

Software Engineering Project 2023-2024

Kitbox : Final Report

13/05/2024

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Table of contents :

1. Introduction
2. User stories
3. Use case diagram
4. Activity diagrams
5. Class diagram
6. Sequence diagrams
7. Descriptive sheet of use cases
8. Relationship entity diagram
9. User manual
10. Workload management
11. Conclusion
12. Annex

1. Introduction :

In our world governed by apps, businesses need to evolve endlessly to follow the growing demand for efficiency and customer satisfaction. Kitbox, a company that sells cabinets, recognized the need for change. Previously, customers had to visit the store to order the cabinet of their choice by filling forms. This process also required the presence of salespeople to guide them through the configuration of parts and their compatibility. Such a process would often lead to errors such as non-compatible cabinet configuration, which are time-consuming to fix. Additionally, the staff had to consult those forms in order to update the stocks and contact suppliers if needed, consuming valuable time.

To remedy this, Kitbox contracted our team to digitize these processes. The scope of this project requires the creation of an application through which the customers can enter orders, and the staff handle these orders and the stocks. Good stock management requires keeping acceptable minimum stock levels and selecting suppliers based on price and delivery times.

The system we are developing has to prevent non-compatibility in parts during orders and include a stock management system. It needs a flexible architecture to allow further development. The project will use the C# programming language and MySQL to manage the database. The development will follow the SOLID principle to lead to a reliable and flexible software.

This report will provide detailed documentation to explain the thought process of the app, such as user stories, UML diagrams, and user manual with explanations and screenshots.

Application logins :

- Secretary Secretary
- StockKeeper StockKeeper
- Manager Manager
- Seller Seller

Links :

→ Github :

- ◆ BACKEND is the main branch
- ◆ https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project

→ Planning Q2

- ◆ https://ecambxl-my.sharepoint.com/:w/r/personal/21245_ecam_be/_layouts/15/doc2.aspx?sourcedoc=%7B9ce3b0a6-b437-470b-83d0-bccd1814d379%7D&action=edit

→ Gira link :

- ◆ <https://locknloadcabinets.atlassian.net/jira/software/projects/KITBOX2/>

2. User stories :

Invoice

1. As a seller, I need to generate accurate invoices for customers, giving the details of their orders (with list of parts), including pricing and taxes. **High Priority.**

Update Price Based on Suppliers' Catalog

1. As a secretary, I need to update prices and the items based on the suppliers' catalog, making sure the most current information is available for stock management and order fulfillment. **Medium Priority.**

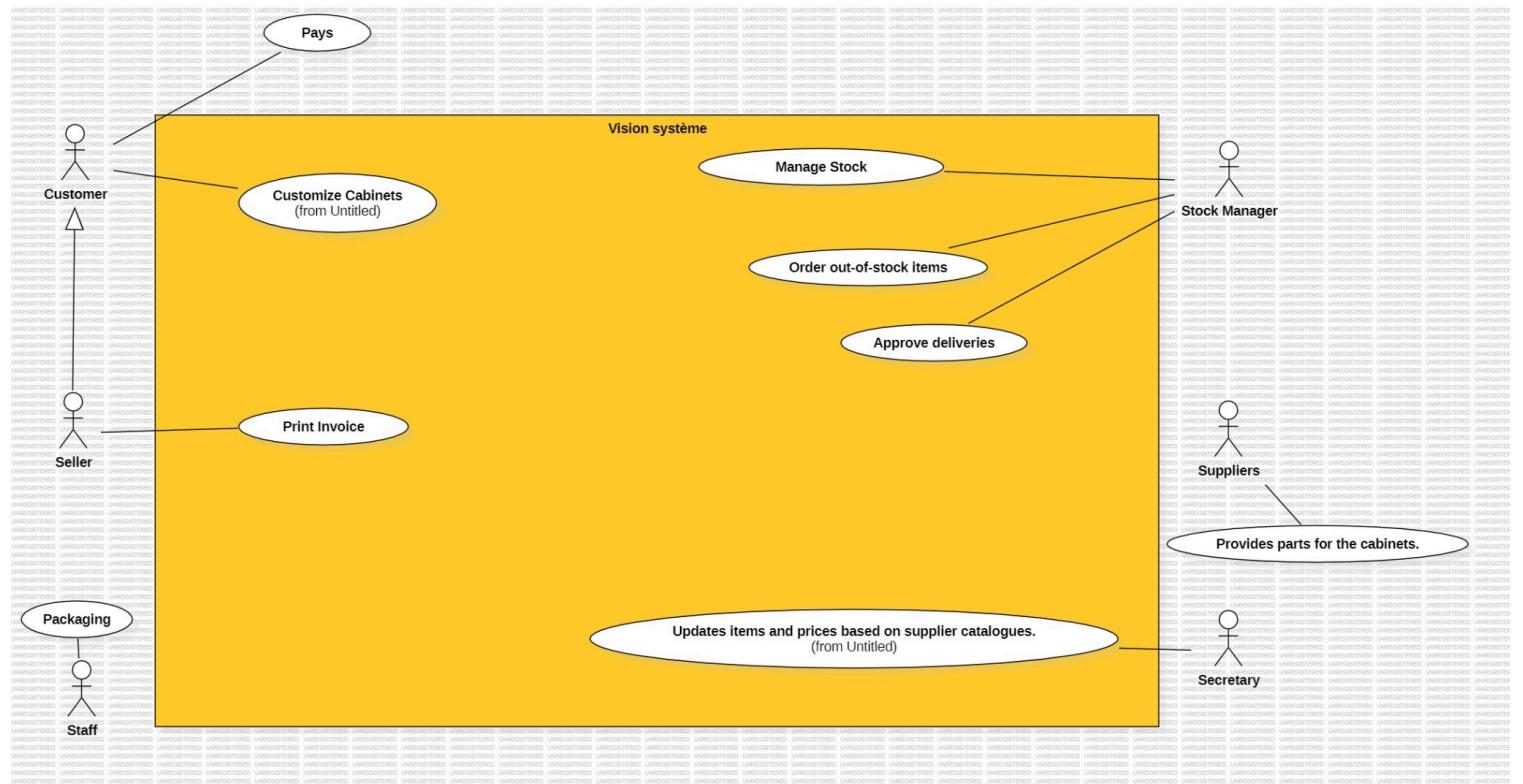
Manage Stock

1. As a stock manager, I need real-time information on stock levels of different parts to manage inventory efficiently and avoid stock-outs or overstocking. **Medium Priority.**
2. As a stock manager, I want to receive parts from suppliers, maintaining adequate stock levels for ongoing orders. **Medium Priority.**
3. As a stock manager, I want to access the list of parts. **High Priority.**
4. As a stock manager, I want to add or modify parts. **High Priority.**

Update Stock

1. As a stock manager, I need to update stock levels in the system based on new deliveries, returns, or order fulfillments, to keep stock data accurate and current. **Medium Priority.**
2. As a stock manager, I want to see up-to-date stock levels, ensuring that I have accurate information for order processing and stock management. **High Priority.**

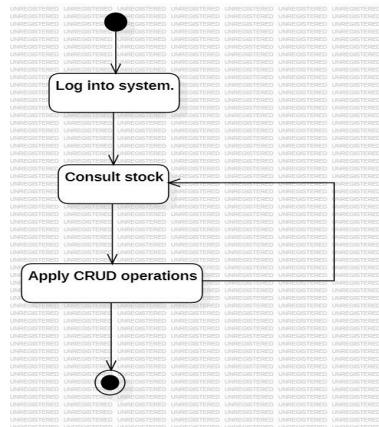
3. Use Case Diagram :



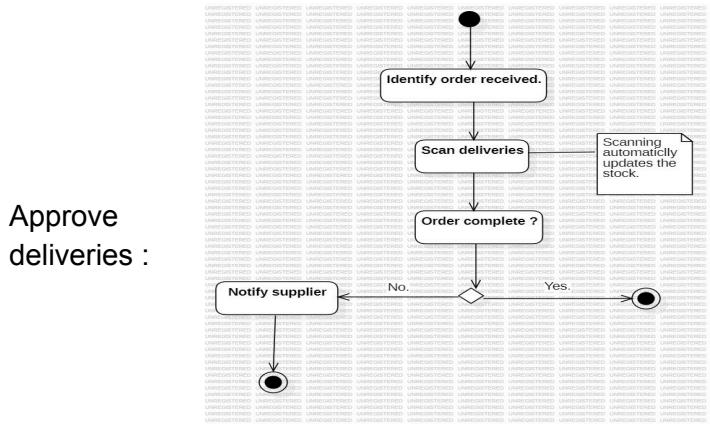
4. Activity diagrams :

4.2 Stock manager :

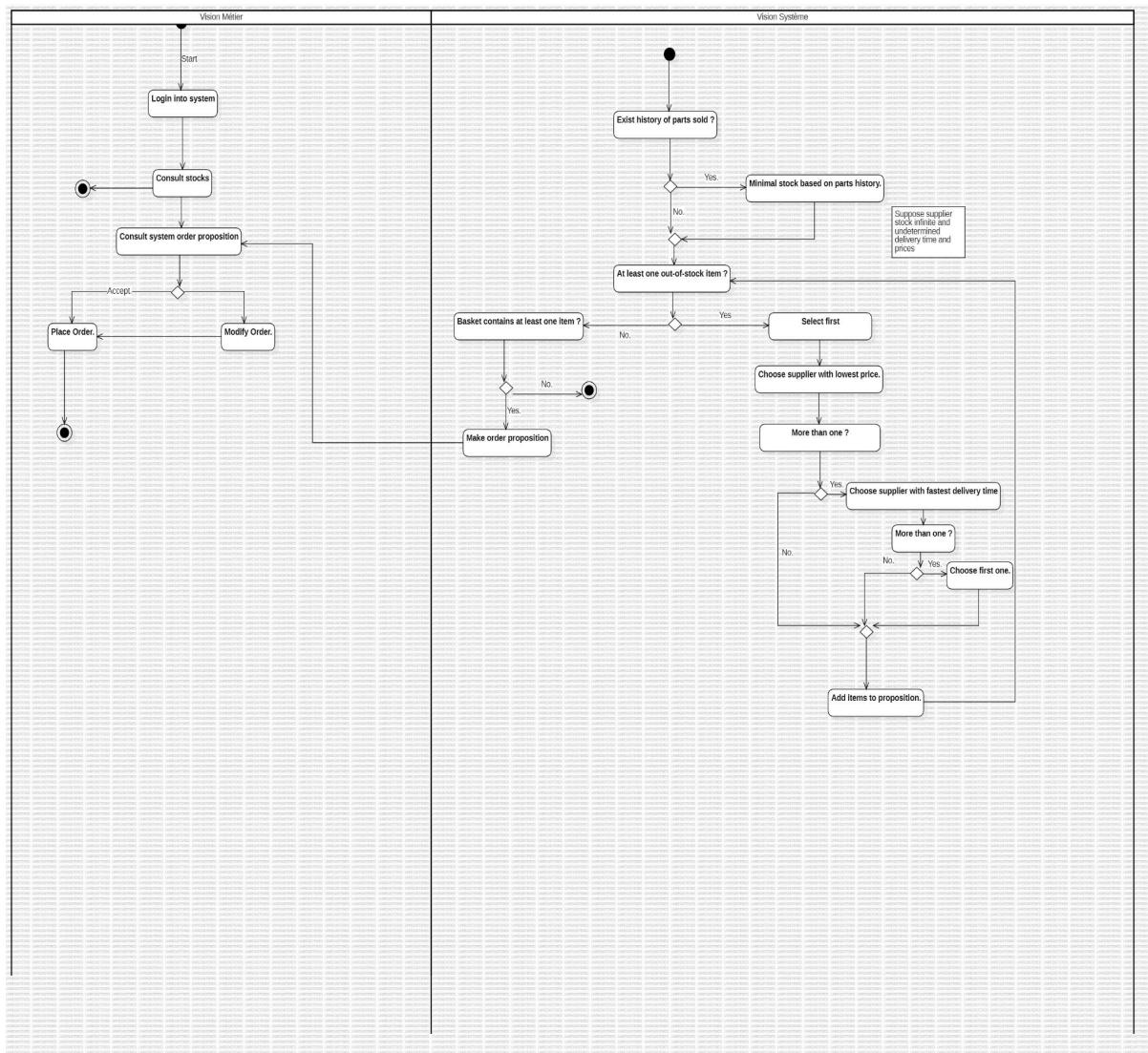
Manage Stock :



Approve deliveries :

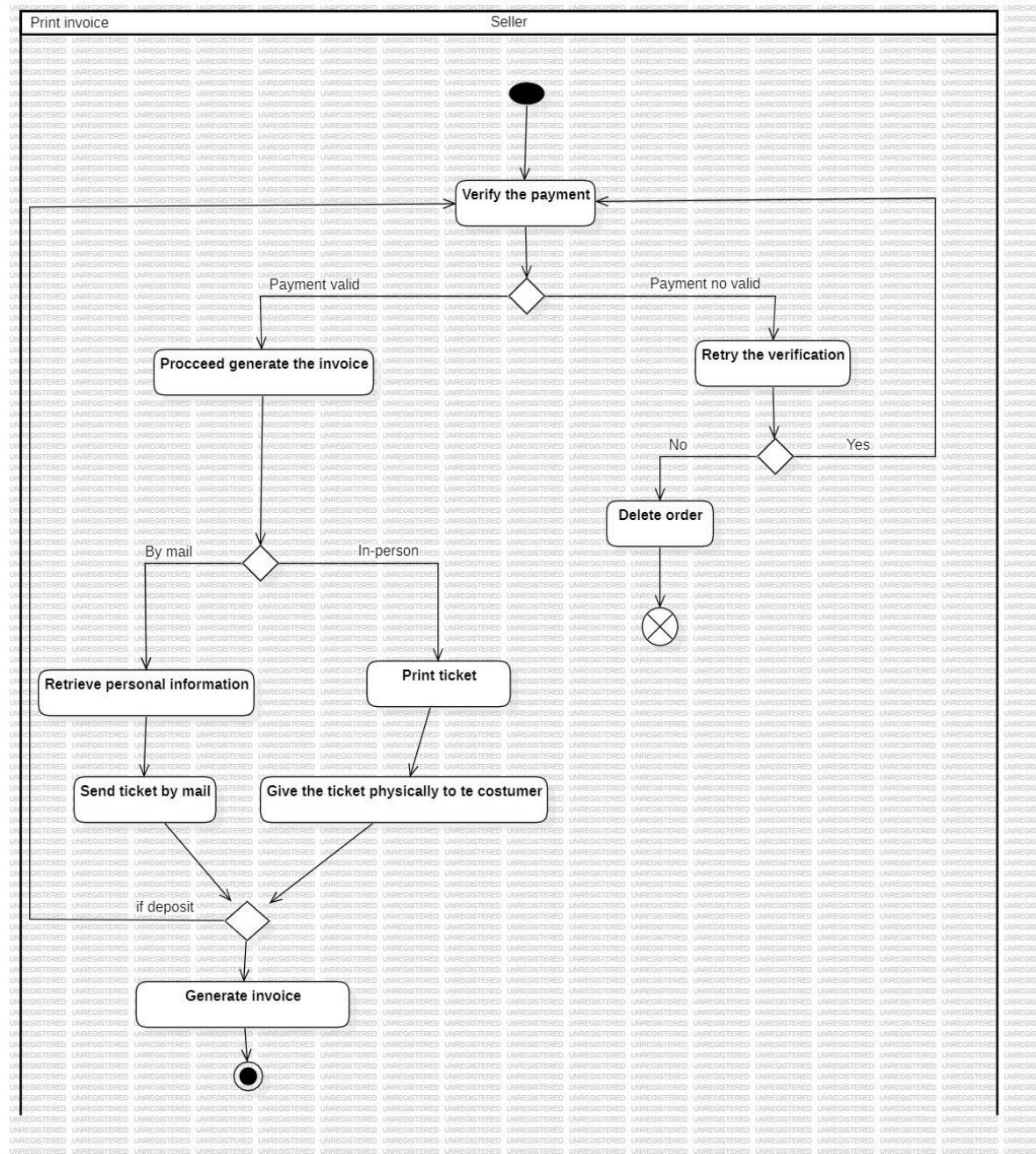


Out-of-stock parts :

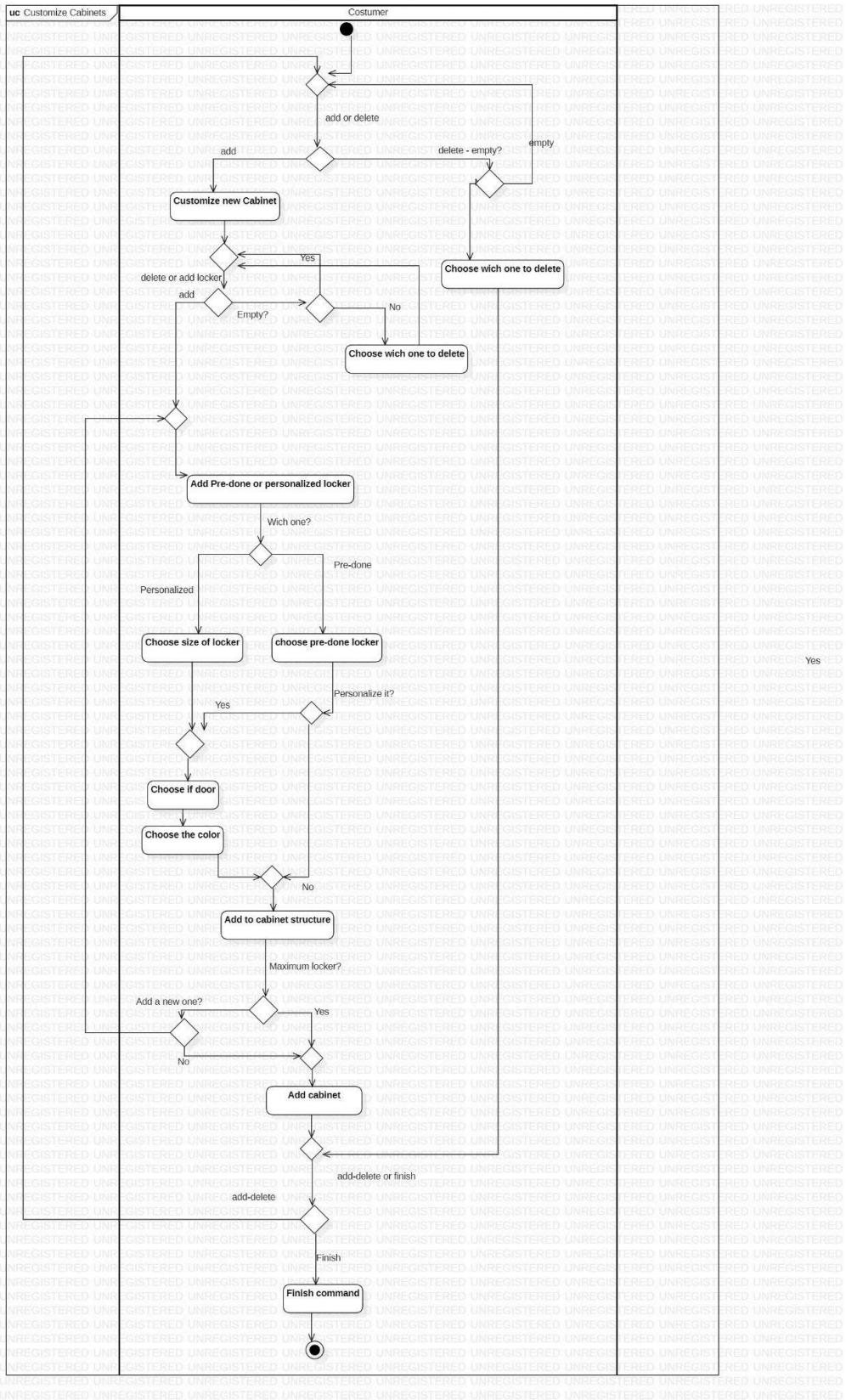


4.2 Seller - Customer :

Seller : Print invoice.

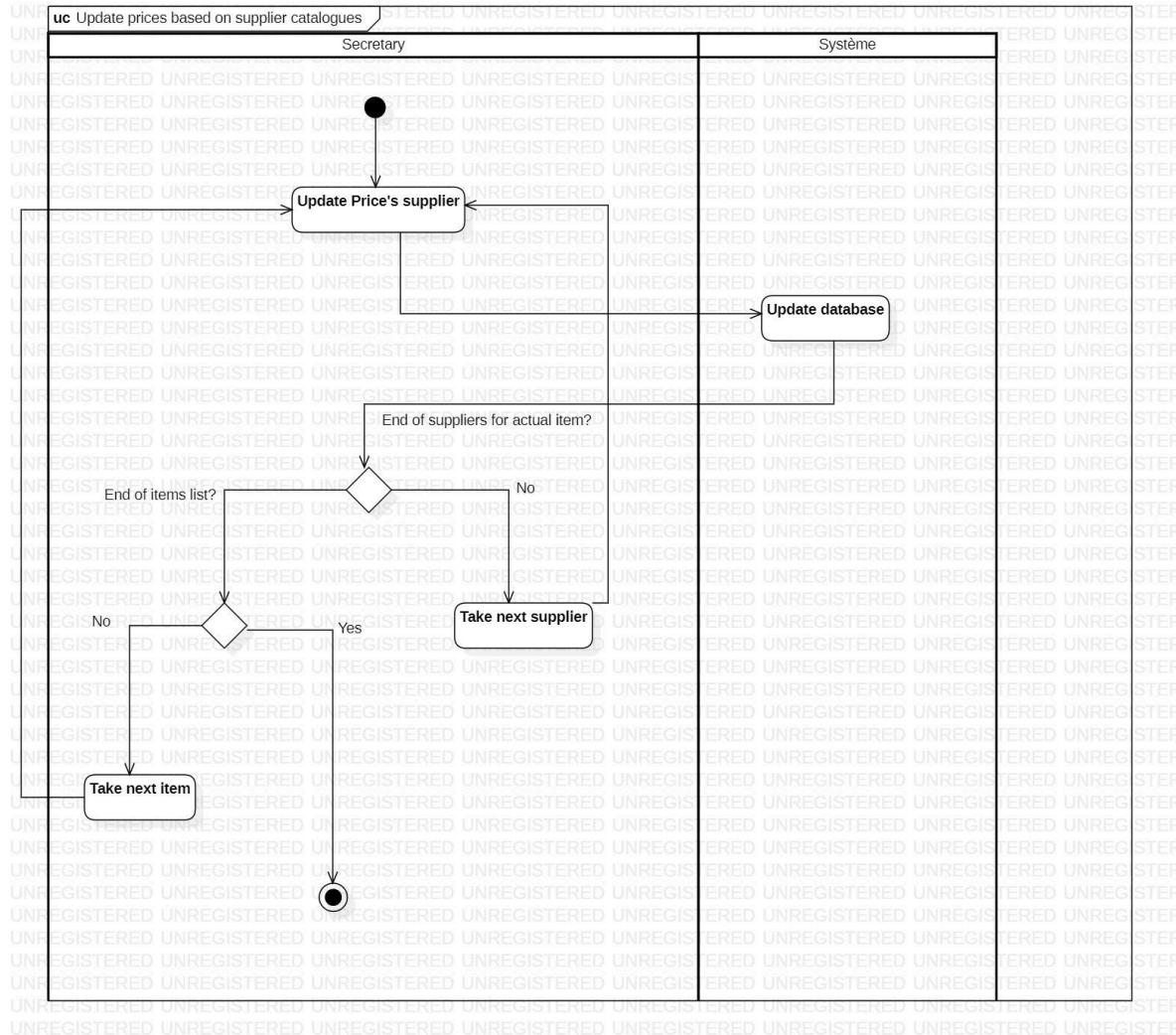


Seller/Customer : Customize Cabinet

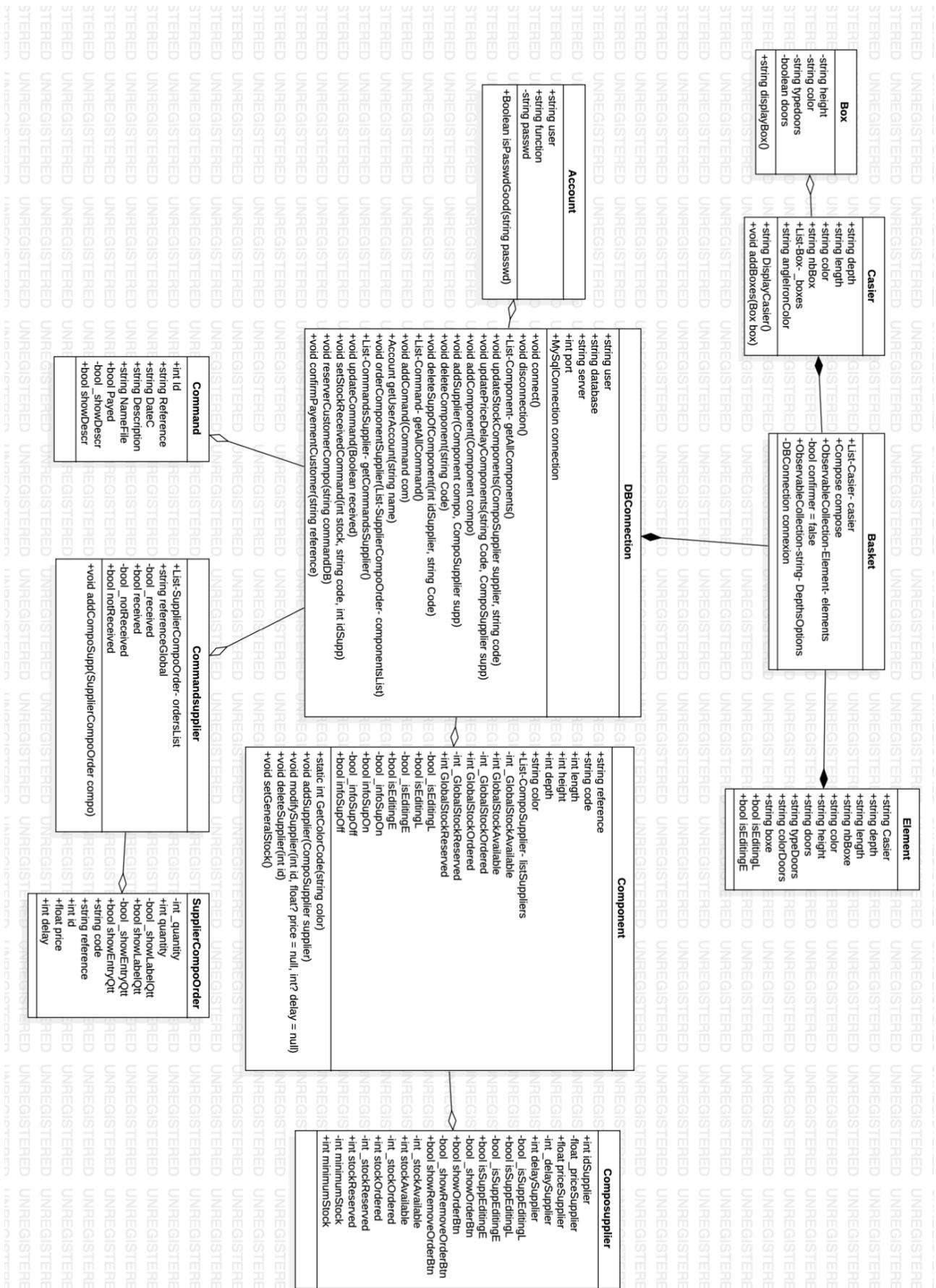


4.3 Secretary :

Updating prices based on supplier catalogue :

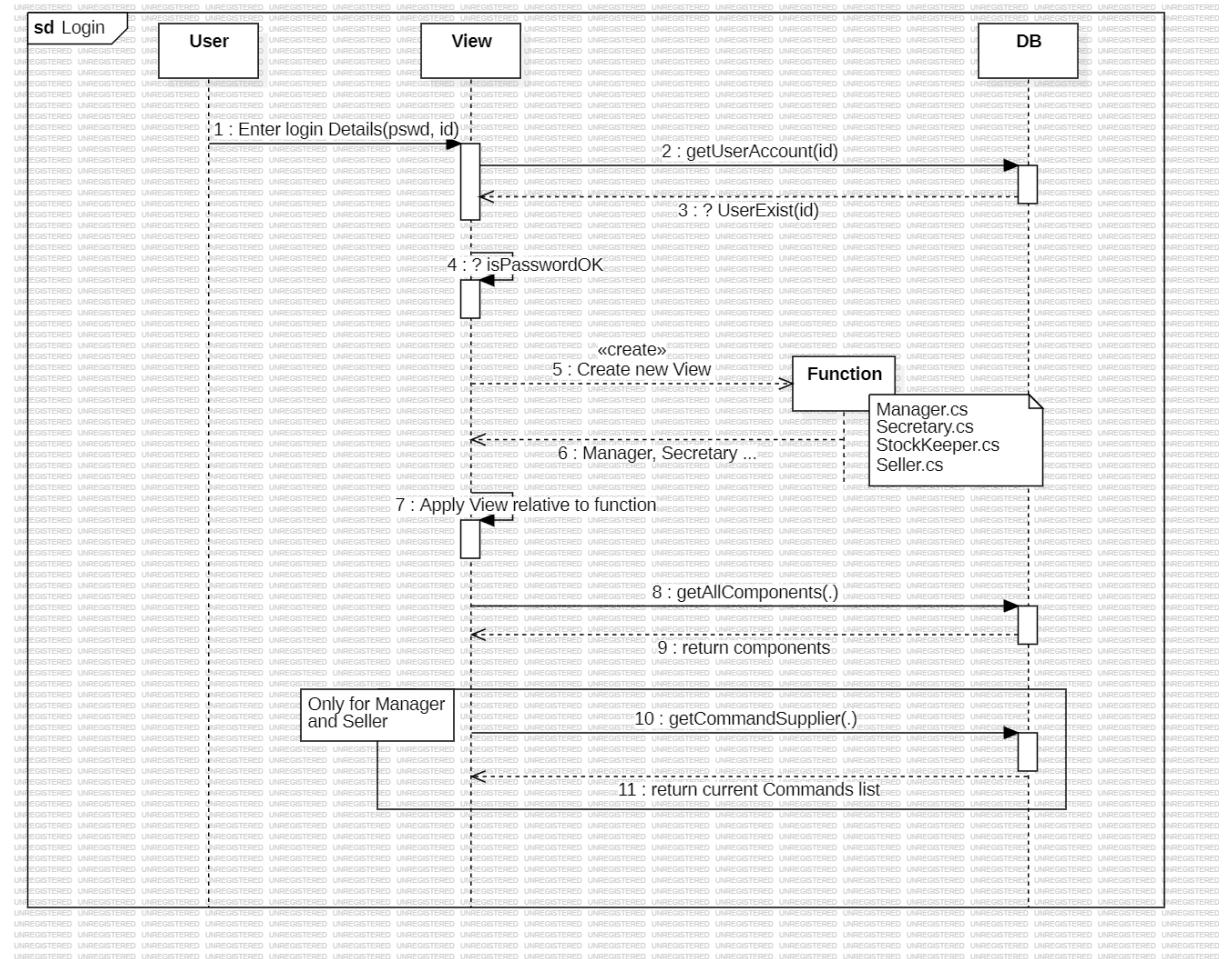


5. Class diagram :

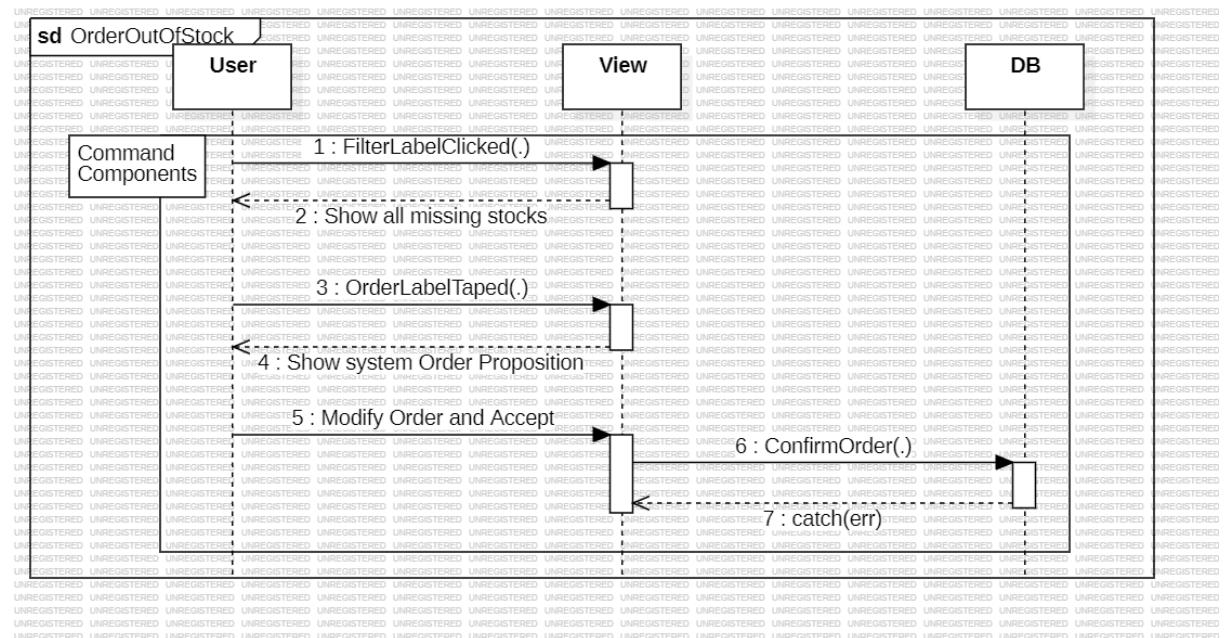


6. Sequence diagram :

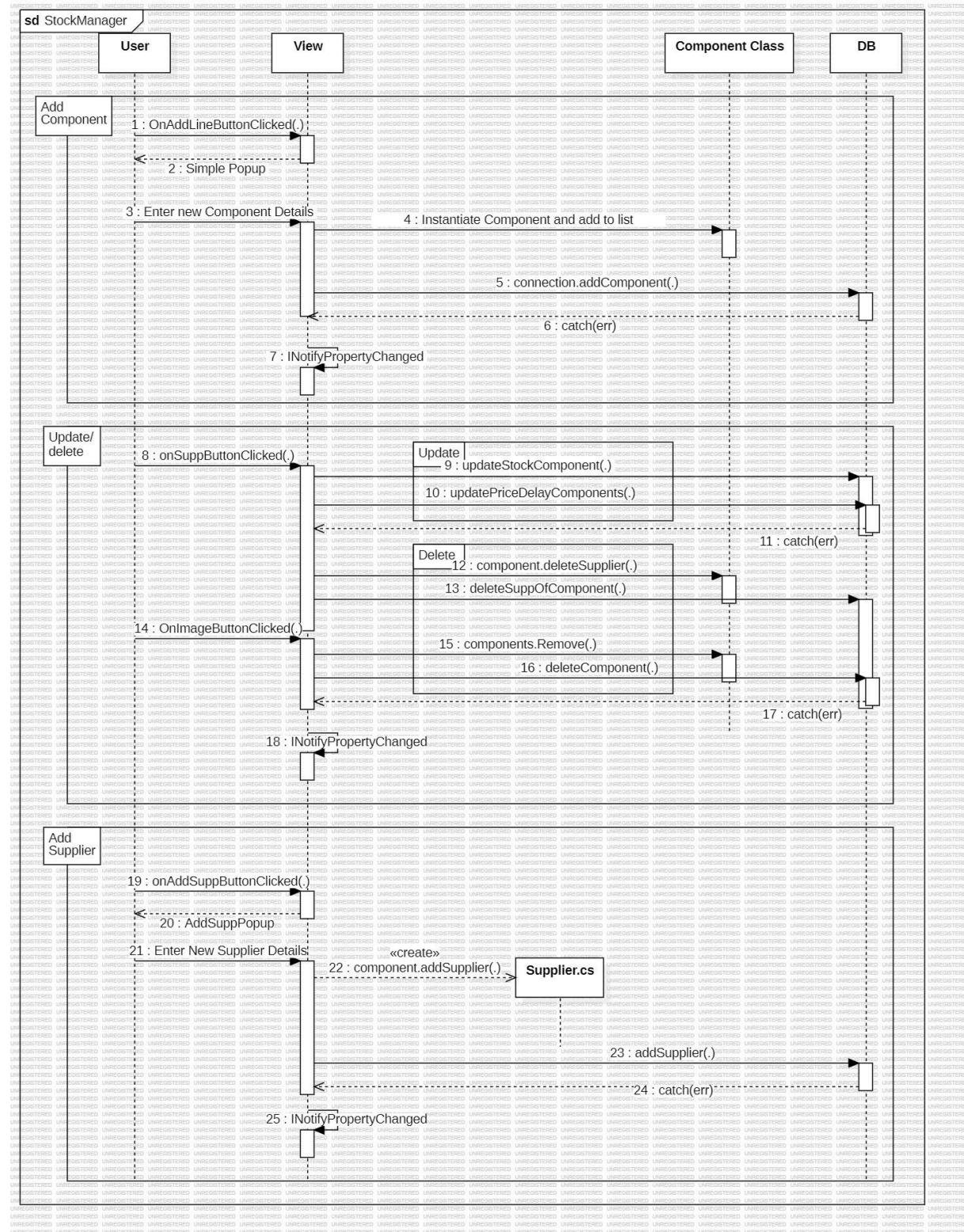
Login - All (except Customer) :



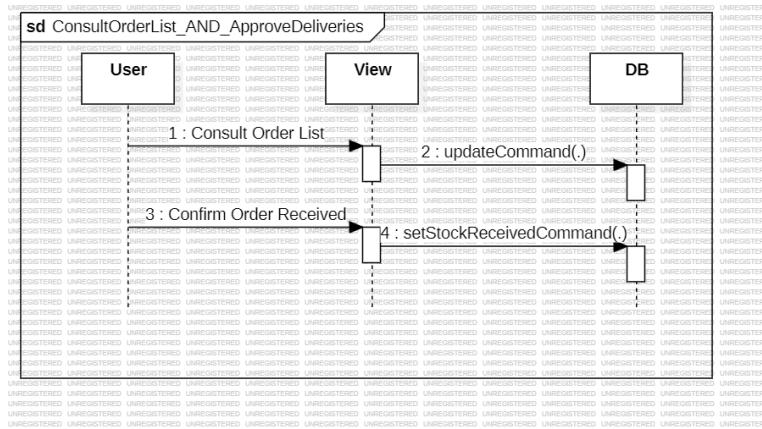
Stock Manager - Order Out of Stock :



Stock Manager - CRUD:



Stock Manager - Consult Order List and Approve Deliveries:



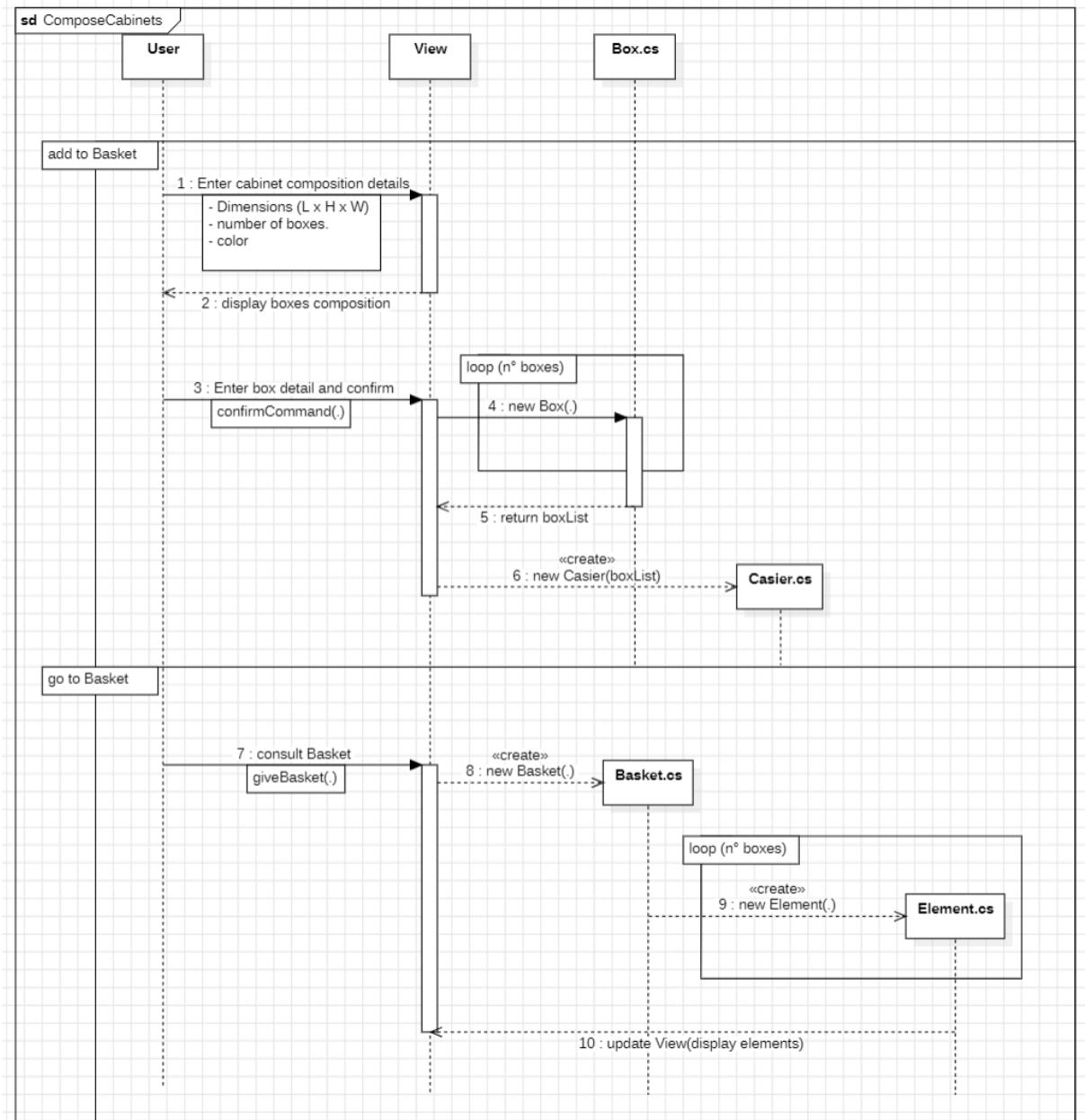
Seller - Validate Order and Consult Order List :

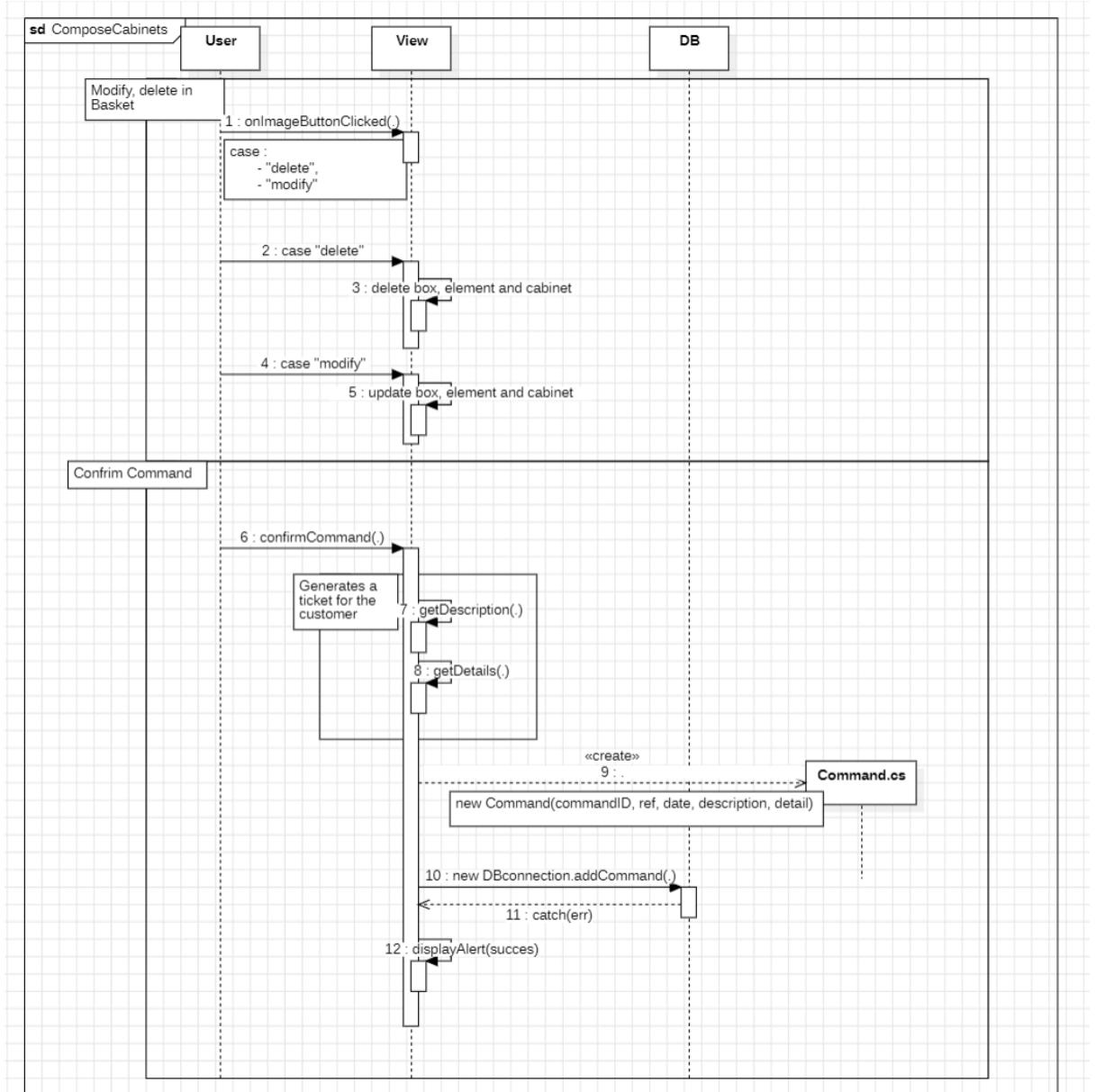
- Same as **Stock Manager** - Consult Order List and Approve Deliveries:

Secretary - Updates items and prices based on supplier catalogues :

- Can perform actions (see **Stock Manager** - CRUD:) :
 - o Update (Actions: 10)
 - o Delete (Actions: 12 and 13)
 - o and perform all actions in the frame “Add Supplier”

Customer - Compose Cabinets:





7. Descriptive sheet of use cases :

1)Customize cabinets

1. **Case Name:** Customize cabinets
2. **Actor(s):**
 - Actor: Customer
3. **Objectives:**
 - To enable customers or sellers to create and customize cabinet orders.
 - To ensure that the ordered cabinets meet the customer's specifications and are compatible.
4. **Preconditions:**
 - The product catalog and current stock levels are available and up to date.
5. **Outcome:**
 - A complete and valid order is created.
 - An order summary is provided to the customer for confirmation.
6. **Case Limitations:**
 - The maximum number of lockers that can be assembled is 7.
7. **Flow: Steps Followed by the Normal Process:**
 1. The user initiates the order creation process.
 2. The user selects the number of lockers and their specific dimensions and features (color, doors, etc.).
 3. The user reviews the order summary, which includes a list of components and total cost.
 4. The user confirms the order.
8. **Alternative Flow:**
 - **Stock Unavailability:** If a selected component is not available in stock, the seller notifies the user and offers the option for partial payment and later collection.
 - **Compatibility Issue:** If the user selects incompatible components, the system alerts the user and suggests modifications

2) Print invoice

1. **Case Name:** Print invoice
2. **Actor(s):**
 - Actor: Seller
3. **Objectives:**
 - To ensure the invoice accurately reflects the details of the order, including price, components, and quantities.

4. Preconditions:

- The order must have been created, customized, and confirmed by the customer.
- The customer must have completed the payment or the deposit for the order.
- The secretary must have up-to-date pricing and other information.

5. Outcome:

- A detailed invoice is generated and provided to the customer.
- The invoice includes order details, pricing and total amount.

6. Case Limitations:

- The accuracy of the invoice depends on the correctness of the order and payment details.

7. Flow: Steps Followed by the Normal Process:

1. The customer completes the payment for the order.
2. The seller calculates the total cost, including any taxes or applicable discounts.
3. An invoice is generated, displaying all relevant information in a structured format.
4. The seller provides the invoice to the customer.

8. Alternative Flow:

1. If there is not all the stock, the customer can make a deposit.
2. The seller generates an invoice with the amount paid.
3. The customer will return to pay the rest and the seller generates an invoice again with the total amount and all components.

3) Update items and prices based on supplier catalogs

1. Case Name: Update items and prices based on supplier catalogs

2. Actor(s):

- Actor: Secretary

3. Objectives:

- To update the prices, delivery times of parts from different suppliers and add new components in the system.
- To ensure the system reflects the most current and accurate supplier information for optimal decision-making in stock management and order fulfillment.

4. Preconditions:

- The secretary has access to the latest supplier catalogs or price lists.
- The secretary is authorized to access and update supplier information in the system.

5. Outcome:

- Supplier prices and delivery times in the system are current and accurate.

6. Case Limitations:

- The accuracy of updates depends on the timeliness and correctness of the information provided by suppliers.

7. Flow: Steps Followed by the Normal Process:

1. The secretary regularly checks updated price lists or delivery time information from suppliers.
2. The secretary logs into the system and accesses the supplier information update section.
3. The secretary enters or updates the prices and delivery times for each supplier's parts.
4. The secretary validates the entered data
5. The updated information is now used by the system for future stock management and order fulfillment decisions.

8. Alternative Flow:

- **System Unavailability:** If the system is down or unavailable, the secretary notes the updates and enters them once the system is back online

4) Order low-stock items

1. Case Name: Order low-stock items

2. Actor(s):

- Actor: Stock manager

3. Objectives:

- To replenish stock for items that are low in inventory or out of stock.
- To maintain minimum stock levels for each item, considering current orders and reserved components.

4. Preconditions:

- The system has accurate, up-to-date information on current stock levels and historical sales data.
- The stock manager has access to supplier information, including lead times and availability.

5. Outcome:

- Efficient replenishment of stock levels, avoiding stock outs.
- Optimal maintenance of minimum stock levels, taking into account existing orders and reservations.

6. Case Limitations:

- Dependence on the accuracy of the system's inventory and order data.
- Potential delays from suppliers affecting stock replenishment.

7. Flow: Steps Followed by the Normal Process:

1. The stock manager regularly reviews inventory data, including stock levels, reserved components, and placed orders.
2. If replenishment is needed, the stock manager evaluates which items need ordering based on current and future requirements.

3. The stock manager selects suppliers based on cost, quality, and delivery time, considering the current stock and business needs.
4. Upon arrival of new stock, the stock manager oversees the update of inventory records and ensures that new supplies are accounted for and reserved components are managed.

8. Alternative Flow:

- If a supplier is unable to fulfill an order on time, the stock manager seeks alternative suppliers or adjusts the inventory strategy accordingly.

5) Manage stock

1. Case Name: Manage stock

2. Actor(s):

- Actor: Stock manager

3. Objectives:

- To monitor and adjust inventory levels, order new stock, and manage existing stock based on sales trends, forecasts, and current business needs.

4. Preconditions:

- The stock manager has access to current and accurate inventory records.

5. Outcome:

- Stock levels are efficiently managed to minimize shortages and overages.
- Efficient management of inventory, reducing the risk of stock-outs or overstocking.

6. Case Limitations:

- It depends on the orders placed by the Stock Manager.

7. Flow: Steps Followed by the Normal Process:

1. The stock manager regularly reviews inventory levels, sales data, and forecasts.
2. The stock manager accesses the stock management section.
3. The stock manager queries the stock level of a specific part.
4. For items needing replenishment, the stock manager selects suppliers and places orders.

8. Alternative Flow:

- **Incorrect Stock Entry:** If an incorrect stock update is entered, the system allows for correction, either immediately or through a subsequent update.

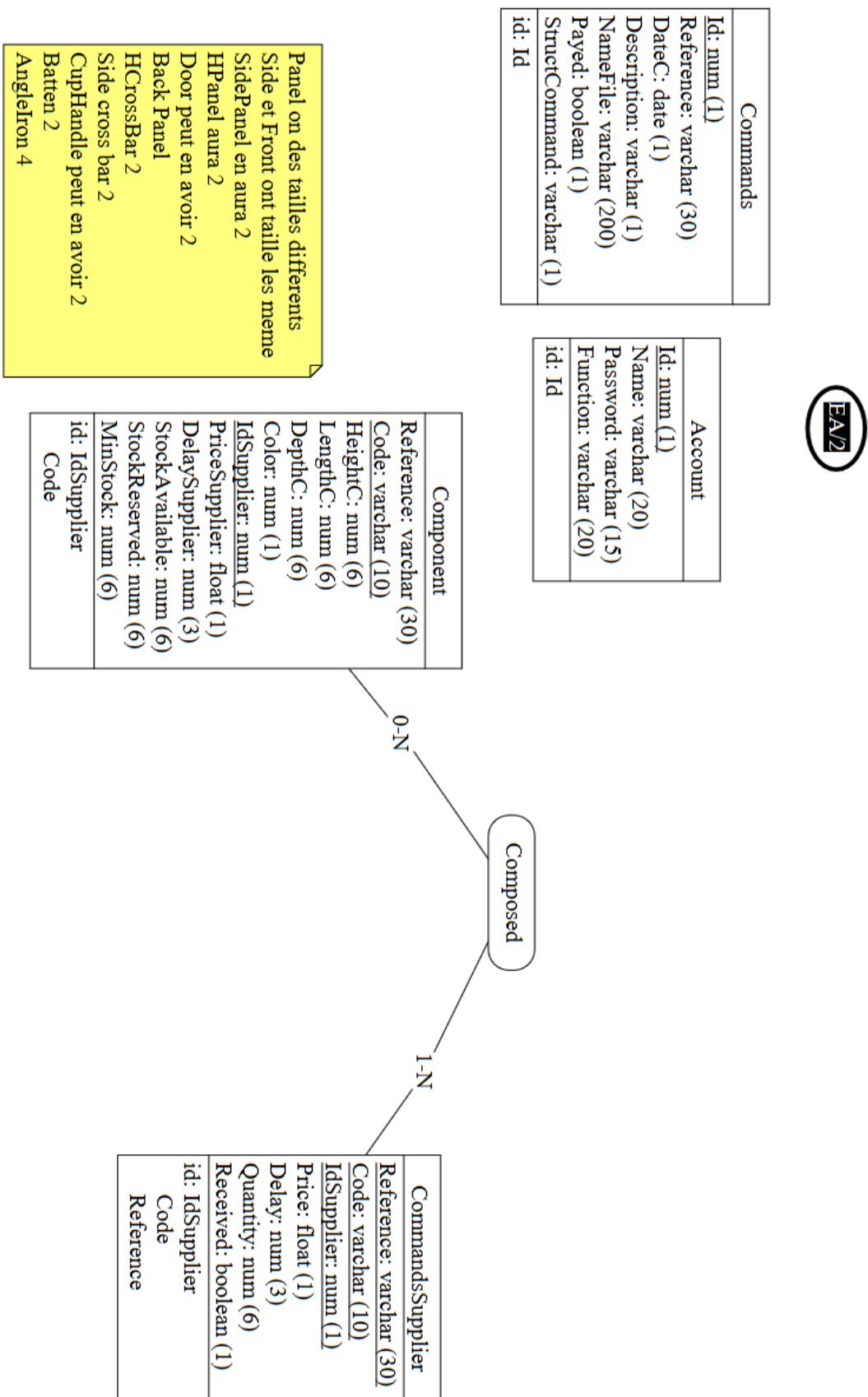
- **Stock Discrepancy:** If a discrepancy is noticed between the physical stock and the system records, a physical inventory check is initiated to rectify the difference.

6) Approve deliveries

1. **Case Name:** Approve deliveries
2. **Actor(s):**
 - Actor: Stock manager
3. **Objectives:**
 - Ensure that all supplier deliveries are accurately recorded in the system.
 - Maintain an accurate and up-to-date inventory of stored items.
4. **Preconditions:**
 - The stock manager is authenticated and has access to the system.
 - An order has been placed and is ready to be received.
5. **Outcome:**
 - All items from the order are accurately updated in the stock.
 - In case of deficiencies in the delivery, the system notifies the stock manager of missing items.
6. **Case Limitations:**
 - The use case assumes that all orders to be received are correctly recorded in the system before reception.
7. **Flow: Steps Followed by the Normal Process:**
 1. The stock manager identifies the order to be received.
 2. They scan all items in the order.
 3. If all items are present, the stock is updated with the correct quantities.
 4. If some items are missing, the stock is updated with the present items, and a notification is generated for the missing items.
8. **Alternative Flow:**

If the stock manager encounters issues with scanning items, an error-handling process is triggered to resolve the problem.

8. Relationship entity diagram :



9. User manual :

Consult annex.

10. Workload management :

BACKEND is the main branch

Mora Leonardo, 23351 :

See githubs commits or the end of document
Login
Database
Classes (.cs) and Views
Popups

Flioris Vassily, 21245 :

See githubs commits
Sequence Diagrams
General UI and App Design
SOLID Principles
STUPID Principles

EI Maadoudi Mehdi, 21359 :

User Stories
Class Diagram
Report writing

Hajchaib Nabil, 21168 :

Use Case Diagram
Descriptive Sheet of use cases
User manual

Simpalingabo Ange, 195105

See github Commmits
Wide app Error Handling
Descriptive Sheet of use cases

Lebbate Haitam, 23352 :

For my part, due to a compatibility issue between my work platforms and those of others, I had to ask Leonardo to push on my behalf. But here is all that I have accomplished and the details of the commits.

Classe réalisée : Compose, Basket, ModifyBasket, Box, Casier, Seller, Admin, Command, Help.

[commit/56e33621d7f592f47f59875c49a2085661f574ab#diff-de0920dd52da4ddce953237081bc1a42986f8df40089be7973f474e09b5edd00](https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/56e33621d7f592f47f59875c49a2085661f574ab#diff-de0920dd52da4ddce953237081bc1a42986f8df40089be7973f474e09b5edd00)

Détails : compose, Manager, Secretary

([commit/c6342db80b136d8f64bb0ba1e91b9bcd3111885](https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/c6342db80b136d8f64bb0ba1e91b9bcd3111885))

Détails : Basket

(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/6f37932cc97d3d6bb768c6808dede87e4b5838a8)

Détails : Basket

(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/6f7fade0392029c44000dcb696dad8e1ba5a7223)

Détails : Basket

(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/339d80b9db1988bd41569e24450cfca35ef86492)

Détails : Admin, Basket, Box, Command, Compose, ModifyBasket, Seller

(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/dbeb9413b78e5954cc9cd636f4f35007cdf91672)

Détails : Basket, Command, ModifyBasket, Seller

https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/dbeb9413b78e5954cc9cd636f4f35007cdf91672

Détails : Seller, Command, Basket, ModifyBasket

https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/4092aa93e8afcd3e5d963d770fd7567a3229c3c1#diff-0f4250af3c5fcbaee48dd81f73061bce4c3ad08f8383039f6d0d7693074b55c0

Détails : Basket

https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/a641c4f05966822645b02fdb514705393eae55ff

Détails: Tout

https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/c6342db80b136d8f64bb0ba1e91b9bcd3111885

Détails: Basket

https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/81041df6b1a22bf251e2eeac442173aee3f5f2ee

Détails: Tout

11. Conclusion :

The application allows customers to compose and order their cabinets while preventing them from compatibility issues between the parts. Furthermore, it also allows the staff to manage the stock and order lacking parts.

However, improvements could have been made, but due to time constraints and compatibility issues between work platforms and the code, the team wasn't able to go as far as they would have liked.

Here is a quick rundown of what was made and what is still to be done :

goals	Achieved	Unachieved
<u>Database</u>	<ul style="list-style-type: none">- Composants, Account, Commands and CommandsSupplier- 	<ul style="list-style-type: none">- Index to be more efficient
<u>UI</u>	<ul style="list-style-type: none">- General azure blue style, with custom logos and icons.	<ul style="list-style-type: none">- Smoother animations- Better color palette- a few UI display bugs to solve
<u>Security</u>	<ul style="list-style-type: none">- Login page, hiding information to those who don't need it	<ul style="list-style-type: none">- Encrypted password in Database
<u>Cabinets Building</u>	<ul style="list-style-type: none">- Fully functional Cabinet building	<ul style="list-style-type: none">- Refactor the xaml for UI- Image of the final cabinet with chosen details (colors, doors,...)- Invoice
<u>Error Handling</u>	<ul style="list-style-type: none">- All the bugs that caused the client-side application to crash	<ul style="list-style-type: none">- Sometimes smoother solution than displayalert- More error handling for certain parts of the code

In conclusion, despite the challenges encountered, the project has achieved its primary goal of digitizing the ordering and stock management processes, pushing the Kitbox company towards modernity.

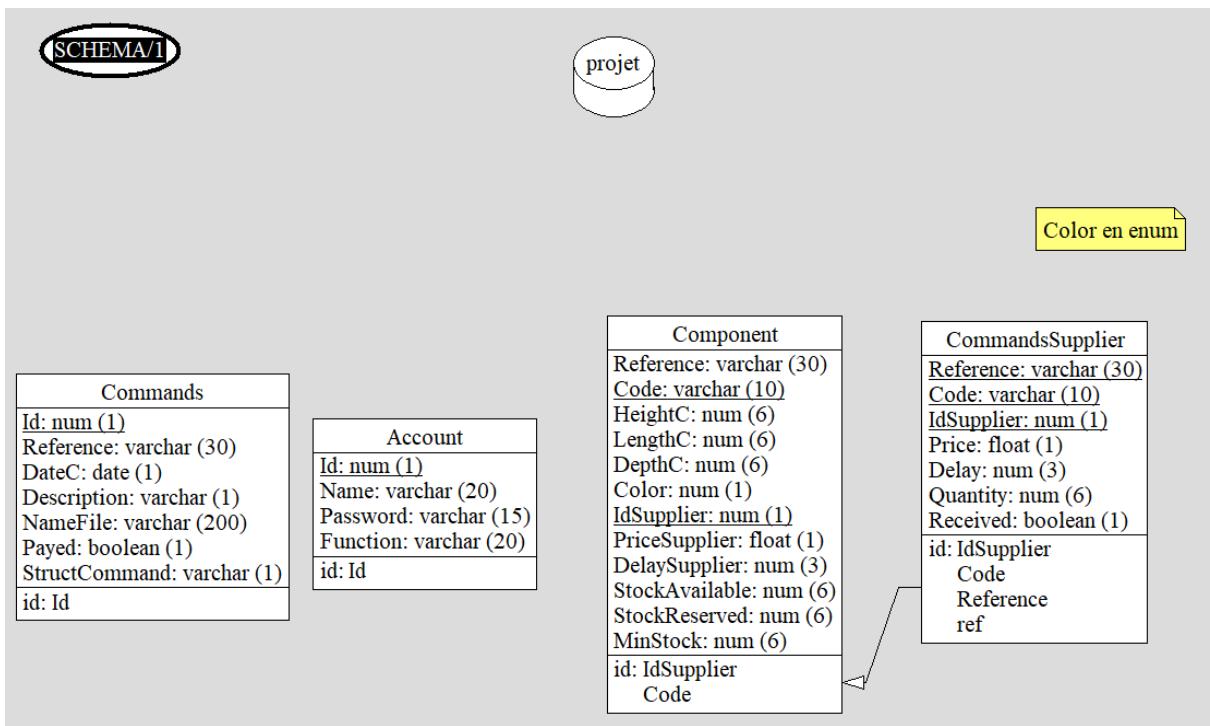
12. Annex:

Commits Leonardo:

(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/56e33621d7f592f47f59875c49a2085661f574ab)> Admin,Components,Create.sql,Maj1.0.sql, DBConnection,Manager,Popup,Secretary,StockKeeper,VariousExceptions
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/9037db45019ab9ea6ff5fc436c1eb4bb714dd29)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/c6342db80b136d8f64bb0ba1e91b9bcd3111885)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/de86851652072388e087ee501dac07629076b9ef)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/6f37932cc97d3d6bb768c6808dede87e4b5838a8)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/93d9af501033f66e6e6a7bec556e79cb397adeed)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/01264bfade906ebea2c0b4f65dfa3361dd7b706)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/f0bc96dd3744b3816315029794c360453869bed8)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/d993f77582664be80462c0dd069d709ef54394e6)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/42518fc250c5b1e9858003d368ed720a76e577b)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/4a80c7e507f81f0e287c0f97bf3af6bdad452c1f)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/3427884008275a277f3dd50052dbb7f29656a8a2)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/339d80b9db1988bd41569e24450cfca35ef86492)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/7daae480819f12bb55b8020664cc8988d4565bce)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/6daaf881e6f8b73c3f665e24ca521a2aaabc1612)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/59bb49168098fa70d22c34fa3431de43eb120999)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/b90b864531b1437fc83e17910a6e64e42e74ad38)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/dbeb9413b78e5954cc9cd636f4f35007cdf91672)>Manager
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/e37161e21724c6580a3b29198d751920ed990f72)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/4092aa93e8afcd3e5d963d770fd7567a3229c3c1)>Manager,SupplierOrderView
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/b57b517a2c91945882166704e0708e17b7239274)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/d98aa9c090df3e5fb6d3f92fee1b79d4b6fdb40b)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/3a47838d7816c5571283228a7715b4c0a8b7d961)>All
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(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/b12cc1df43989510bc38724bbc50ae0a0d14ce6b)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/3930d8cf956fb1d9d3ccca0e9d86d579059cbc7f)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/4a02b0e565dc2c4caa061e166f7a3a07e9152ed4)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/7a3535a9081f57ab55f858c51620aeabb11a508)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/05571e76774ae00c1a2db67c00f7989cece4c901)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/944b636aa8b5fa15d93e335af0ba1703c8c93178)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/398f3d72e56ba239f319bb1c73770ba2d868b60c)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/1a9890b790ae38c71d928083e0e448c955af3040)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/81a29ddd8ba42d0a3ab41a7fc93de72035804e3)>DBConnection
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/9335dd092ce92cff6e393b4e498e419fc22c3626)
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/6b8db5df9ac0b2595b41e1e73c060f56c0291293)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/054506bde1df426ef103c1d9cbecec7e876f8b40)>All
(https://github.com/Muten-Roshi-Sama/Kitbox_Software_engineering_Project/commit/a82cae b09db62a3768252bbff5caf6ae58721832)>All

Structure DB:



KITBOX PROJECT

USER MANUAL

MauiApp1

My basket

Number of boxes :

Width of boxes :

Depth of boxes :

Color of boxes :

Color of the iron :

NEXT

drop down menu for all choices
configure the characteristics of your cabinet

MauiApp1

My basket

Number of boxes :

Width of boxes :

Depth of boxes :

Color of boxes :

Color of the iron :

Black

White

Marron

NEXT

press here to continue

Maupap1

My basket

Number of boxes : 4

Width of boxes : 62

Depth of boxes : 42

Color of boxes : White

Color of the iron : White

NEXT

Boxe 1

Do you want a door for this box ?

Do you want a glass door ?

Chose the color of the door:

Chose the height of the box:

Boxe 2

Do you want a door for this box ?

Do you want a glass door ?

Chose the color of the door:

Chose the height of the box:

Boxe 3

Do you want a door for this box ?

Do you want a glass door ?

Chose the color of the door:

Chose the height of the box:

Boxe 4

Do you want a door for this box ?

Do you want a glass door ?

Chose the color of the door:

Chose the height of the box:

Confirm

drop down menu for each box

Maupap1

My basket

Number of boxes : 4

Width of boxes : 62

Depth of boxes : 42

Color of boxes : White

Color of the iron : White

NEXT

Boxe 1

Do you want a door for this box ? Yes

Do you want a glass door ? Yes

Chose the color of the door:

Chose the height of the box: 32cm

Boxe 2

Do you want a door for this box ? No

Do you want a glass door ? Yes

Chose the color of the door:

Chose the height of the box: 42cm

Boxe 3

Do you want a door for this box ? Yes

Do you want a glass door ? No

Chose the color of the door: Marron
Black
White

Chose the height of the box:

Boxe 4

Do you want a door for this box ?

Do you want a glass door ?

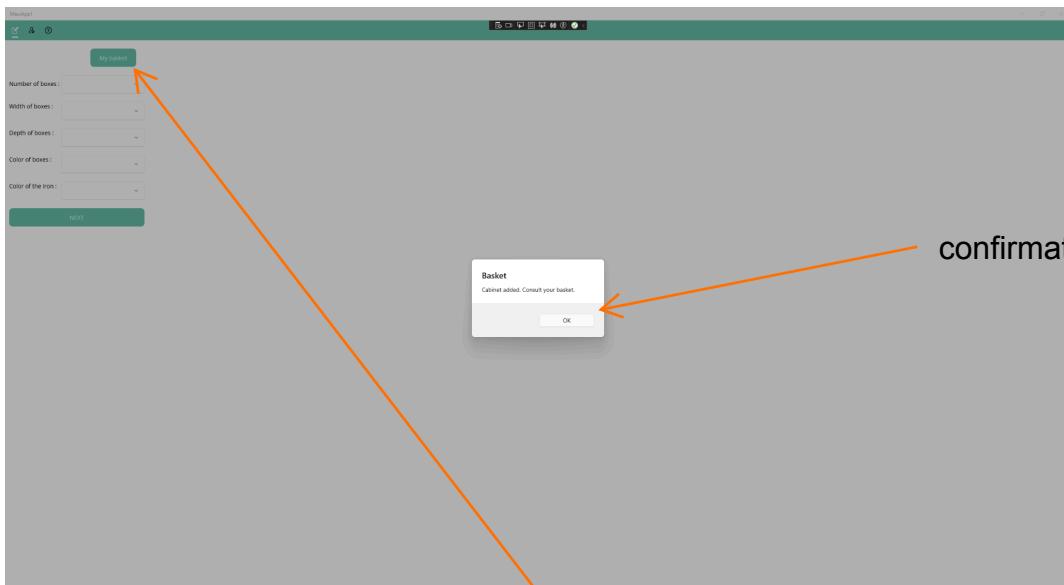
Chose the color of the door:

Chose the height of the box:

Confirm

some choices are not compatible like choosing a glass door with color

press here to add to basket



confirmation of adding to cart

press here to view the basket

Casier	Depth	length	nbCasier	Color	Height	Door s	Type Door s	Color Door s
0	62	42	4	White	32cm	True	/	/
0	62	42	4	White	42cm	False	/	/
0	62	42	4	White	42cm	True	/	/
0	62	42	4	White	52cm	True	/	/

you can edit a box by pressing here

MauiApp1

Modify your values:

Height of the box :

Do you want doors :

Which type of door do you want :

Color of the door :

Confirm

then we modify with the drop-down menus

and we can press there

MauiApp1

Casier	Depth	length	nbCaser	Color	Height s	Door s	Type Door s	Color Door s
0		42	4	White	32cm	True	/	/
0	62	42	4	White	42cm	False	/	/
0	62	42	4	White	42cm	True	/	/
0	62	42	4	White	52cm	True	/	/

we confirm the modifications

we can also delete a box by pressing here

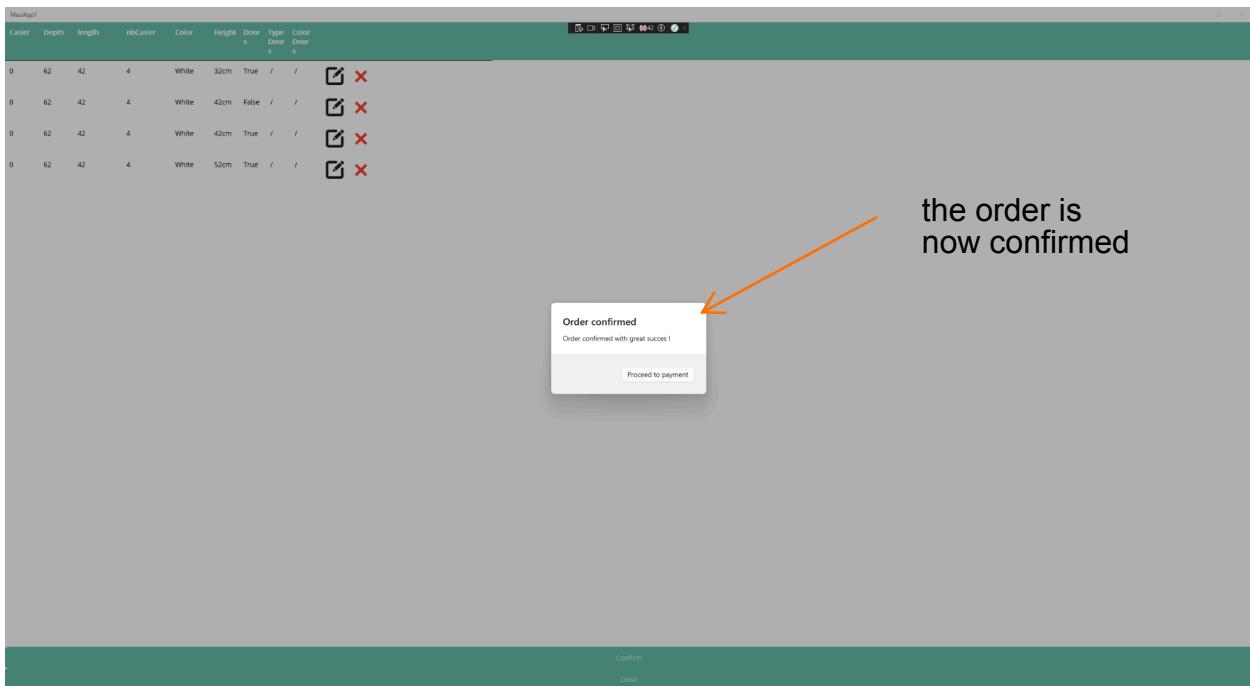
Casier	Depth	length	nbCaser	Color	Height s	Door s	Type Door s	Color Door s
0	62	42	4	White	32cm	True	/	/
0	62	42	4	White	42cm	False	/	/
0	62	42	4	White	42cm	True	/	/
0	62	42	4	White	52cm	True	/	/

we confirm the basket order by clicking here

Confirm

Close

or simply close tab

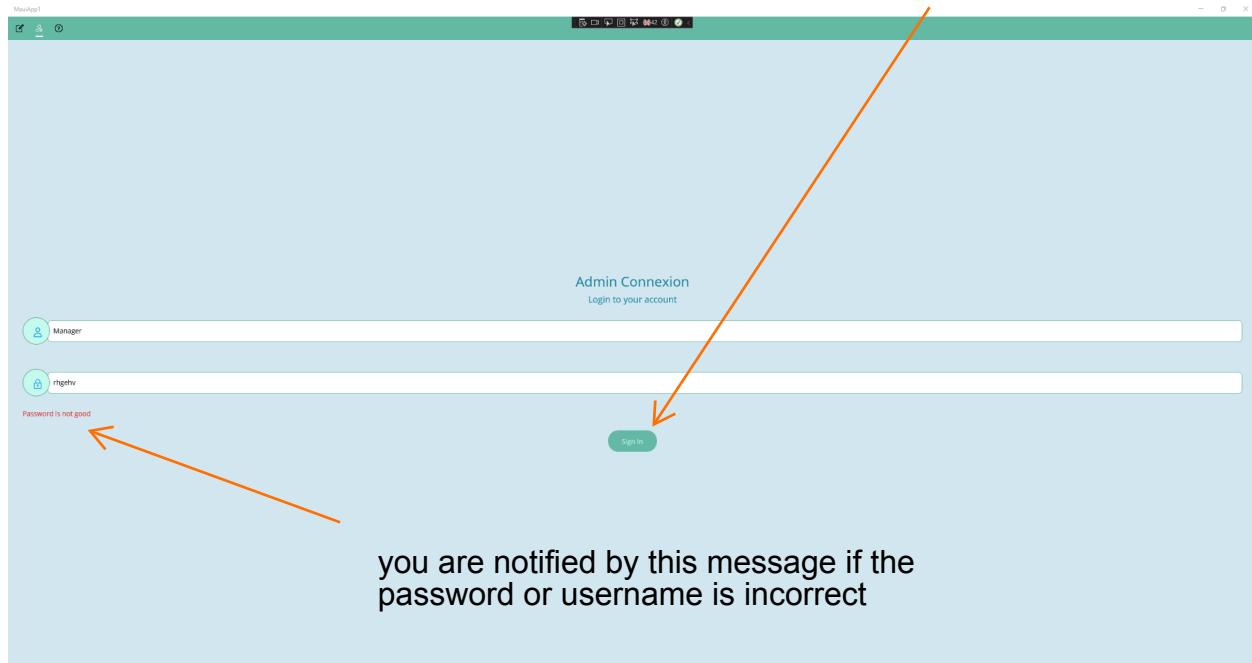


STAFF PART

Logs :

id : Manager / password : Manager
 id : StockKeeper / password : StockKeeper
 id : Seller / password : Seller
 id : Secretary / password : Secretary

if you are part of the store staff,
you can log in with your username
and password and click here



Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	Actions
765456	7654567	100	100	100	No color	1539	35	0	▼ X
aaaa	aaaa	1	12	14	White	171	125	0	▼ X
Angle iron	COR105BL	2	52	0	White	866	0	0	▼ X
Angle iron	COR106BR	2	52	0	Marron	762	0	0	▼ X
Angle iron	COR106NR	2	52	0	Black	719	0	0	▼ X
Angle iron	COR127BL	3	42	0	White	817	0	0	▼ X
Angle iron	COR127BR	3	42	0	Marron	1333	0	0	▼ X
Angle iron	COR127GL	3	42	0	Galva	823	0	0	▼ X
Angle iron	COR127NR	3	42	0	Black	856	0	0	▼ X
Angle iron	COR128BL	4	32	0	White	720	0	0	▼ X
Angle iron	COR128BR	4	32	0	Marron	721	0	0	▼ X
Angle iron	COR128GL	4	32	0	Galva	791	0	0	▼ X
Angle iron	COR128NR	4	32	0	Black	731	0	0	▼ X
Angle iron	COR157BL	3	52	0	White	227	0	0	▼ X
Angle iron	COR157BR	3	52	0	Marron	670	0	0	▼ X
Angle iron	COR157GL	3	52	0	Galva	649	0	0	▼ X
Angle iron	COR157NR	3	52	0	Black	448	0	0	▼ X
Angle iron	COR159BL	5	32	0	White	806	0	0	▼ X
Angle iron	COR159BR	5	32	0	Marron	1964	0	0	▼ X
Angle iron	COR159GL	5	32	0	Galva	1074	0	0	▼ X
Angle iron	COR159NR	5	32	0	Black	817	0	0	▼ X
Angle iron	COR168BL	4	42	0	White	1260	0	0	▼ X
Angle iron	COR168BR	4	42	0	Marron	817	0	0	▼ X
Angle iron	COR168GL	4	42	0	Galva	1060	0	0	▼ X
Angle iron	COR168NR	4	42	0	Black	470	0	0	▼ X
Angle iron	COR190BL	6	32	0	White	367	0	0	▼ X
Angle iron	COR190BR	6	32	0	Marron	912	0	0	▼ X
Angle iron	COR190GL	6	32	0	Galva	1021	0	0	▼ X
Angle iron	COR190NR	6	32	0	Black	391	0	0	▼ X

here we have a global view for the manager who can view the parts in stock

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	+  
									 
7655456	7654567	100	100	100	No color	1539	35	0	 
Id Supplier	Price Supplier	Delay Supplier	Stock available	Stock ordered	Stock reserved	Minimum stock			 
1	70	5	800	0	0	5	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 
2	80	2	700	0	0	10	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 
3	200	6	39	35	0	35	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 
aaaa	aaaa	1	12	14	White	171	125	0	 
Angle iron	COR106BL	2	52	0	White	866	0	0	 
Angle iron	COR106BR	2	52	0	Marron	762	0	0	 
Angle iron	COR106NR	2	52	0	Black	719	0	0	 
Angle iron	COR127BL	3	42	0	White	817	0	0	 
Angle iron	COR127BR	3	42	0	Marron	1333	0	0	 
Angle iron	COR127GL	3	42	0	Galva	823	0	0	 
Angle iron	COR127NR	3	42	0	Black	856	0	0	 

by clicking here, you can access a more detailed view of the suppliers

we can edit, delete or add with these buttons

we can press here to display all items whose available stock is smaller than the minimum stock level

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	+  
									   
7655456	7654567	100	100	100	No color	1500	0	0	 
Id Supplier	Price Supplier	Delay Supplier	Stock available	Stock ordered	Stock reserved	Minimum stock			 
1	70	5	800	0	0	5	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 
2	80	2	700	0	0	10	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 
3	200	6	4	0	0	35	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 	<input checked="" type="checkbox"/> 
aaaa	aaaa	1	12	14	White	171	125	0	 
Angle iron	COR106BL	2	52	0	White	866	0	0	 
Angle iron	COR106BR	2	52	0	Marron	762	0	0	 
Angle iron	COR106NR	2	52	0	Black	719	0	0	 
Angle iron	COR127BL	3	42	0	White	817	0	0	 
Angle iron	COR127BR	3	42	0	Marron	1333	0	0	 
Angle iron	COR127GL	3	42	0	Galva	823	0	0	 
Angle iron	COR127NR	3	42	0	Black	856	0	0	 
Angle iron	COR128BL	4	32	0	White	720	0	0	 
Angle iron	COR128BR	4	32	0	Marron	721	0	0	 

Missing Stock

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved		Filtre	Order	
7655456	7654567	100	100	100	No color	1500	0	0				
Id Supplier	Price Supplier	Delay Supplier	Stock available	Stock ordered	Stock reserved	Minimum stock						
3	200	6	4	0	0	35						

so we can now click on "order" to order the minimum stock from the supplier

and we click here to validate

Order Review							
Reference	Code	Id Supplier	Price	Delay	Quantity		
7655456	7654567	3	200	6	35		

we have now to confirm the order here

Order Review							
Reference	Code	Id Supplier	Price	Delay	Quantity		
7655456	7654567	3	200	6	35		

Order confirmed
Order confirmed with success !

OK

a pop-up notifies us that the order has been placed

MauiApp1

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	+ Filtrer	Stock Orders
7655456	7654567	100	100	100	No color	1500	0	0		
aaaa	aaaa	1	12	14	White	171	125	0		
Angle iron	COR106BL	2	52	0	White	866	0	0		
Angle iron	COR106BR	2	52	0	Marron	762	0	0		
Angle iron	COR106NR	2	52	0	Black	719	0	0		
Angle iron	COR127BL	3	42	0	White	817	0	0		
Angle iron	COR127BR	3	42	0	Marron	1333	0	0		
Angle iron	COR127GL	3	42	0	Galva	823	0	0		
Angle iron	COR127NR	3	42	0	Black	856	0	0		
Angle iron	COR128BL	4	32	0	White	720	0	0		
Angle iron	COR128BR	4	32	0	Marron	721	0	0		
Angle iron	COR128GL	4	32	0	Galva	701	0	0		
Angle iron	COR128NR	4	32	0	Black	731	0	0		
Angle iron	COR157BL	3	52	0	White	227	0	0		
Angle iron	COR157BR	3	52	0	Marron	670	0	0		

Disconnect

by clicking here, the manager can have a view of orders placed with suppliers

MauiApp1

Commands To Supplier

Code	Id Supplier	Price	Delay	Quantity	
Order n°1712931524					
aaaa	1	43.25	1	30	Received
aaaa	4	11.21	3	50	
aaaa	10	23.12	7	25	
Order n°1714758142					
aaaa	3	12.2	4	20	In Progress
Order n°1715018881					
COR208BR	1	1.14	11	99	Giving
COR35BL	3	0.23	9	69	
Order n°1715023168					
COR208NR	3	0.88	13	42	Giving
COR208NR	6	1.25	6	78	
Order n°1715027601					
COR35BR	5	0.24	6	29	Giving
COR45BL	2	0.3	9	55	
Order n°1715029503					
Disconnect					

he can confirm receipt of orders by pressing this button

MauApp1					
ID	Reference	DateC	Description	Namefile	Payed
1	aaa	13-03-24 00:00:00	bbb	True	 
2	bbb	21-03-24 00:00:00	commandBBB B	False	 
14	aaaaa	21-03-24 00:00:00	commandBBB B	False	 
15	cc	21-03-24 00:00:00	commandBBB B	False	 
16	dd	25-03-24 00:00:00	commandBBB B	False	 
17	25/03/2024 15:39:27_5	25-03-24 00:00:00	commandTest	False	 
18	2053_7	26-03-24 00:00:00	commandTest	False	 
19	2054_8	27-03-24 00:00:00	commandTest	False	 
20	2054_9	27-03-24 00:00:00	commandTest	False	 
21	2054_10	27-03-24 00:00:00	commandTest	False	 
22	2054_11	27-03-24 00:00:00	Nombre de casier = 11 BoxeLocker 1:1 BoxeLocker 2: 1 BoxeLocker 3: BoxeLocker 4: BoxeLocker 5: BoxeLocker 6: BoxeLocker 7: BoxeLocker 8: BoxeLocker 9: BoxeLocker 10: BoxeLocker 11: Boxes	True	 
23	2054_12	27-03-24 00:00:00	Nombre de casier = 11 Locker 1:1 BoxeLocker 2: 1 BoxeLocker 3: BoxeLocker 4: BoxeLocker 5: BoxeLocker 6: BoxeLocker 7: BoxeLocker 8: BoxeLocker 9: BoxeLocker 10: BoxeLocker 11: Boxes	False	 

the seller can view and confirm customer orders

MauApp1								
Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved
7655456	7654567	100	100	100	No color	739	35	0
aaaa	aaaa	1	12	14	White	171	125	0
Angle Iron	COR106BL	2	52	0	White	866	0	0
Angle Iron	COR106BR	2	52	0	Marron	762	0	0
Angle Iron	COR106NR	2	52	0	Black	719	0	0
Angle Iron	COR127BL	3	42	0	White	817	0	0
Angle Iron	COR127BR	3	42	0	Marron	1333	0	0
Angle Iron	COR127GL	3	42	0	Galva	823	0	0
Angle Iron	COR127NR	3	42	0	Black	856	0	0
Angle Iron	COR128BL	4	32	0	White	720	0	0
Angle Iron	COR128BR	4	32	0	Marron	721	0	0
Angle Iron	COR128GL	4	32	0	Galva	701	0	0
Angle Iron	COR128NR	4	32	0	Black	731	0	0
Angle Iron	COR157BL	3	52	0	White	227	0	0
Angle Iron	COR157BR	3	52	0	Marron	670	0	0
Angle Iron	COR157GL	3	52	0	Galva	649	0	0
Angle Iron	COR157NR	3	52	0	Black	448	0	0
Angle Iron	COR159BL	5	32	0	White	806	0	0
Angle Iron	COR159BR	5	32	0	Marron	1064	0	0
Angle Iron	COR159GL	5	32	0	Galva	1074	0	0
Angle Iron	COR159NR	5	32	0	Black	817	0	0
Angle Iron	COR168BL	4	42	0	White	1260	0	0
Angle Iron	COR168BR	4	42	0	Marron	817	0	0
Angle Iron	COR168GL	4	42	0	Galva	1069	0	0
Angle Iron	COR168NR	4	42	0	Black	470	0	0
Angle Iron	COR190BL	6	32	0	White	367	0	0
Angle Iron	COR190BR	6	32	0	Marron	912	0	0
Angle Iron	COR190GL	6	32	0	Galva	1021	0	0
Angle Iron	COR190NR	6	32	0	Black	391	0	0

the stock keeper can have a global view of the stock like the manager

MauiApp1

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	Filtre	Filter
7655456	7654567	100	100	100	No color	739	35	0	▲	
Id Supplier Price Supplier Delay Supplier Stock available Stock ordered Stock reserved Minimum stock										
2	80	2	700	0	0	0	10	0	▼	
3	200	6	39	35	0	0	35	0	▼	
aaaa	aaaa	1	12	14	White	171	125	0	▼	
Angle iron	COR106BL	2	52	0	White	866	0	0	▼	

he can also have a more detailed view

MauiApp1

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	Filtre	Filter
7655456	7654567	100	100	100	No color	739	35	0	▲	
Id Supplier Price Supplier Delay Supplier Stock available Stock ordered Stock reserved Minimum stock										
2	80	2	700	0	0	0	10	0	▼	
3	200	6	39	35	0	0	35	0	▼	
aaaa	aaaa	1	12	14	White	171	125	0	▼	
Angle iron	COR106BL	2	52	0	White	866	0	0	▼	
Angle iron	COR106BR	2	52	0	Marron	762	0	0	▼	

but he can only edit the stock available, the stock reserved and the minimum stock as we can see when the costumer orders a cabinet

MauiApp1

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	Filtre	Disconnect
7655456	7654567	100	100	100	No color	1539	35	0		
Stock Orders										
Id Supplier		Price Supplier	Delay Supplier	Stock available	Stock ordered	Stock reserved	Minimum stock			
1	70	5		800	0	0	5	0	✓	
2	80	2		700	0	0	10	0	☒	
3	200	6		39	35	0	35	0	☒	
aaaa	aaaa	1	12	14	White	171	125	0	▼	
Angle iron	COR106BL	2	52	0	White	866	0	0	▼	
Angle iron	COR106BR	2	52	0	Marron	762	0	0	▼	
Angle iron	COR106NR	2	52	0	Black	719	0	0	▼	
Angle iron	COR127BL	3	42	0	White	817	0	0	▼	
Angle iron	COR127BR	3	42	0	Marron	1333	0	0	▼	
Angle iron	COR127GL	3	42	0	Galva	823	0	0	▼	
Angle iron	COR127NR	3	42	0	Black	856	0	0	▼	
Angle iron	COR128BL	4	32	0	White	720	0	0	▼	
Angle iron	COR128BR	4	32	0	Marron	721	0	0	▼	

by clicking here he can see the status of orders placed with suppliers

MauiApp1

Commands To Supplier

Code	Id Supplier	Price	Delay	Quantity
Order n°1712931524				
aaaa	1	43.25	1	30
aaaa	4	11.21	3	50
aaaa	10	23.12	7	25
Order n°1714758142				
aaaa	3	12.2	4	20
Order n°1715018881				
COR208BR	1	1.14	11	99
COR35BL	3	0.23	9	69
Order n°1715023168				
COR208NR	3	0.88	13	42
COR208NR	6	1.25	6	78
Order n°1715027601				
COR35BR	5	0.24	6	29
COR45BL	2	0.3	9	55
Order n°1715029503				
				Disconnect

we can see that all the orders are received

the secretary also has an overall view of the stock and can update some data of suppliers

MauiApp1

Reference	Code	Length	Height	Depth	Color	Stock Available	Stock Ordered	Stock Reserved	
Id Supplier Price Supplier Delay Supplier Stock available Stock ordered Stock reserved Minimum stock									
7655456	7654567	100	100	100	No color	65	50	0	
2	80	2	6		0	0	10		
3	200	6	39		35	0	35		
42	53	4	20		15	0	15		
aaaa	aaaa	1	12	14	White	171	125	0	
Angle iron	COR106BL	2	52	0	White	866	0	0	
Angle iron	COR106BR	2	52	0	Marron	762	0	0	

but she can only modify the price supplier, the delay supplier and the minimum stock

she can also delete a supplier