Use-Case List:

A use-case is defined as a “behaviorally related sequence of steps (a scenario), both automated and manual, for the purpose of completing a single business task” (Bentley, 2007:246). The following is a list of all the related use-cases of stockI.T:

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| --- | --- | --- |
| Use-Case Name | Use-Case Description | Participating Actors and Roles |
| Add Stock | This use-case describes the event where the user adds stock. Extends and initiates the verify stock use-case. | * Employee (Primary business) * Manager (Primary business) |
| Cancel Order | This use-case describes the event where the user cancels an order. Depends on the revise order use-case. | * Manager (Primary business) * Supplier (External server) |
| Login | This use-case describes the event where a user logs into the system. Initiates the verify-user use-case. | * Employee (Primary business) * Manager (Primary business) |
| Make Product Inquiry | This use-case describes the event where either the manager or customer makes an inquiry about a specific product. | * Customer (External receiver) * Manager (Primary business) |
| Make Purchases | This use-case describes the event where the customer makes a purchase. Extends the remove stock use-case. | * Customer (External receiver) * Employee (Primary business) |
| Make Purchase History Inquiry | This use-case describes the event where the manager makes an inquiry about the purchase history to the supplier. | * Manager (Primary business) * Supplier (External server) |
| Place Order | This use-case describes the event where either the manager or employee places a new order. Depends on the revise order use-case. | * Manager (Primary business) * Employee (Primary business) |
| Place Special Order | This use-case describes the event where the customer initiates a special order. Extends the place order use-case. | * Customer (External receiver) * Employee (Primary business) |
| Remove Stock | This use-case describes the event where the manager initiates this use-case via the verify stock use-case to remove stock. Depends on the verify stock use-case. | * Manager (Primary business) |
| Revise Order | This use-case describes the event where the manager or supplier revise the details and legitimacy of an order. Depends on the place order use-case. | * Manager (Primary business) * Supplier (External server) |
| Update Stock | This use-case describes the event where the manager initiates this use-case via the verify stock use-case to update the details of the stock. Depends on the verify stock use-case. | * Manager (Primary business) |
| Update User | This use-case describes the event where the manager adds or removes a user or changes a current user’s details. | * Manager (Primary business) |
| Verify Promotion | This use-case describes the event where the customer wants to make a purchase based on a promotion. Extends the make purchases use-case. | * Employee (Primary business) |
| Verify Stock | This use-case describes the event where the manager wants to verify numbers and legitimacy of stock. | * Manager (Primary business) |
| Verify User | This use-case describes the event where a user that is attempting to log in, is validated for existence. | * None |

High-Level Use-Case Narratives: (Check na di priorities en verander hulle net as jy dink hulle verkeerd)

Use-case narration is an important phase of use-case modeling. It is used to describe the path a system takes to meet a requirement. Misunderstandings can be more easily identified by using use-case narration. Accurate use-case narrations also increase the accuracy of later diagrams and also improve the success rate of the project. The use-case narrations for stockI.T will now follow:

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| --- | --- | --- |
| Use-Case Name: | Add Stock | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-001 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | * Employee * Manager | |
| Other Participating Actors: | * Warehouse(External receiver) | |
| Other Interested Stakeholders: | * Procurement – Interested in stock levels of company | |
| Description: | This use-case describes the event where an employee or manager adds new or updates the stock used by the company/branch. The information read into the database is verified and duplicates or faulty values are “red flagged”. Stock that is already in the database gets an increase in quantity. | |

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| --- | --- | --- |
| Use-Case Name: | Cancel Order | Use-Case Type  Business Requirements: (Check box moet in gesit word) |
| Use-Case ID: | CCSI-ID-002 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | * Supplier(External server) | |
| Other Interested Stakeholders: | * Management – Interested in order activity of company for evaluation of company performance | |
| Description: | This use-case describes the event where a manager cancels an order made by the company/branch. The managers work id and name are used to verify his authority before the cancelation is performed. A reason for the cancelation must be given by the manager. The managers work details as well as the reason for cancelation are saved and emailed to HQ for revision. If HQ deem the cancelation as acceptable a cancelation order is sent to the supplier. | |

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| --- | --- | --- |
| Use-Case Name: | Login | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-003 |
| Priority: | High |
| Source: |  |
| Primary Business Actor: | Employee  Manager | |
| Other Participating Actors: | N/A | |
| Other Interested Stakeholders: | * Management – Interested in the security of their software | |
| Description: | This use-case describes the event of when a user tries to gain access to the system. The user is required to enter a username and password. If the username and/or password are incorrect access to the system is denied. If the username and password are verified the user is allowed access to the system and the access level of the user is determined. | |

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| --- | --- | --- |
| Use-Case Name: | Make Product Inquiry | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-004 |
| Priority: | Low |
| Source: |  |
| Primary Business Actor: | Manger | |
| Other Participating Actors: | * Customer(External receiver) * Supplier(External server) | |
| Other Interested Stakeholders: | N/A | |
| Description: | This use-case describes the event where a manger makes an inquiry about a product to the supplier or where a customer makes an inquiry about a product to the employee or manager. When an inquiry is made by the manager the item name and id are entered and verified. If the details of the item is verified an email containing the items’ id and name are sent to the supplier. When a customer makes an inquiry to an employee the employee enters the items’ id and name. If the details are verified all relevant information about the item is displayed. | |

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| Use-Case Name: | Make purchases | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-005 |
| Priority: | High |
| Source: |  |
| Primary Business Actor: | Employee | |
| Other Participating Actors: | * Customer(External receiver) | |
| Other Interested Stakeholders: | * Management – Interested in the sales of goods made by the company to evaluate company performance and success * Procurement – Interested in sales of goods to replenish inventory | |
| Description: | This use-case describes the event where the customer purchases goods from the branch/company. The goods being purchased are scanned into the computer by the employee (cashier). Once the sale is finalized and the customer has successfully paid for the purchased goods, the goods are removed from the stock of the branch. | |

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| Use-Case Name: | Make purchase history inquiry | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-006 |
| Priority: | Low |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | * Supplier(External server) | |
| Other Interested Stakeholders: | * Management – Interested in the amount of money spent on inventory purchased. Evaluation of popularity of products purchased. | |
| Description: | This use-case describes the event where the manager makes an inquiry to the supplier of the purchase history. The work id and name of the manager are entered and verified. If the work id and name of the manager are correct, the time frame of the inquiry as well as the stock types to be listed are sent via an email to the supplier. | |

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| --- | --- | --- |
| Use-Case Name: | Place order | Use-Case Type Business Requirements: |
| Use-Case ID: | CCSI-ID-007 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Manager  Employee | |
| Other Participating Actors: | * Supplier(External server) * Warehouse(External receiver) | |
| Other Interested Stakeholders: | * Procurement – Interested in the level of inventory * Finance – Interested in the amount of equity spent on stock. | |
| Description: | This use-case describes the event of when an employee or manager places an order. The work id and name of the user trying to place the order is verified. If the details are verified the items’ id and name is searched to determine whether there is any stock in storage. If there is no stock of the item the amount required and a reason for the placement of the order is sent via email to HQ. If HQ determines the placement of the order to be valid an email containing the items’ id, name and the amount needed is sent via email to the supplier. | |

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| --- | --- | --- |
| Use-Case Name: | Place special order | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-008 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Employee | |
| Other Participating Actors: | * Customer(External receiver) * Supplier(External Server) * Warehouse(External receiver) | |
| Other Interested Stakeholders: | * Procurement – Interested in the inventory level of the company | |
| Description: | This use-case describes the event where the customer requests a special order from the employee. The work id and name of the employee trying to place the order is verified. If the details are verified the items’ id and name is searched to determine whether there is any stock in storage. If there is no stock of the item an email containing the items’ id, name and the amount needed is sent via email to the supplier. An email is also sent to the customer verifying the order. The order is recorded and saved for future reference. | |

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| --- | --- | --- |
| Use-Case Name: | Remove stock | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-009 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | * Warehouse(External receiver) | |
| Other Interested Stakeholders: | * Procurement – Interested in the levels of inventory within the business. | |
| Description: | This use-case describes the event where the manager removes faulty, fake or incorrect stock. The work id and name of the manager are entered and used to verify the users’ access level and legitimacy. If the id and name are verified the user selects the stock to be removed. A reason for the removal as well as the item id and name are sent via email to HQ. If HQ approves of the removal an email containing the item id and name is sent to the warehouses. | |

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| --- | --- | --- |
| Use-Case Name: | Revise Order | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-010 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | * Supplier(External server) | |
| Other Interested Stakeholders: | * Procurement – Interested in stock levels of the company | |
| Description: | This use-case describes the event where the manager revises a placed order. The managers’ work id and name are entered for verification. If the details are verified the order number and item id are entered. If the details that were entered are verified all the information concerning the order is shown to the user. If changes are made to the order, the order number and changes are sent to the supplier via email. | |

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| --- | --- | --- |
| Use-Case Name: | Update Stock | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-011 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | N\A | |
| Other Interested Stakeholders: | N\A | |
| Description: | This use-case describes the event where the manager changes the details of stock owned by the company. The work id and name of the user is verified. If the user has the adequate access level, the system requests the user to enter the item id and name of the stock that the user wishes to update. If the item id and name are verified the information concerning the stock is shown. Any changes made to the stock is recorded and saved as well as the date on which it was changed and the name and work id of the user who made the changes. | |

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| --- | --- | --- |
| Use-Case Name: | Update user | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-012 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | N\A | |
| Other Interested Stakeholders: | * Human Resources – Interested in the information of the employees of the company | |
| Description: | This use-case describes the event where the manager adds, removes or changes the information of a user. The users’ work id and name are entered to verify that the user has the required access level. Once the details are verified the user is asked if he wants to add, remove or update a user.(Dink jy ek moet uitbrei oor di add remove en update?). When a user is added or updated the information of the user is saved as well as the that changes were made. If a user is removed all relevant information is deleted. | |

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| --- | --- | --- |
| Use-Case Name: | Verify promotion | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-013 |
| Priority: | Medium |
| Source: |  |
| Primary Business Actor: | Employee | |
| Other Participating Actors: | * Customer(External receiver) | |
| Other Interested Stakeholders: | N\A | |
| Description: | This use-case describes the event where the customer wants to make a purchase based on a promotion. The item id and name are entered for verification. If the details are verified the system determines if the item is listed on the promotions list. | |

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| --- | --- | --- |
| Use-Case Name: | Verify stock | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-014 |
| Priority: | High |
| Source: |  |
| Primary Business Actor: | Manager | |
| Other Participating Actors: | N\A | |
| Other Interested Stakeholders: | N\A | |
| Description: | This use-case describes the event where the manager wants to verify the legitimacy of stock. The users’ work id and name are verified by the system. The user gets prompted to enter the items’ id and name. If the items’ details are verified all relevant information for the item as well as all the information concerning any change in the quantity of the item are shown to the user. | |

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| --- | --- | --- |
| Use-Case Name: | Verify user | Use-Case Type  Business Requirements: |
| Use-Case ID: | CCSI-ID-015 |
| Priority: | High |
| Source: |  |
| Primary Business Actor: | N\A | |
| Other Participating Actors: | N\A | |
| Other Interested Stakeholders: | * Management – Interested in the security of the system | |
| Description: | This use-case describes the event where a user that is attempting to log in, is validated for existence. The username and password are entered and cross-referenced by the system to determine whether or not they exist. If the username and password exist the system sends the username, password and access level to login use-case. | |