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| Fontys Hogescholen |
| Test plan KILR TECH |
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Test plan purpose and overview

This is the test plan for CBO3 group “KILR TECH”. The purpose of this document is to test our program and see what we can fix or improve. This test will provide us with crucial information about where we need to go back and improve our code, so that the client can receive a polished, working version of our product. We are providing you with our test cases and want you to test as many functionalities as possible and try to “break” our app. We have also provided you with an “actual results” and “pass/fail” columns, where we want you to let us know if the actual results match the expected result and subsequently if the action has passed or failed.

Test Cases (in no particular order)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| *ID* | *UC* | *Name* | *Pre-condition* | *Test Data* | *Expected Result* | *Actual Results* | *Pass/Fail* |
|  |  |  |  |  |  |  |  |
| TC-01 | UC-01 | Show Department Information Button | You must wright the department id in the textbox above “show department information” button | Department name = Food, Department ID = 1 | Display a new form with information about the selected department |  |  |
| TC-02 |  | Create Department Button | The program must have a connection with the database | Type anything in the textboxes which appear | Create a new department in the database and list in the main form listbox |  |  |
| TC-03 |  | Go Back Button | The create department form needs to be opened | No test data needed | The “Create Department” form should close and show the main form with the listbox |  |  |
| TC-04 |  | Remove Department Button | Need to select a department from the listbox, must have clicked “Department Information” | Same test data as the “Department Information Button” (depending on which department the user has clicked) | Delete the department from the database and main form listbox |  |  |
| TC-05 |  | Edit Department Button | Need to have a department selected from main form and opened in the “Department Information” form | Test data provided by what the client has selected from the main form listbox | Open a new form that allows the user to edit the selected department |  |  |
| TC-06 |  | Confirm Button inside “Edit Department” form | Need to fill the textboxes with data in order to confirm | No test data provided, the user needs to write the name, staff number and manager id | Update the current department’s details and display them in main form listbox |  |  |
| TC-06 |  | Go Back Button | The update department form needs to be opened | No test data needed | The “Update Department” form should close and show the main form with the listbox |  |  |
| TC-07 |  | Add Valid Stock Information  Groupbox(Add button) | The texboxes in the groupbox must be filled correctly | Name: Popcorn  Quantity: 60  Selling Price: 1.30  Buying Price: 1 | Stock should be created and displayed in the listbox |  |  |
| TC-08 |  | Add Invalid Stock Information  (Add button) | The textboxes  In the groupbox must be filled incorrectly | Start the name with a small letter, use letters where numbers are needed and numbers where letters are needed. | A Messagebox should be displayed, with some information about the exception |  |  |
| TC-09 |  | Filter By Product Activity Groupbox  (Filter button) | One of the radio buttons must be checked. | No test data needed. | The listbox should display only active or inactive employees. |  |  |
| TC-10 |  | Refresh button – STOCK TAB | None. | No test data needed. | It should refresh the information regarding all stock entries. |  |  |
| TC-11 |  | Stock Information Button  (Manipulate Stock Groupbox) | Stock ID Textbox must be filled with an existing user ID. | Stock ID: 1  Return: Coke | A new form should appear with all the details of the selected stock. And the main form should disappear. |  |  |
| TC-12 |  | Stock Information Button  (Manipulate Stock Groupbox) | Stock ID Textbox must be filled with an id that doesn’t exist, or random text. | Pass text, empty space, incorrect id | An exception message should appear detailing what went wrong. |  |  |
| TC-13 |  | Decrease button(  Manipulate Stock Groupbox) | Stock ID textbox Must be filled correctly  Quantity textbox must be filled correctly | Stock ID: 1  Quantity: 20 | Subtract 20 to the quantity of stock of the “Coke” product. |  |  |
| TC-14 |  | Decrease button(  Manipulate Stock Groupbox) | Stock ID textbox Must be filled incorrectly  Quantity textbox must be filled incorrectly | Pass letters, negative numbers, zero, empty space | Message box with an error message indicating the error should pop up. |  |  |
| TC-15 |  | Increase button(  Manipulate  Stock  Groupbox) | Stock ID textbox Must be filled correctly  Quantity textbox must be filled correctly | Stock ID: 1  Quantity: 20 | Add 20 to the quantity of stock of the “Coke” product. |  |  |
| TC-16 |  | Increase button(  Manipulate  Stock  Groupbox) | Stock ID textbox Must be filled incorrectly  Quantity textbox must be filled incorrectly | Pass letters, negative numbers, zero, empty space | Message box with an error message indicating the error should pop up. |  |  |
| TC-17 |  | Update Stock Details Button(  StockDetails  Form) | None. | None. | A new window should open while Stock Details form closes. |  |  |
| TC-18 |  | Go Back Button(  StockDetails  Form) | None. | None. | The main form should pop up again while the Stock Details  (current)  Closes. |  |  |
| TC-19 |  | Update Button(  Update  Stock  Details  Form) | Textbox Name must be filled correctly,  Buying price textbox must be filled correctly  Selling price textbox must be filled correctly  Quantity must be filled correctly | Name : Hotdog  Buying price: 2.13  Selling price: 3.20  Quantity: 40 | Stock details should be updated, a message box should pop up, confirming that the stock edit was successful. |  |  |
| TC-20 |  | Update Button(  Update  Stock  Details  Form) | Textbox Name must be filled incorrectly,  Buying price textbox must be filled incorrectly  Selling price textbox must be filled incorrectly  Quantity must be filled incorrectly | Pass numbers where text is needed pass text where numbers are needed pass very large numbers, pass empty space,  Pass the name of the product with a small letter. | A message box should pop up indicating the exception that was created. |  |  |
| TC-21 |  | Go Back Button(  Update  Stock  Details  Form) | None. | None. | The Stock Details form should pop up containing the updated information, Update forms should close. |  |  |
| TC-22 |  | Adding an employee | Filled out information | First Name: John  Last Name: Doe  Department: Example Department  Position: Employee  HourlyWage: 10 €  Address: Johannes van der Waalsweg 56  Email: [johndoe@gmail.com](mailto:johndoe@gmail.com)  Shift: Day | The new employee is added to the system. |  |  |
| TC-23 |  | The new employee is added to the system. | Provided employee id | EmployeeId: 7 | A new window opens with the employee’s information. |  |  |
| TC-24 |  | Filtering for position | Selected position | Position: Manager | A list of all the people with the specified position. |  |  |
| TC-25 |  | Going back | N/A | N/A | Returns to the main form. |  |  |
| TC-26 |  | Removing an employee | N/A | N/A | Deletes the employee from the system based on the provided employee id. |  |  |
| TC-27 |  | Update Details | N/A | N/A | A new form opens where you can change the employee’s details. |  |  |
| TC-28 |  | Remove Employees from this department button(in Edit Department section) | Select employee from the “all other employees listbox” | ID: 17 Name: Slavi Trifonov | Adds employee to current department. |  |  |
| TC-29 |  | Add employees to this department button(in Edit Department section) | Select employee from the “department employees” listbox | ID: 17 Name: Slavi Trifonov | Removes employee from current department. |  |  |