The test plan of

Synthesis assignment

Created by Radu Andrei Popescu

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1.Product Test Cases

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **UC** | **Name** | **Pre-Condition** | **Test Data** | **What can go wrong** | **Expected**  **Result** | **Actual Result** |
| TC-01-A | UC-03  A | Create  A new Product | User must be logged in as a  Product Manager | Chicken fillet  2.99  Per 100g  Meat  Chicken  https://img.nl | 1. User skipped some details. 2. User entered invalid data. 3. The same product is already in the system. 4. Problems with uploading data to the database. 5. Problems withshowing   data from the database. | Product is added to the system | N/A\* |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| TC-01-B | UC-03  B | Update product  information | Employee must be logged in and be a Product manager | Chicken fillet selected  Carrot  0.89 bunch  Fruits and vegetables  Vegetables  https://png.nl | 1. User entered invalid data. 2. Problems with updating data in the database. 3. Problems withshowing   data from the database. | Product details are updated in the system | N/A\* |
| TC-01-C | UC-03 | View products | Employee must be logged in as Product manager | You should see the list of products  which have to be  uploaded from the database. | 1. Problems with showing  data from the database. | Employee  sees all the information  about a product | N/A\* |

2.User Test Cases

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **UC** | **Name** | **Pre-Conditio n** | **Test Data** | **What can go wrong** | **Expected**  **Result** | **Actual Result** |
| TC-02-A | UC-01 | Login | User is logged out | Email:  [johndoe@mail.com](mailto:johndoe@mail.com)  Password: pass | 1.Cisco might not be connected 2. Information might not be correct | User is logged in. | N/A\* |
| TC-02-B | UC-04A | Sign in | User is logged out | Name: test  Email: [test@mail.com](mailto:test@mail.com)  Password: 1234 | 1.Not all fields might be filled in.  2.Fields might be filled in incorrectly  3. Cisco might not be connected | User added to the database | N/A\* |
| TC-02-C | UC-04B | Update employee information | HR User  is logged in | Username:  johndoe@mail.com  Password: pass | 1.Cisco might not be connected 2. Fields might be filled in incorrectly. | User’s information will be updated in the database. | N/A\* |

3.Category Test Case

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **ID** | **UC** | **Name** | **Pre-Conditio n** | **Test Data** | **What can go wrong** | **Expected**  **Result** | **Actual Result** |
| TC-03-A | UC-05A | Create Category | Prduct Manager is logged in | Meat | 1.Cisco might not be connected  2.Information might not be correct | Category is added in database | N/A\* |
| TC-03-B | UC-05B | SubCategory | Product Manager is logged in | Pork | 1.Cisco might not be connected  2.Information might not be correct | Subcategory added to the database | N/A\* |
| TC-03-C | UC-05C | Update category or subcategory | Product Manager  is logged in  A category or subcategory is selected | House Item | 1.Cisco might not be connected  2. Updated name already exists | Category or Subcategory is updated in the database along with the products that are from the respective  Sub/Category | N/A\* |