Software Engineering
Rapport

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1 Introduction

This is our report of our project in software engineering.

2 activity diagramme

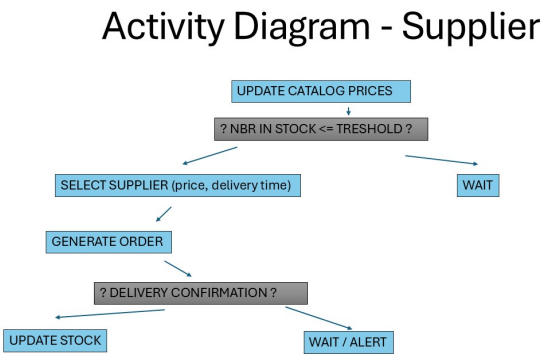

Figure 1: first image

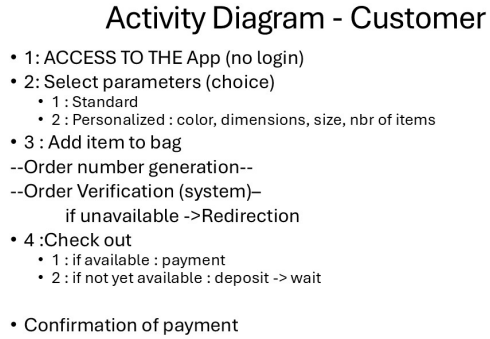

Figure 2: second image

3 Use case diagramme

4 user state diagram

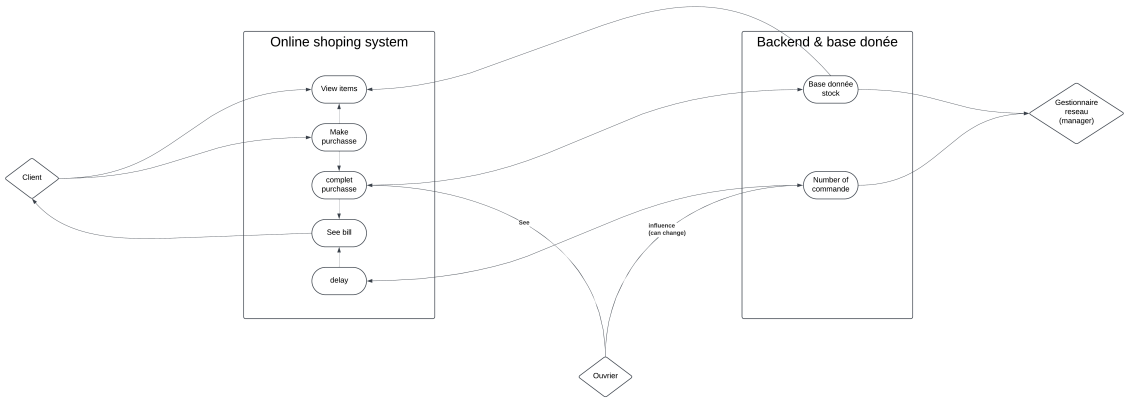

Figure 3: User State Diagram

5 User stories

Here is a sample of user stories: we have made and the conclusion.

user story 1 : As a customer, I want to configure a cabinet with customizable dimensions, colors, and optional doors, so that I can place my order accurately and ensure compatibility of parts before visiting the store.

Acceptance criteria :

- design and configuration
  - The customer can select the number of lockers (up to 7).
  - The customer can specify the dimensions (height, width, depth) of each locker, based on catalog constraints.
  - The customer can choose colors for panels, doors, and angle irons from the catalog.
  - Compatibility rules (e.g., maximum door dimensions, height of angle irons) are validated automatically by the application.
- order verification
  - The system prevents incorrect configurations (e.g., incompatible parts).
  - The application displays real-time availability of parts in stock.
  - If parts are out of stock, the system prompts the user to pay a deposit and provides an estimated availability date
- Invoice and Payment
  - The application generates an invoice for the customer upon confirmation.
  - Payment options include deposit for out-of-stock items and full payment on receipt of parts.
- Future-Proof Architecture:
  - The system supports future additions of components (e.g., shelves, drawers) without modifying existing functionality

user story 2 :As a shop manager, I want to oversee the order process, manage stock levels, and ensure supplier pricing and delivery are optimized, so that customer orders are fulfilled accurately and efficiently.

some of user story we will not describ but we considered

- blablabla

6 Relationship entity diagram

7 Class diagram and sequence diagramme

8 User manual

9 Backend

We used mariadb with our servers given by ECAM.

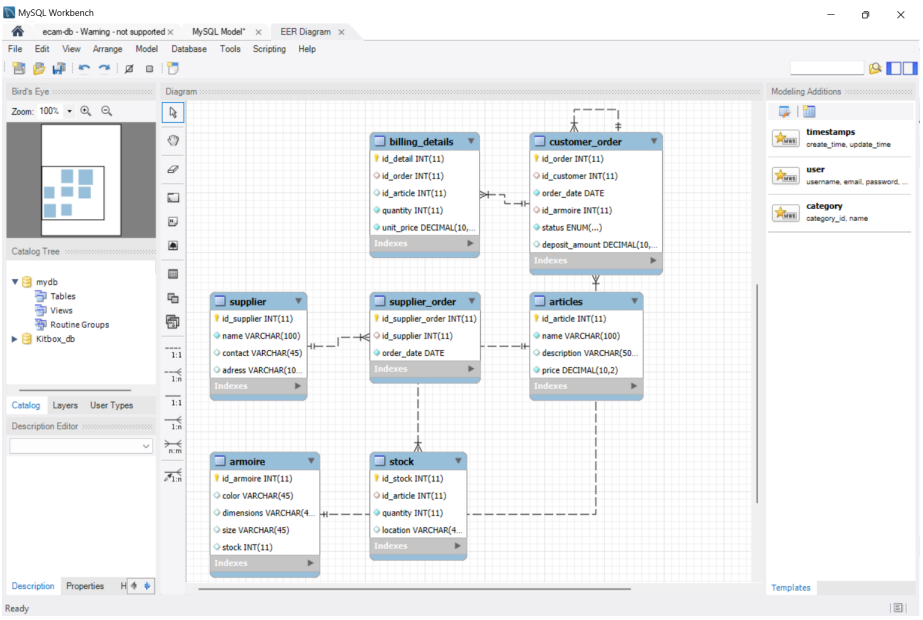

Figure 4: Backend Architecture

10 Link

Github Project
report LaTeX

11 Conclusion