**FINAL EXAM PRACTICE PART**

**Test approach/plan**

**Test Charter**: Analyze the basic functionality of the storeSystem.exe app using testing knowledge collected through TUTA according to 3 user stories.

**Purpose**: to evaluate main functionality of the app according to consumer’s requirements and find possible errors/defects of:

1. Login area
2. Oder completion area
3. Adding new item area

**Setup**: Skype conference call for representing the product, Snipping Tool App, computer - HP 250 G7 - i5-8265U, 8GB, 256GB NVMe SSD, 15.6 FHD AG and mouse Jelly Comb

**Priority**: **High** as it should be done 2 hours and it is an exam.

**Reference**: TUTAFinalExam

**Data**: Login information, items’ information from database, my and my colleague’s imagination.

**Main activities planned**:

1. Log in into the system
2. Complete order
3. Add new item

**Planned time** – 2 hours.

**Defects** **classification** by priority to resolve them – high, medium and low.

1. ***User story: login***

*AS a sales agent*

*I WANT to be able to sign in into the store system*

*SO THAT I can complete orders*

*Acceptance criteria for login:*

* *If username and password is incorrect, I should not be allowed to login but I should see an error message*
* *If user details are correct I can login into the system and I am redirected to the main page.*

Test cases for this part:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Number** | **Test Scenario** | **Test Case** | **Pre Conditions** | **Test Steps** | **Test Data** | **Expected Result** | **Actual Result** | **Pass/Fail** |
| **1** | Check Login functionality | 1A - Check response on entering valid name and password | Download app | 1. Open app  2. Enter valid name and valid password 3. Sign in. | Name: Test Password: Slaptazodis | Login must be successful, you can get into main page. | Login successful, user enters main page. | Pass |
|  | Check Login functionality | 1B - Check response on entering invalid name and valid password | Download app | 1. Open app  2. Enter invalid name and valid password 3. Sign in. | Name: Test1 Password: Slaptazodis | Login must be unsuccessful, main page cannot be reached. | Login unsuccessful, main page unreachable. | Pass |
|  | Check Login functionality | 1C - Check response on entering valid name and invalid password | Download app | 1. Open app  2. Enter valid name and invalid password 3. Sign in. | Name: Test Password: 11111111 | Login must be unsuccessful, main page cannot be reached. | Login unsuccessful, main page unreachable. | Pass |
|  | Check Login functionality | 1D - Check response on entering null value and null | Download app | 1. Open app  2. Enter valid name and invalid password 3. Sign in. | Name: empty Password: empty | Login must be unsuccessful, main page cannot be reached. | Login unsuccessful, main page unreachable. | Pass |

**4 test cases, all passed. No bugs found.**

1. ***User story: order completion***

*AS a sales agent*

*I WANT to be able to complete an order*

*SO THAT I can get it delivered to the customer*

*Acceptance criteria for order completion:*

* *I should be able to select category of item and items in that category.*
* *Selected items should be added to the basket.*
* *Items can be removed from the basket during order process.*
* *After I have added all items into the basket, I should be able to continue with the order.*
* *Before completing the order, I should see total price of all the items in the basket.*
* *I should have the possibility to decline or accept orders.*

**In order to test that, we’ve went through all the steps for a few times in order area:**

1. Selected category (also tried to select from a few).
2. Selected various items.
3. Removed them from the cart.
4. a) cancelled order

b) continued with the order

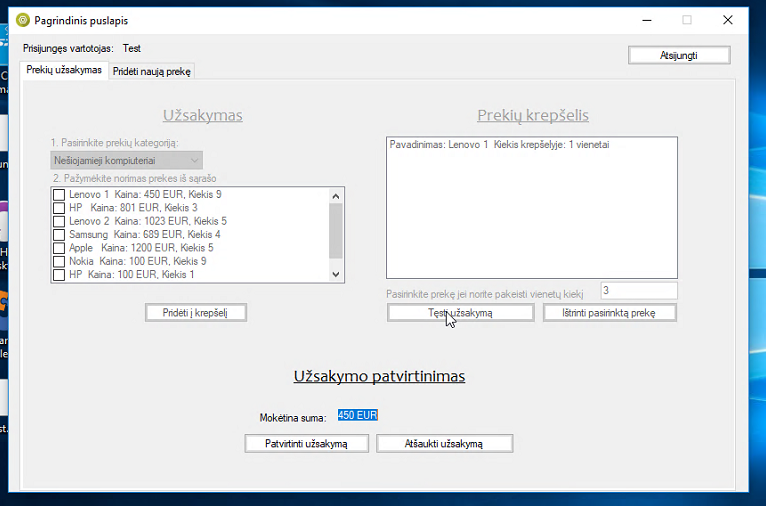
1. Total price is shown before confirming the order.
2. There is a possibility to decline or confirm the order when the price is shown and both functionalities are working.

**3 test cases – all passed.**

To test functionality more – we’ve tried to change number of items using the field below the cart (**1 additional test case - failed**). And…

Bug – you can add item into the cart and add more units of the same item by clicking on it but you cannot amend the number of items in the field below the chart. System selects the one in the box and does not take the number from the field even if you select the concrete item. It does not refresh.

Although error is not critical as there is mentioned workaround – you can add the number of items manually.



1. ***User story: add new item***

*AS a sales agent*

*I WANT to be able to add new items to database*

*SO THAT I can sell them to customers*

*Acceptance criteria for adding new items:*

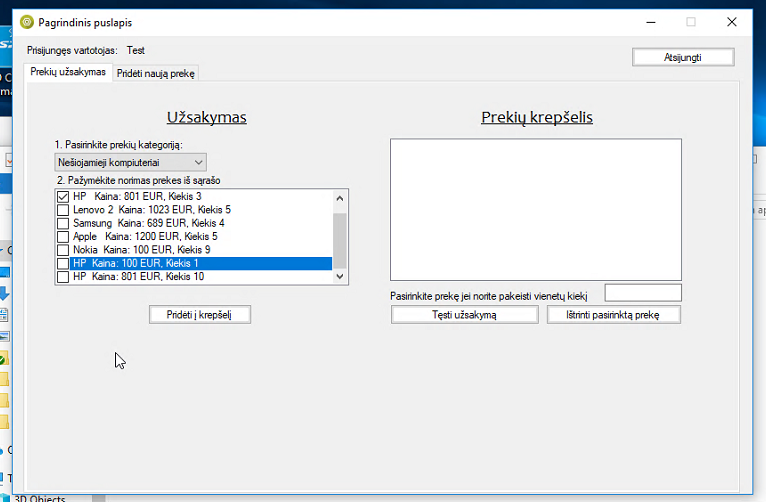
* *To add an item, I should be able to select a category from the category list.*
* *Item name, count of how many of these items are available and price per unit should be added. If one of these elements is not added I should not be able to save the item.*
* *Once an item is added I should be able to select it from the item list and sell it to the customer.*

**In order to test that, we’ve went through all the steps for a few times in ‘Add new item’ area:**

1. Select ‘Add new item’.
2. You can select category (you can select from all of the existing but you cannot add a new one).
3. You can add the name, amount and price (you cannot complete the input if one of these fields are empty – as per requirement. Notification pops up).
4. You can save the new item and you get the confirmation message.
5. You can add the newly created item into the cart and order it.

**3 test cases – passed.**

Bug – you can add the items with already existing names and prices. In my opinion, it is confusing but product owner advised that this is acceptable by consumer.



**Conclusion:**

1. Log in – working as expected (4 of 4 cases passed, no bugs found)
2. Complete order – partially working as expected (3 of 4 cases passed, 1 case failed, 1 bug found - workaround exists)
3. Add new item – working as expected - (3 of 3 cases passed, no bugs found)

**11 test cases executed, 1 of them failed, 1 bug found.**

**All in all, in such a short period, we’ve managed to cover up all user stories and check the main functionalities of the product as requested. The bug we’ve found is not critical as there is a workaround.**