**USE CASE USER LOGIN**

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| **Use Case name** | USER LOGIN |
| **Range** | TECHSTORE\_APP |
| **Level** | Hypofunction |
| **Primary Operator** | The employee |
| **Secondary operator** | The product manager |
| **Inderested parts** | User certification is required to log in to the application |
| **Preconditions** | - |
| **Guarantees of Success (post-conditions)** | The user has the ability to use the application |
| **Main Success Scenario** | 1. The screen shows the fields that the user must fill in correctly 2. The system confirms the user data [alternative flow 1-data cannot be confirmed] 3. The user is authorized and can use the application |
| **Extensions** | * 1. the data cannot be confirmed   2. Connection failure message is displayed on the screen   3. The user is asked to re-enter his data |
| **Special requirements** | Have the ability to remind the password if it has been forgotten by the user |
| **List of technology and data variants** | Along with the username and password to be registered and the email of all authorized users |
| **Frequency of occurrence** | The connection to the system is a necessary condition and is always and obligatorily requested at the start of the application. |
| **Notes** | Ability to reconnect in case the application remains inactive for a long time |

**USE CASE CHECK AVAILABILITY**

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| **Use Case name** | CHECH AVAILABILITY |
| **Range** | TECHSTORE\_APP |
| **Level** | Product availability check |
| **Primary Operator** | The employee |
| **Secondary operator** | The product manager |
| **Support operator** | The database |
| **Inderested parts** | The database updates the application if the product is in the store or warehouse |
| **Preconditions** | The employee has selected a product from the product list |
| **Guarantees of Success (post-conditions)** | The database has updated the application if this product is available |
| **Main Success Scenario** | 1. The employee selects a product 2. The database checks if this product exists 3. The application is informed that the product is in the store [alternative flow 1-the product is not in the store] |
| **Extensions** | * 1. the product is not in the store      1. The application is informed that the product is in stock [alternative flow 2 -the product is not in stock]   2. the product is not even in stock   1. the application is informed that the product is not available  2. The order list is updated |
| **Special requirements** | Connect to the database quickly so that availability responses do not delay application |
| **List of technology and data variants** | There should be two different tables in the database, one with the products that are in the store and are immediately available, and one with the products that are in the central warehouse of the company and are sold upon order. |
| **Frequency of occurrence** | This use case will be used at least once in each use, ie each time the user selects a specific model, and is a prerequisite to continue the sales process. |
| **Notes** | The number of pieces of products available could also be mentioned |

**USE CASE SHOW STATISTICS**

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| **Use Case name** | SHOW STATISTICS |
| **Range** | TECHSTORE\_APP |
| **Level** | Storage of sales statistics |
| **Primary Operator** | The product manager |
| **Support operator** | The employee |
| **Inderested parts** | For each sale, the necessary statistics are kept for further processing |
| **Preconditions** | The employee has made a sale |
| **Guarantees of Success (post-conditions)** | The statistics of the specific sale were recorded |
| **Main Success Scenario** | 1. The product is registered in the sales list 2. The sales data are recorded in the statistics 3. The boss selects the statistics on the screen 4. Display statistics for a specific date 5. Print statistics |
| **Extensions** | - |
| **Special requirements** | In the recording of the statistics there will be the employee who made the sale |
| **List of technology and data variants** | Ability to print statistics and save at the end of the day in a separate table in the database |
| **Frequency of occurrence** | This use case will be used at least once a day, each time a sale is made Frequency is proportional to sales |
| **Notes** | Statistics could also be kept on product searches |

**USE CASE CREATE ORDERLIST**

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| **Use Case name** | CREATE ORDERLIST |
| **Range** | TECHSTORE\_APP |
| **Level** | Create an order list |
| **Primary Operator** | The product manager |
| **Secondary operator** | The employee |
| **Support operator** | The database |
| **Inderested parts** | A list of orders is created and updated to replenish the store stock, which is managed by the manager |
| **Preconditions** | The availability of a selected product has been checked and found to be in short supply |
| **Guarantees of Success (post-conditions)** | The order list has been updated |
| **Main Success Scenario** | 1. The employee selects the product 2. A query is made to the database 3. The database informs that the product is not available 4. The product is added to the order list [alternate flow 1- the product is already in the list] |
| **Extensions** | 4.1 The product is not added to the list |
| **Special requirements** | The corresponding date is saved with the product in the list |
| **List of technology and data variants** | The list will be categorized according to the products and will be updated daily |
| **Frequency of occurrence** | This use case will be used when there are shortages, and the supervisor will be updated from the list once at the end of each day |
| **Notes** | The application operator could also access the list |

**USE CASE UPDATE DATABASE**

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| **Use Case name** | UPDATE DATABASE |
| **Range** | TECHSTORE\_APP |
| **Level** | Database update |
| **Primary Operator** | The employee |
| **Secondary operator** | The product manager |
| **Support operator** | The database |
| **Inderested parts** | The database is informed by the employee if a product has been added to the store reserve or if the product has been removed |
| **Preconditions** | The employee has logged in as an authorized user |
| **Guarantees of Success (post-conditions)** | The database has been updated |
| **Main Success Scenario** | 1. The employee registers the product 2. The employee adds the product to the database 3. The database is updated accordingly |
| **Extensions** | - |
| **Special requirements** | The connection to the database must be fast, so that updates do not delay the application |
| **List of technology and data variants** | There should be two different tables in the database, one with the products that are in the store and are immediately available, and one with the products that are in the central warehouse of the company and are sold upon order. |
| **Frequency of occurrence** | This use case will be used at least once a day, every time a sale is made and in cases where there is a receipt of new material. The frequency is exclusively proportional to the sales |
| **Notes** | There could be another authorized user (product manager) who would be able to confirm and approve the database update |

**USE CASE CHOOSE PRODUCT**

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| **Use Case name** | CHOOSE PRODUCT |
| **Range** | TECHSTORE\_APP |
| **Level** | Product selection |
| **Primary Operator** | The product manager |
| **Inderested parts** | The employee wants to be informed about the types of specific product available in the store and to choose the model that wish |
| **Preconditions** | The employee has already selected the product category for which he is interested |
| **Guarantees of Success (post-conditions)** | The selected product and the features that it has are displayed on the screen |
| **Main Success Scenario** | 1. The employee selects the product model and he / she wants to display on the screen 2. The model features are displayed on the screen 3. Inform the employee about the availability of the model [alternative flow 1-the product is not available in the store] [alternative flow 2-the product is not available in the warehouse] 4. Show list of suggested models in the same category 5. Steps 2 to 4 are repeated until selected the suggested model |
| **Extensions** | * 1. the product is not available in the store      1. The employee checks if the product is available in the warehouse [alternative flow 2-the product is not available in the warehouse]      2. The employee orders the product from the warehouse   2. The product is not available in stock      1. The employee informs the customer that the product is no longer available from the store      2. The employee adds the product to the order list |
| **Special requirements** | Ability to inform the employee if the specific model can be delivered on request and the charge in cost and time for the customer (link to use case **CHECK AVAILABILITY**) |
| **List of technology and data variants** | It will be possible to print the offer and the characteristics for the model that the employee wants |
| **Frequency of occurrence** | This PC is essential for the operation of the application and will be used whenever there is either a sale or an update for a product. It happens at least one each time someone use the application |
| **Notes** | There could be only one alternative flow, the case that the product is not in the store or in the warehouse |

**USE CASE CREATE SALELIST**

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| **Use Case name** | CREATE SALELIST |
| **Range** | TECHSTORE\_APP |
| **Level** | Creating a list of products for sale |
| **Primary Operator** | The employee |
| **Inderested parts** | The employee wants to create or enrich the sale list |
| **Preconditions** | The employee has chosen the model and has shown in  display its features |
| **Guarantees of Success (post-conditions)** | the model has been added to the list for sale |
| **Main Success Scenario** | 1. The employee has on the screen of the application the model with its characteristics 2. The employee adds the model to the sales list 3. The list of products for sale is displayed, updated with the last addition [alternative flow 1-user wants to cancel the addition] 4. The database is updated (link to use case **UPDATE DATABASE**) |
| **Extensions** | 3.1 the user wants to cancel the addition  3.2 The display shows the sales list   * 1. the user deletes the desired product   2. The list is updated |
| **Special requirements** | The employee should be able to access the sales list directly from the main menu, in case he/she wants to update the list without having selected product previously |
| **List of technology and data variants** | The list also shows the total payment amount in case there is more than one model |
| **Frequency**  **of occurrence** | Updating the list is the last step of the application and will be done each time a sale is completed |
| **Notes** | The accounting office could be informed with completion of the sale and final updating of the list |

**USE CASE CHOOSE CATEGORY**

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| **Use Case name** | CHOOSE CATEGORY |
| **Range** | TECHSTORE\_APP |
| **Level** | Product category selection |
| **Primary Operator** | The employee |
| **Support operator** | The database |
| **Inderested parts** | The list of models appears on the screen of the selected product and the employee can choose the model he wants |
| **Preconditions** | The employee is logged in as authorized user |
| **Guarantees of Success (post-conditions)** | The employee has made a selection of the category from which he wants the models to appear |
| **Main Success Scenario** | 1. the list of product categories is displayed on the screen 2. The employee selects the product category he wishes 3. Display on the screen, the list of the models of the category [alternative flow 1-user wants to select another category] |
| **Extensions** | * 1. the employee wants to choose another category   2. return to list option categories |
| **Special requirements** | The list of models of each product is updated each time from the system database |
| **List of technology and data variants** | The list of models will be categorized according to the brand of the model, so that it becomes easier to  search |
| **Frequency of occurrence** | Category selection is a key step in the process and will be used optionally after the categories appear, if the user wishes to continue the process at least once while using the application |
| **Notes** | The categorization of the list of models can be based on others features, not only in the brand |

**USE CASE DIAGRAM**

