<Supermarket Manager>

Use-Case Model

Version <1.0>

Revision History

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Use-Case Model

# Actors:

* Cashier (regular user)
* Administrator (admin user)

# Scenarios:

* Sell products
* CRUD operations on user accounts and products
* Generate reports
* Activate promotion

# Use Cases:

## Use case: Sell Products

Level: Sub-function

Primary Actor: Cashier

Main Success Scenario:

1. Cashier initiates a new sell transaction.
2. Cashier selects the products to add to the sell transaction.
3. System computes the total price of the sell transaction.
4. Cashier finalizes the sell transaction.

System generates an invoice for the sell transaction.

1. Extensions:

* Products not found or out of stock.
* Cashier cancels the transaction.

## Use case: CRUD operations on user accounts and products.

Level: User-goal level

Primary Actor: Administrator

Main Success Scenario:

1. Administrator logs into the system.
2. Administrator navigates to the user or product management section.

Administrator creates, reads, updates, or deletes user accounts or products.

1. Extensions:

* Invalid input data.
* Administrator lacks the required permissions to perform the CRUD operations.

## Use case: Generate Reports

Level: User-goal level

Primary Actor: Administrator

Main Success Scenario:

1. Administrator logs into the system.
2. Administrator navigates to the report generation section.
3. Administrator selects the report type to generate.

System generates the selected report.

1. Extensions:

* No data found for the selected report type.
* Invalid input data.

## Use case: Activate Promotion

Level: Summary level

Primary Actor: Administrator

Main Success Scenario:

1. Administrator logs into the system.
2. Administrator navigates to the promotion activation section.
3. Administrator activates the promotion.
4. System identifies each ten's client and applies the discount.

System sends a message to the cashier processing the selling.

1. Extensions:

* Promotion already activated.
* No clients found for the promotion.

# UML Use-Case Diagrams

