**Test Plan for Team 3**

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# Add Product

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Added | User successfully adds a product to the system. |
| Alt: No suppliers | User attempts to add a product that is not attached to a supplier |
| Alt: No product category | User attempts to add a product that is not attached to a product category. |
| Alt: Invalid product information | User enters illegal characters that are not supported by the system. |
| Alt: Duplicate product IDs | User attempts to create a product with a product id that already exists in the system. |
| Alt: Actor does not confirm |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Add | Requirement | All fields in the product add form are correctly inputted and validated. | Product information is stored in the database. |
| WA2 | No suppliers | Error | All fields in the product add form are inputted, excluding a supplier | Actor will invoke the Add Supplier use case |
| WA3 | No product category | Error | All fields in the product add form are inputted, excluding a product category | Actor will invoke the Add Category use case |
| WA4 | Invalid product information | Simple validation | Fields in the product add form are inputted with illegal characters that are not supported by the system. | System will provide the specific error message and will not allow to submit the form until it is clear of error messages |
| WA5 | Duplicate product IDs | Error | A new product add attempt is made with an existing product id. | System will go back to the form, repopulate the fields and give the error massage that the product already exists |
| WA6 | Actor does not confirm | Requirement | The cancel option is selected while in the confirmation message popup. | System displays the form and repopulates the fields |

# View Product

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Viewed | User successfully views a product in the system. |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful View | Requirement | A product is selected | System displays product information |

# Edit Product

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Edited | User successfully edits a details of an already exiting product. |
| Alt: Invalid product information | User enters illegal characters that are not supported by the system. |
| Alt: Duplicate product information | User attempts to edit a product with a product information that already exists in the system. |
| Alt: Actor does not confirm |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Edit | Requirement | All fields in the product edit form are correctly inputted and validated. | Existing product information is edited in the database. |
| WA2 | Invalid product information | Simple Validation | Fields in the product edit form are inputted with illegal characters that are not supported by the system. | System will provide the specific error message and will not allow to submit the form until it is clear of error messages |
| WA3 | Duplicate product information | Simple Validation | A product edit attempt is made with similar product information from a different existing product that is stored in the database. | System will display the warning message that fields have not been edited |
| WA4 | Actor does not confirm | Requirement | The cancel option is selected while in the confirmation message popup. | System displays the form and repopulates the fields |

# Delete Product

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Deleted | User successfully deletes a product from the system. |
| Alt: Actor does not confirm |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Deletion | Requirement | Actor confirms the deletion of the existing item | Product is deleted from the database. |
| WA2 | Actor does not confirm | Requirement | The cancel option is selected while in the confirmation message popup. | System displays the delete product page |

# Search Product

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successful Search | Searched product is displayed |
| Alt: Search cannot find any results | User enters parameters that don’t match with any of the products in the database |
| Alt: Search contains illegal characters | User enters illegal characters that are not supported by the system. |
| Alt: Actor does not confirm search |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Search | Requirement | The search is correctly inputted and validated. | System will display the searched product |
| WA2 | Search cannot find any results | Simple Validation | A search parameter is inputted, does not match any of the products stored in the database | System notifies user that parameters could not be found |
| WA3 | Search contains illegal characters | Simple Validation | Fields in the search form are inputted with illegal characters that are not supported by the system. | System notifies user and does not search parameters |
| WA4 | Actor does not confirm | Requirement | The search option isn’t selected | System does not search parameters |

# Add Category

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Added | User successfully adds a category to the system. |
| Alt: Invalid category information | User enters illegal characters that are not supported by the system. |
| Alt: Actor does not confirm |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Add | Requirement | All fields in the category add form are correctly inputted and validated. | Category information is stored in the database. |
| WA2 | Invalid category information | Simple validation | Fields in the category add form are inputted with illegal characters that are not supported by the system. | System will provide the specific error message and will not allow to submit the form until it is clear of error messages |
| WA3 | Actor does not confirm | Requirement | The cancel option is selected while in the confirmation message popup. | System displays the form and repopulates the fields |

# View Category

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Viewed | User successfully views category details. |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful View | Requirement | A category is selected | System displays category details |

# Edit Category

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Edited | User successfully edits details of an existing category. |
| Alt: Invalid category information | User enters illegal characters that are not supported by the system. |
| Alt: Duplicate category information | User attempts to edit a category with category information that already exists in the system. |
| Alt: Actor does not confirm |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Edit | Requirement | All fields in the category edit form are correctly inputted and validated. | Existing category information is edited in the database. |
| WA2 | Invalid category information | Simple Validation | Fields in the category edit form are inputted with illegal characters that are not supported by the system. | System will provide the specific error message and will not allow to submit the form until it is clear of error messages |
| WA3 | Duplicate category information | Simple Validation | A category edit attempt is made with similar product information from a different existing product that is stored in the database. | System will display the warning message that fields have not been edited |
| WA4 | Actor does not confirm | Requirement | The cancel option is selected while in the confirmation message popup. | System displays the form and repopulates the fields |

# Delete Category

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successfully Deleted | User successfully deletes a category from the system. |
| Alt: Actor does not confirm |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Deletion | Requirement | Actor confirms the deletion of the existing item | Category is deleted from the database. |
| WA2 | Actor does not confirm | Requirement | The cancel option is selected while in the confirmation message popup. | System displays the delete category page |

# Search Category

1. Scenario Table

|  |  |
| --- | --- |
| **Scenario Name** | **Scenario Description** |
| Main: Successful Search | Searched category is displayed |
| Alt: Search cannot find any results | User enters parameters that don’t match with any of the categories in the database |
| Alt: Search contains illegal characters | User enters illegal characters that are not supported by the system. |
| Alt: Actor does not confirm search |  |
| Alt: Actor selects to exit |  |

1. Test Cases

| **Test Case Code** | **Scenario** | **Category** | **Data values (conditions) being tested** | **Expected Result** |
| --- | --- | --- | --- | --- |
| WA1 | Successful Search | Requirement | The search is correctly inputted and validated. | System will display the searched product |
| WA2 | Search cannot find any results | Simple Validation | A search parameter is inputted, does not match any of the categories stored in the database | System notifies user that parameters could not be found |
| WA3 | Search contains illegal characters | Simple Validation | Fields in the search form are inputted with illegal characters that are not supported by the system. | System notifies user and does not search parameters |
| WA4 | Actor does not confirm | Requirement | The search option isn’t selected | System does not search parameters |