| Use-Case-ID | power on |
|---|---|
| Description | System powers on when cashier hits the power button. System initiallises itself by starting POST. The POST initializes the peripherals, the connection to ERP and LIM gets checked, pricelist and userlist from ERP gets requested and unsent files get transfered to ERP. The POST can be skipped by user action |
| Precondition | System ist powered off |
| Postcondition | System is powered on, peripherals are initialized, pricelist and userlists are up to date and there are no files waiting to be send to ERP |
| Non functional requirements | average duration up to 20s and maximum 60s in exceptional cases / expected occurance once every day |
| Variations | If POST is skipped by user the system is just powered on, but neither the peripherals are initialized, nor the waiting files are sent do ERP |
| Inquiries | / |
| Notes | / |
| DIR references | S1a, S1b, S2 , |
| Modell reference | Use Case Diagram, Power on Activity Diagram, launch POST Activity Diagram |

| Use-Case-ID | power off |
|---|---|
| Description | System sends all unsent files to ERP when a connection is given and shuts down afterwards |
| Precondition | System is powered on and no user is logged in |
| Postcondition | System is powered off |
| Non functional requirements | expected occurance once every day |
| Variations | / |
| Inquiries | / |
| Notes | / |
| DIR references | IF3a |
| Modell reference | Use Case Diagram, Power off Activity Diagram |

| Use-Case-ID | log in |
|---|---|
| Description | cashier and comparing them with userlist. When both correct the user gets linked to the cash |
| Precondition | System is powered on, no user is logged in |
| Postcondition | System is powered on, user is logged in. In case of variation user is not logged in |
| Non functional requirements | / |
| Variations | User profile doesn't match the cash drawer ID, so the cash drawer has to be removed |
| Inquiries | / |
| Notes | / |
| DIR references | B1a |
| Modell reference | Use Case Diagram, Log in Activity Diagram |

| Use-Case-ID | log out |
|---|---|
| Description | User logs out of system, cash drawer may now be removed |
| Precondition | System is powered on, user is logged in, no active order exists |
| Postcondition | System is powered on, no user is logged in |
| Non functional requirements | Cash drawer can only be removed after log out |
| Variations | / |
| Inquiries | / |
| Notes | / |
| DIR references | B1a |
| Modell reference | Use Case Diagram, Log out Activity Diagram |

| | |
|---|---|
| Use-Case-ID | check cash holdings |
| Description | Upon cashiers request the amount of money held by the cash drawer gets calculated |
| Precondition | System hast to be turned on, a cash drawer ist plugged in and a cashier is logged in |
| Postcondition | / |
| Non functional requirements | / |
| Variations | / |
| Inquiries | / |
| Notes | / |
| DIR references | |
| Modell reference | Use Case Diagram, check cash holdings Activity Diagram |

| | |
|---|---|
| Use-Case-ID | get online help |
| Description | language can be accessed |
| Precondition | System hast to be turned on and connected to the internet |
| Postcondition | / |
| Non functional requirements | / |
| Variations | / |
| Inquiries | / |
| Notes | / |
| DIR references | B4 |
| Modell reference | Use Case Diagram, get online help Activity Diagram |

| | |
|---|---|
| Use-Case-ID | adjust language settings and user interface ergonomics |
| Description | Laguage can be changed by user. |
| Precondition | ? |
| Postcondition | ? |
| Non functional requirements | Available languages are German, English, French, Spanish and Italian |
| Variations | / |
| Inquiries | / |
| Notes | / |
| DIR references | B2, B3 |
| Modell reference | Use Case Diagram, adjust language settings and user interface ergonomics Activity Diagram |

| | |
|---|---|
| Use-Case-ID | Create a new Order |
| Description | This Case creates a new Order, that can later recive Items and prices from the scanners. The CRS can create multiple Orders in parallel, but only one is set as active and will recive Items. |
| Precondition | Cash register system is initialised and Cashier is logged in |
| Postcondition | A Order is created and set as active, to recive Item-Codes |
| Non functional requirements | / |
| Variations | If thereis already a active order, which needs to get freezed, before creating a new one |
| Inquiries | / |
| Notes | / |
| DIR references | F4 |
| Modell reference | Activity Diagram "create a new Order" |

| | |
|---|---|
| Use-Case-ID | Identify item and add item to order |
| Description | A Items gets identified with the help of its Barcode, RF-Tag or by manual cashier input. |
| Precondition | A active order is avalable |
| Postcondition | A new Item is set to the active Order |
| Non functional requirements | / |
| Variations | The Item can get identified with a barcode, RF Tag or manual by the cashier |
| Inquiries | / |
| Notes | / |
| DIR references | IF1a, IF1c, IF6b, F2a |
| Modell reference | Activity Diagram "Identify item and add item to active order" |

| | |
|---|---|
| Use-Case-ID | finish acticve order |
| Description | In This case the previously created order with Items in it will get finished. That means the total price |
| Precondition | All Items are scanned in and Order is completed |
| Postcondition | / |
| Non functional requirements | / |
| Variations | / |
| Inquiries | / |
| Notes | / |
| DIR references | IF7b, IF8b, F3b, F5b |
| Modell reference | Activity Diagrams: "finish active order", "Accept payment in different methods and give back proof of payment and possibly change", "Provide a bill for a costumer's purchased items" |

| | |
|---|---|
| Use-Case-ID | Return identified items |
| Description | in this case a Item gets returned. The Coustomer gets back the money he payed and the Articele gets marked in the LIM as returned. |
| Precondition | Article was bought before. The cashier confirms the article can get returned. |
| Postcondition | The item gets layed in. It is marked as returned in the LIM-System. The customer gets back the money he paied before. |
| Non functional requirements | / |
| Variations | The returned Item is not |
| Inquiries | / |
| Notes | / |
| DIR references | F6a |
| Modell reference | / |