Select 'Transactions' button which proceeds to a new form	The form containing a textArea will load the list of transactions	Passes as expected
Adm	in Acc	ess Level			
19	3.1	Predefined List of Customers Predefined Admin	Log in with admin details	Admin main form should appear displaying a list of customers	Passes as expected
20	3.2	Predefined List of Customers Predefined Admin	Select a customer and press the ban button	The Customer should not be able to log in. Database should be updated.	Passed, the database is updated and the customer cannot log in
21	3.3	Predefined Customer Predefined List of products Predefined Admin	Select a Product and press the delete button	The Product should be removed from the database.	Passes as expected
22	3.4	Predefined Customer Predefined List of unverified products Predefined Admin	Select a Product and press the Verify button	The Product should be Verified now and should appear in the main list for customers	Passes as expected, database is updated with the changes.
23	3.4	Predefined Customer Predefined List of unverified products Predefined Admin	Select a Product and press the Un-verify button	The Product should be unverified now and should not appear in the main list for customers	Passes as expected, database is updated with the changes.
24	3.5	Predefined Actions, such as banning a customer, verifying an object etc. Predefined Admin	Selected Log Tab	The Log pane will have a textArea that'll display the list of actions	Passed as expected
	1	onal requirements	T	1 .	T .
25	3.1.3	None	Attempt to register account	The password should be hashed	Passed as expected

## 2.2. Evidence of the Testing







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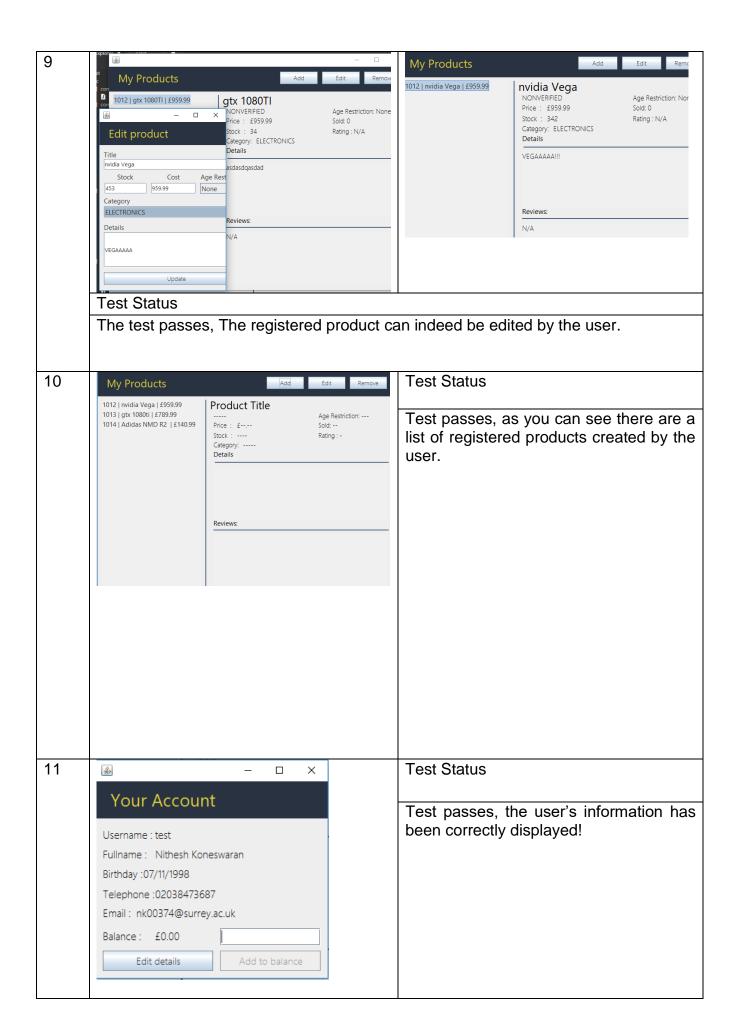
# My Products

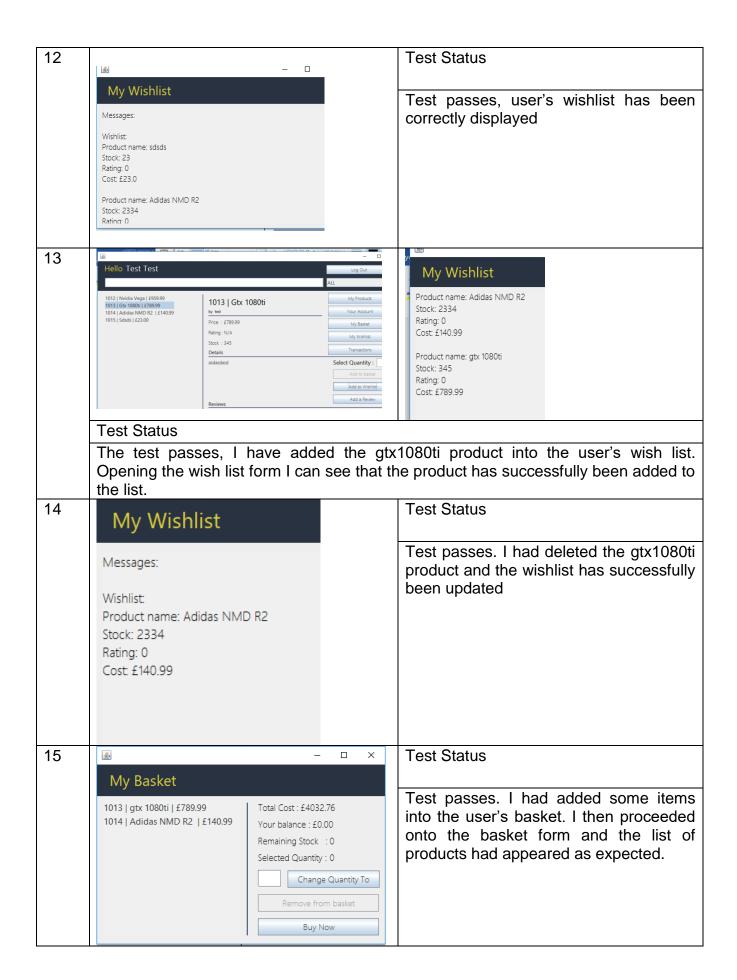
1005 | gtx1080 | £523.99

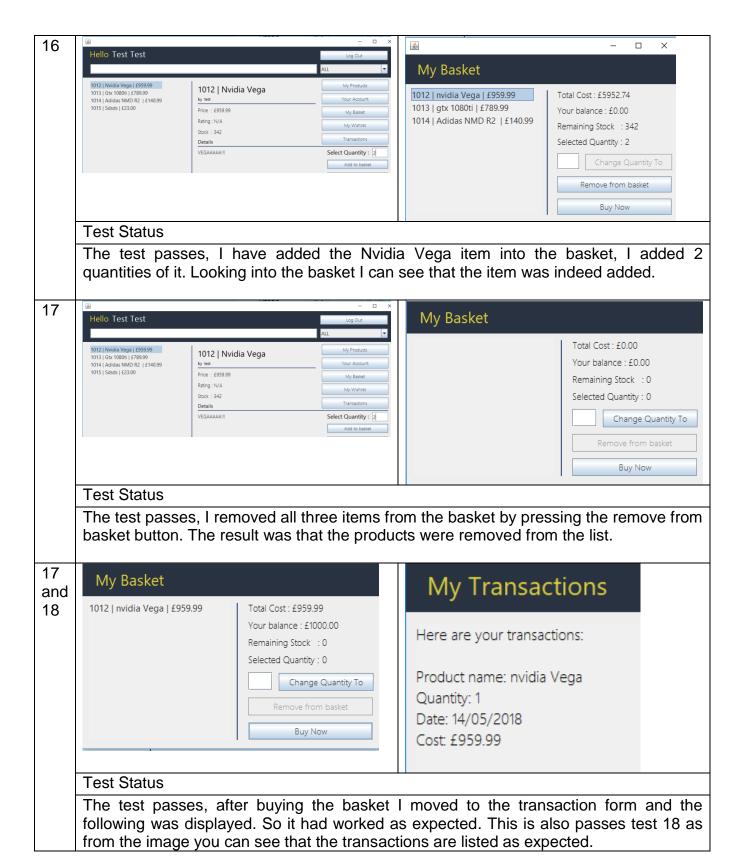
#### **Test Status**

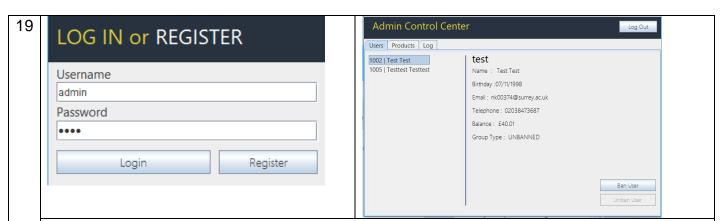
The test failed. The list should have refreshed after being deleted but does not do so. This does not work because of the following code:

It gets called after the remove has been done. However, nothing happens if the list is empty, therefore in order to fix this I change the code to the following:



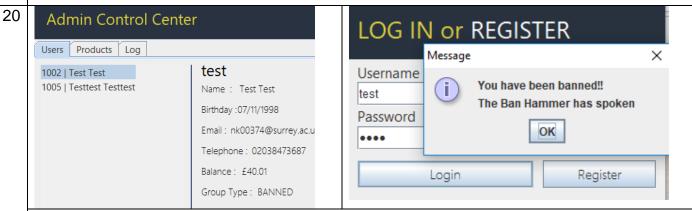






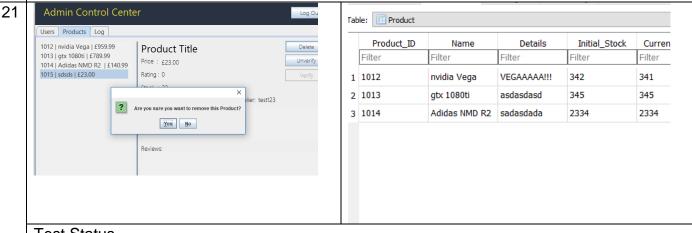
#### **Test Status**

The test passes, I had logged in with an admin user and the Admin control center form popped up after logging in.



#### **Test Status**

The test passes, On the left image I logged into an admin account and pressed the ban button. On the right I tried logging in with the banned account and found the user does not have access to the software.



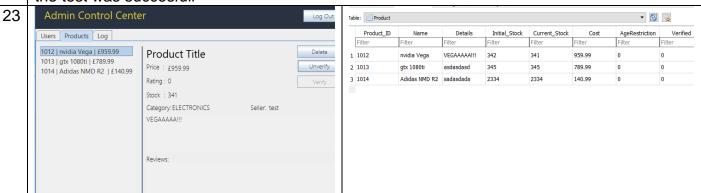
#### **Test Status**

The test passes, On the left image I logged into an admin account and deleted a product. Looking at the right the product does not exist in the database anymore so the delete was successful.



#### **Test Status**

The test passes, On the left image I logged into an admin account and verified a product, on the right you can see that the 1 under verified indicated that the product is verified. Therefore the test was succesfull



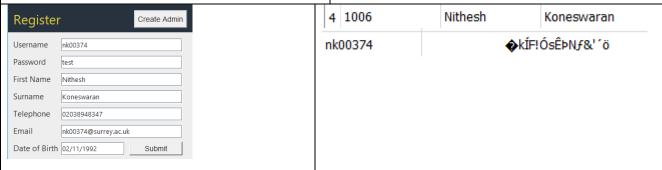
#### Test Status

The test passes, On the left image I logged into an admin account and unverified a product, on the right you can see that the 0 under verified indicated that the product is not verified. Therefore, the test was successful.



#### Test Status

Test passes. After all the series of tests from before the actions made by the admin should be logged. The logged data has been displayed on the left. This works as intended.



#### **Test Status**

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The test passes, I had registered a new account. Looking into the database I can see that the password has been encrypted as expected.