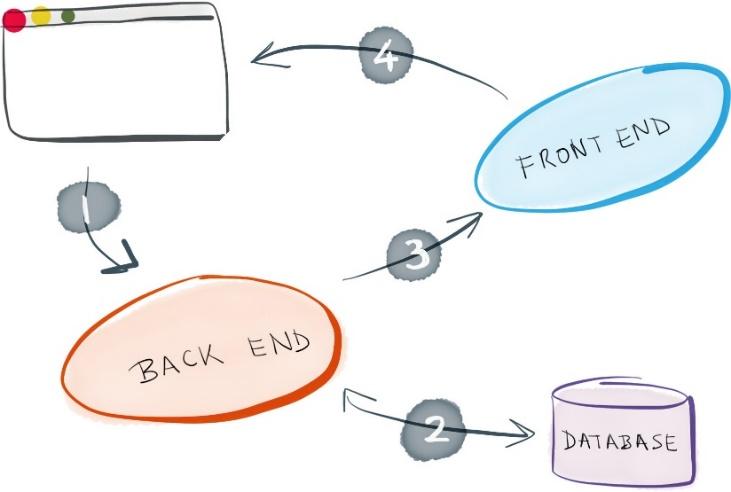
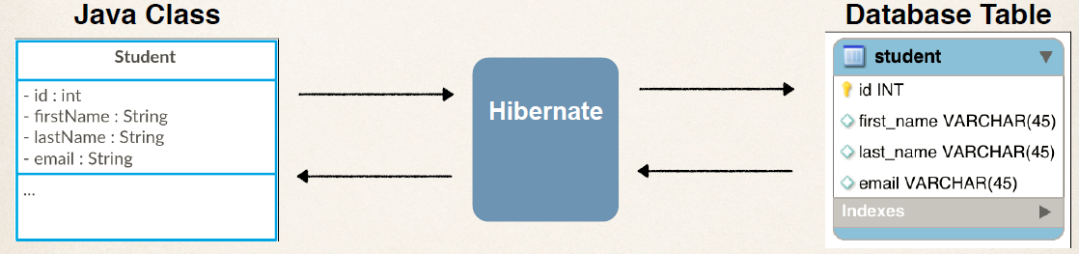
**Nhóm 29**

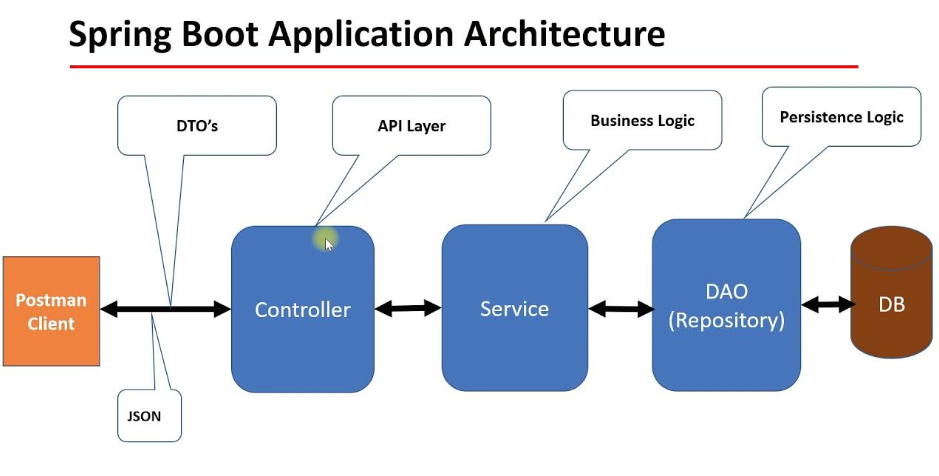
1. **Thiết kế hệ thống**
   1. **Phác thảo mô hình công nghệ ứng dụng**



**Backend : Spring Boot**

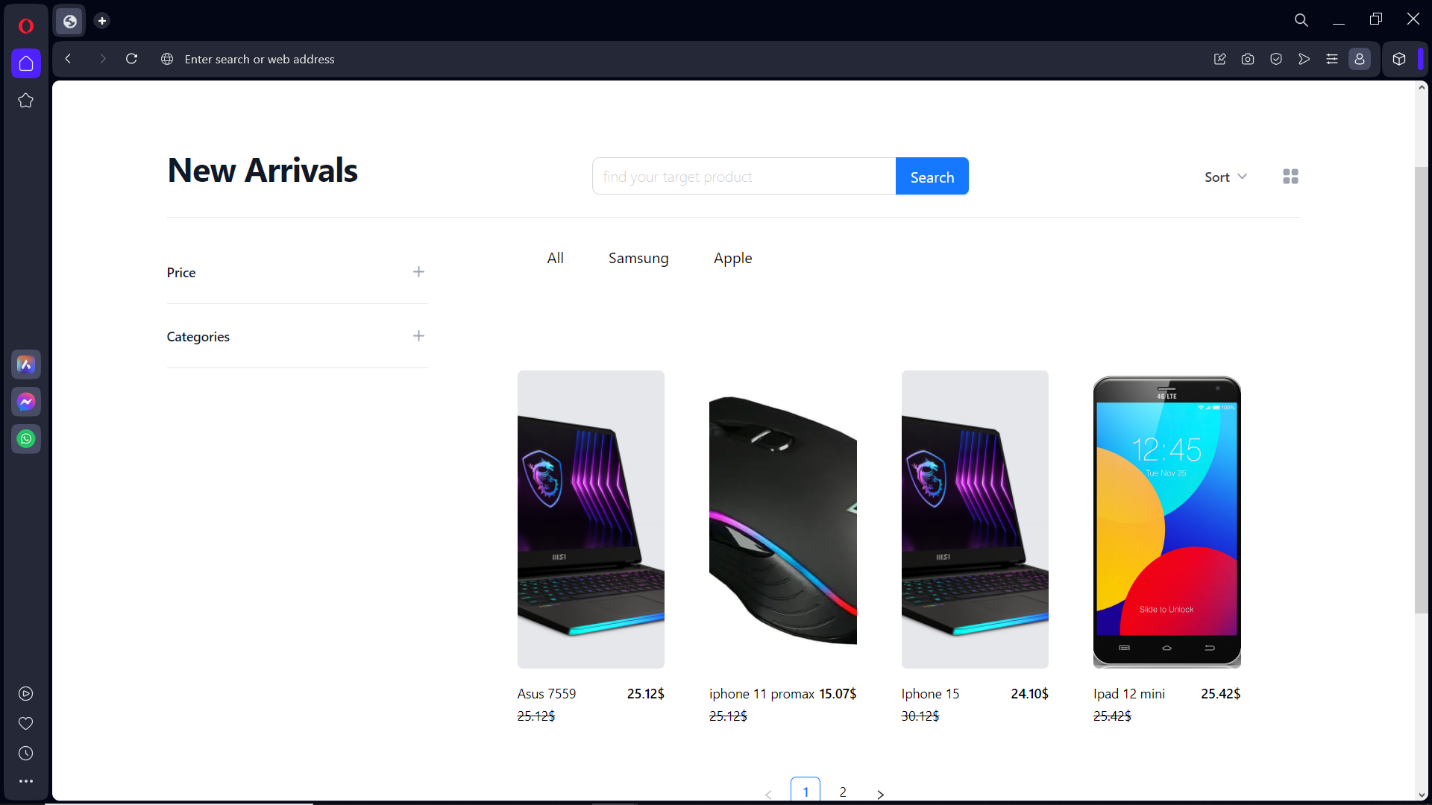


**Kiến trúc spring boot**

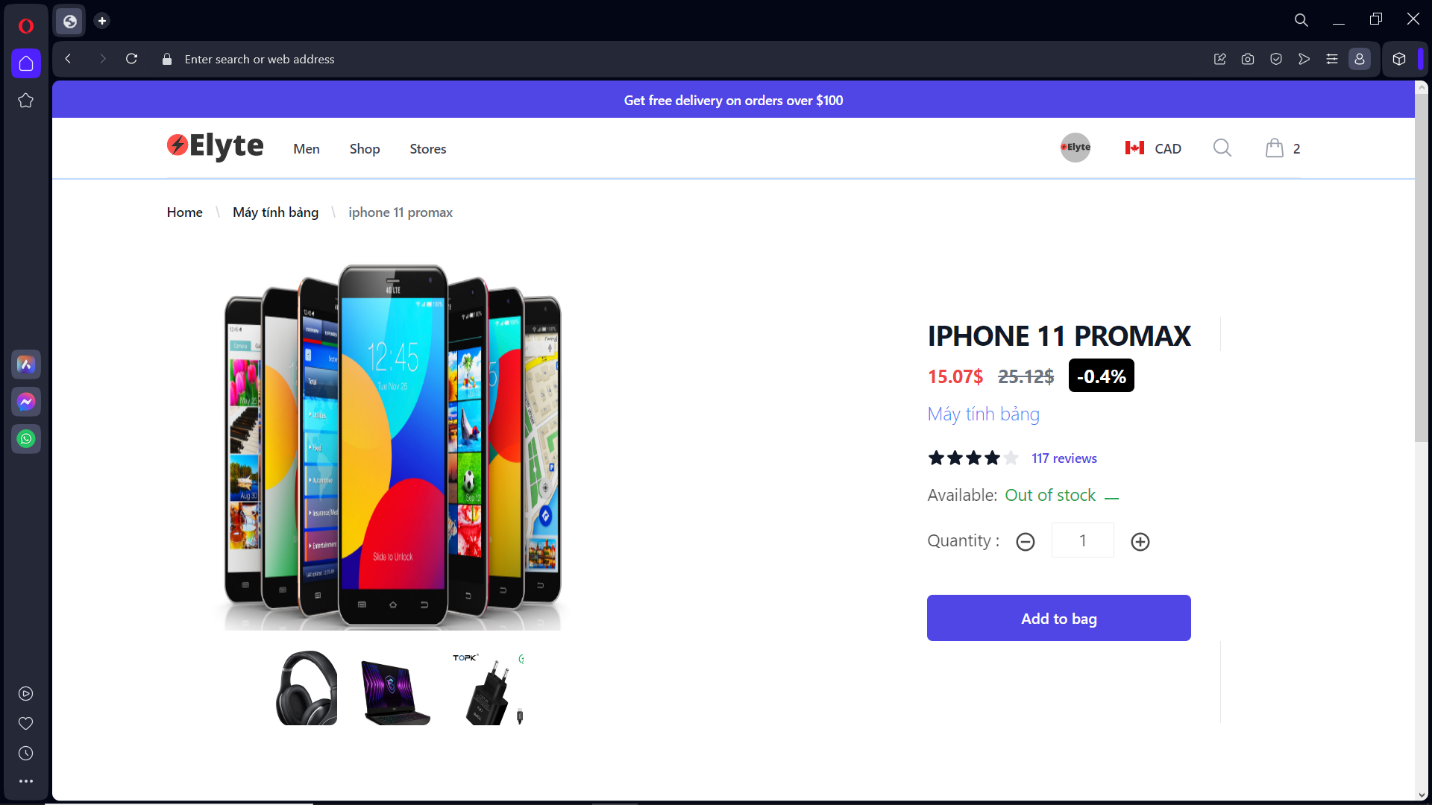


* 1. **Thiết kế giao diện**

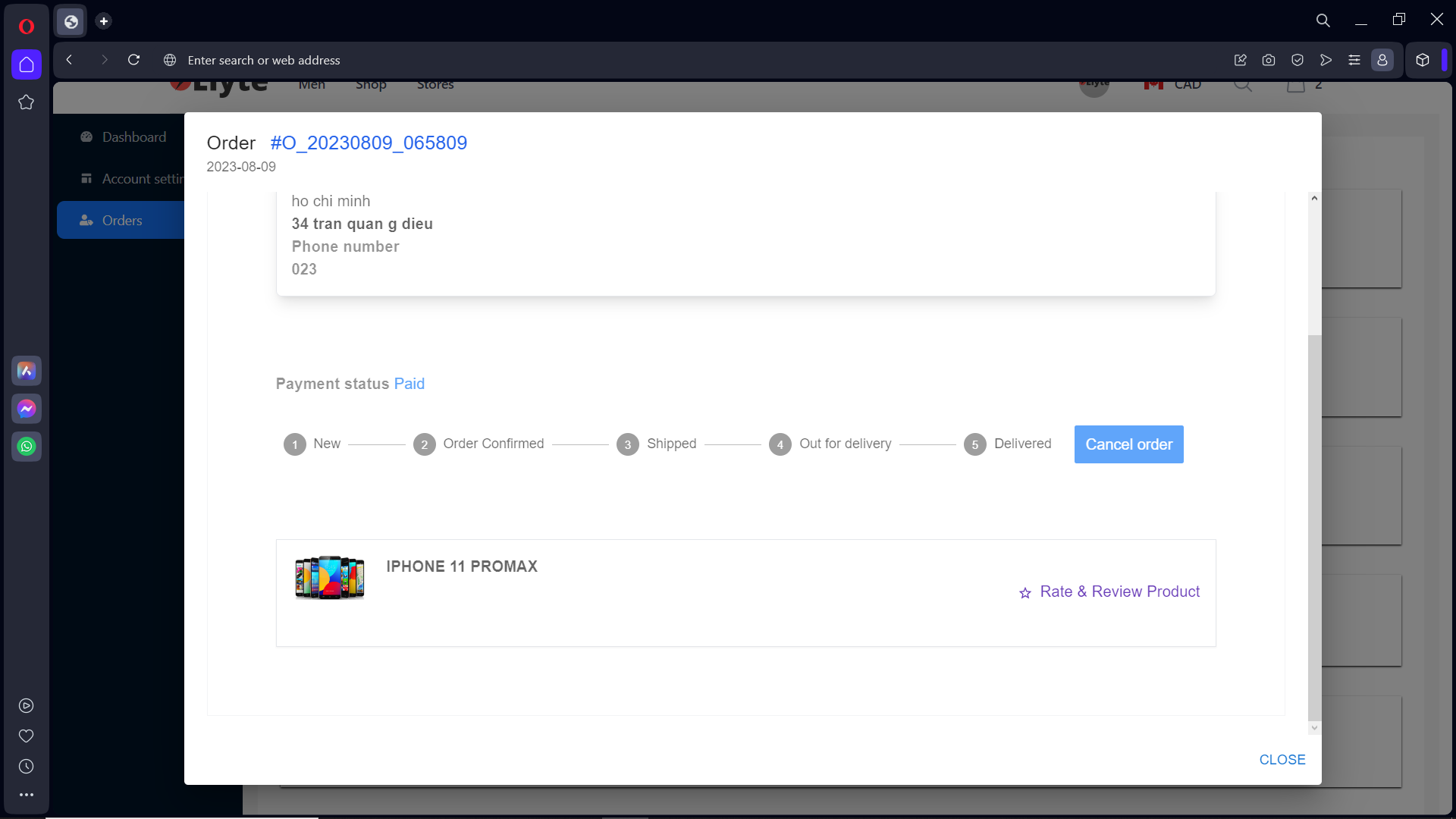
**Product Based Category UI**



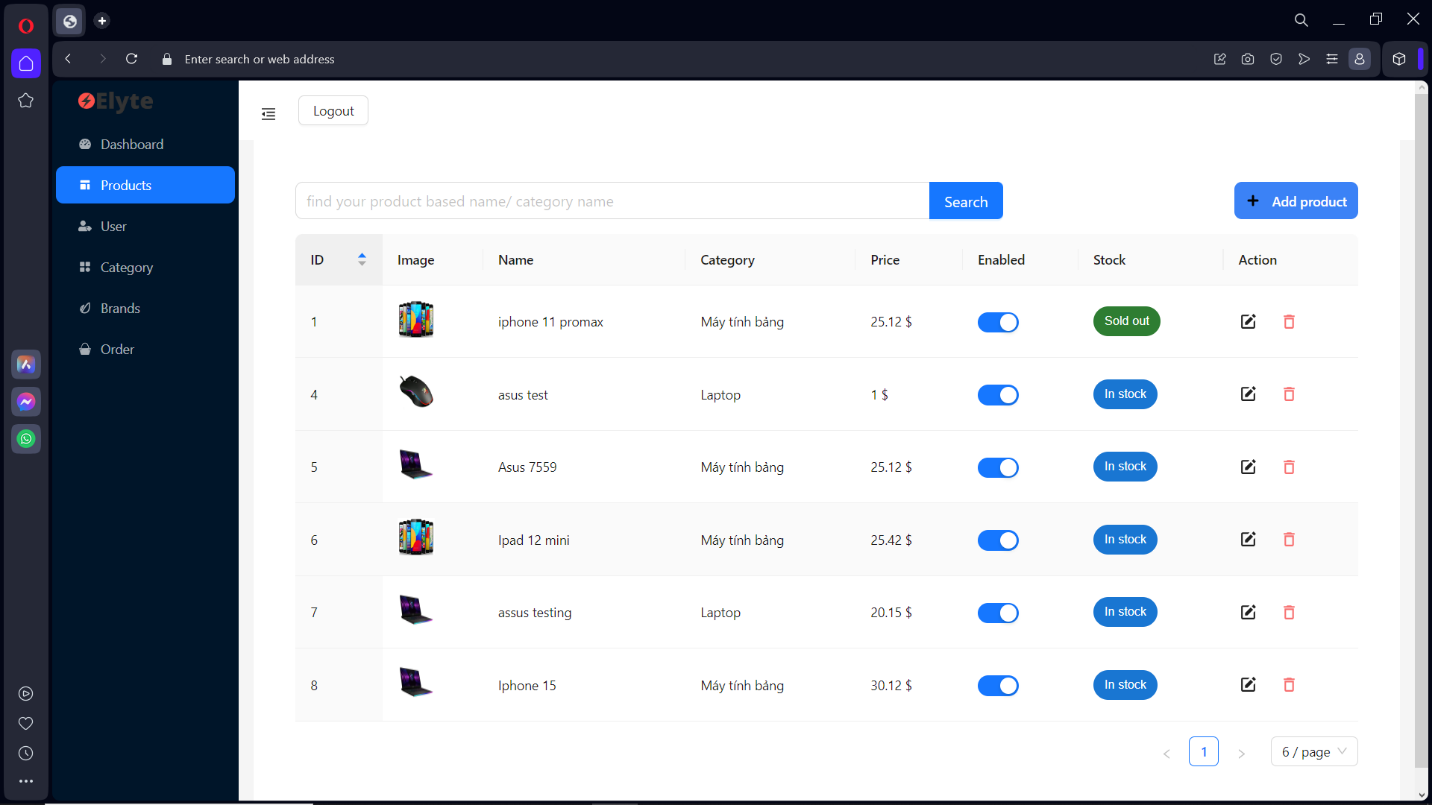
**Product Detail Page**



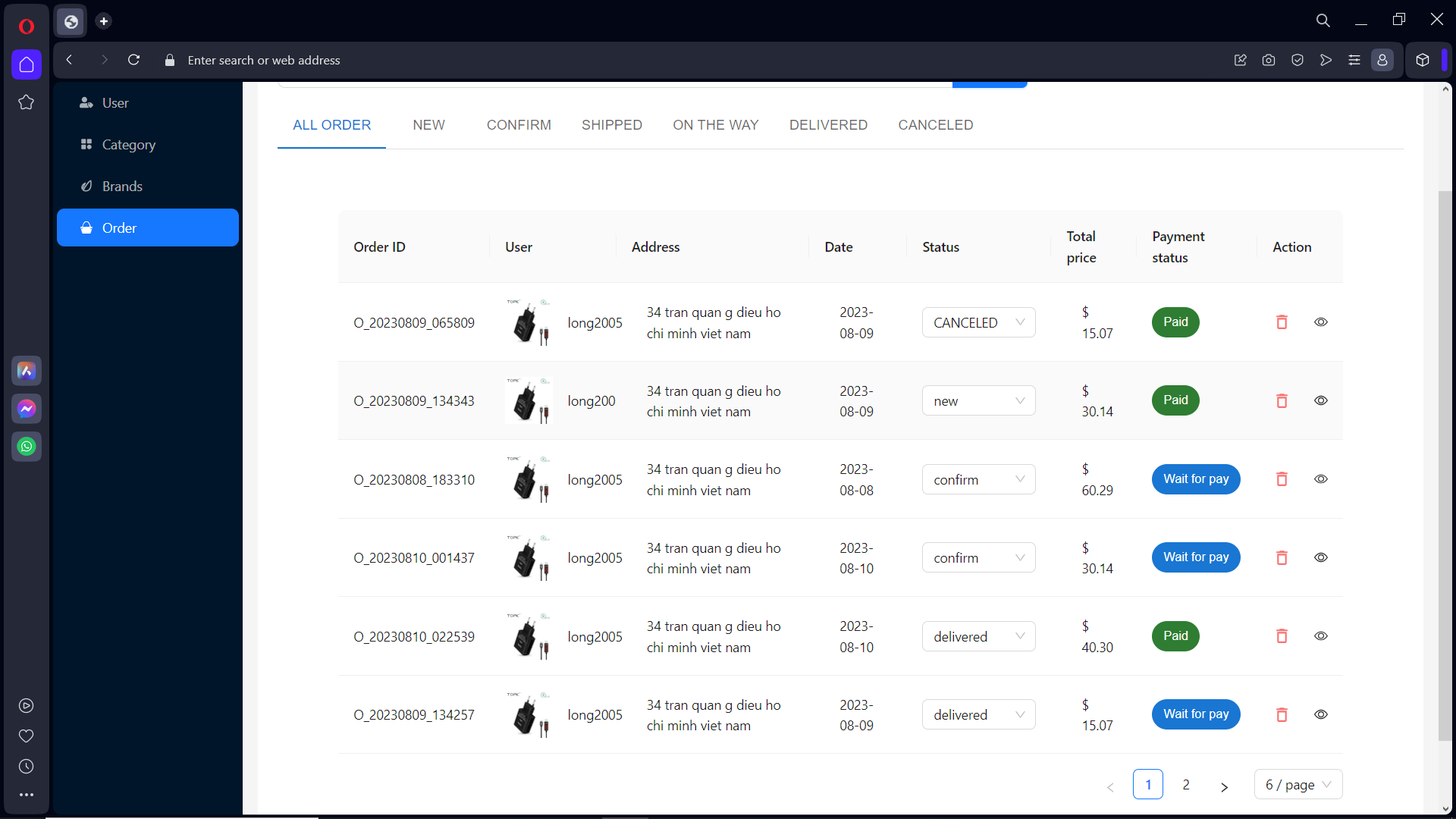
Order Management



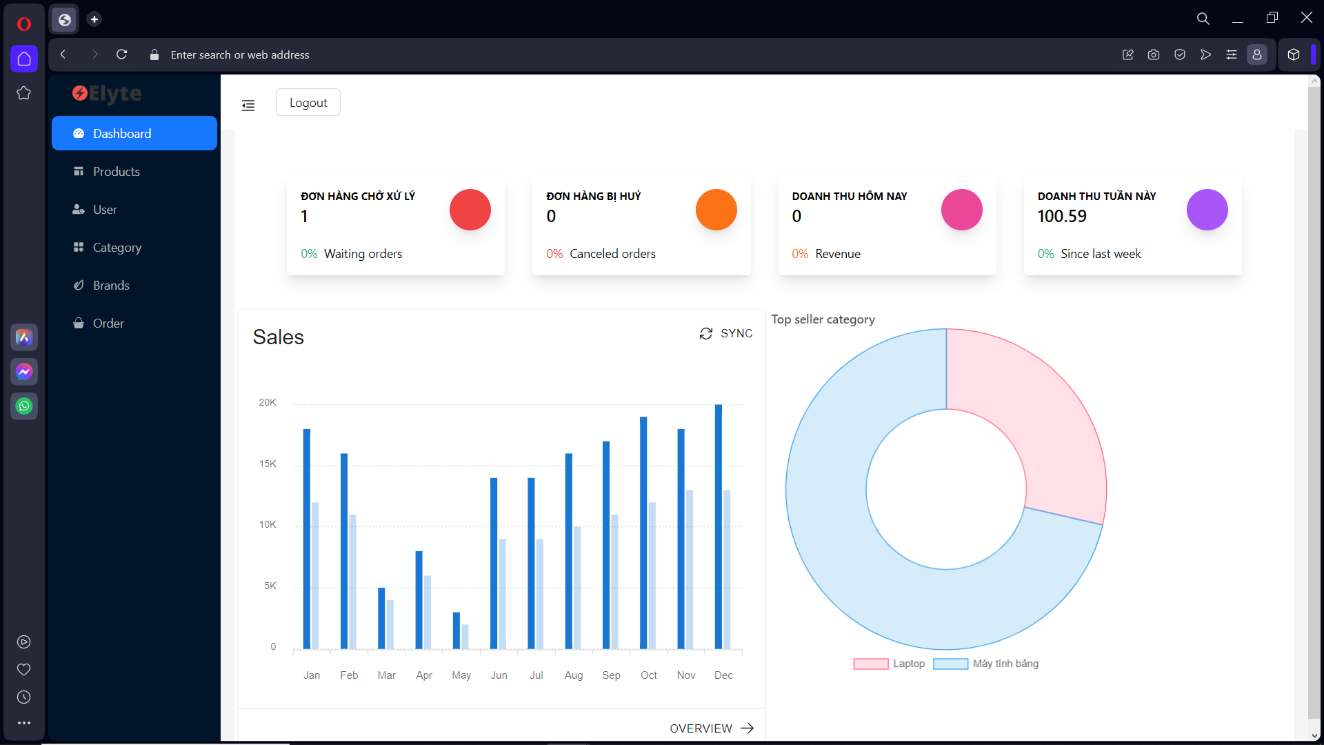
Admin Management



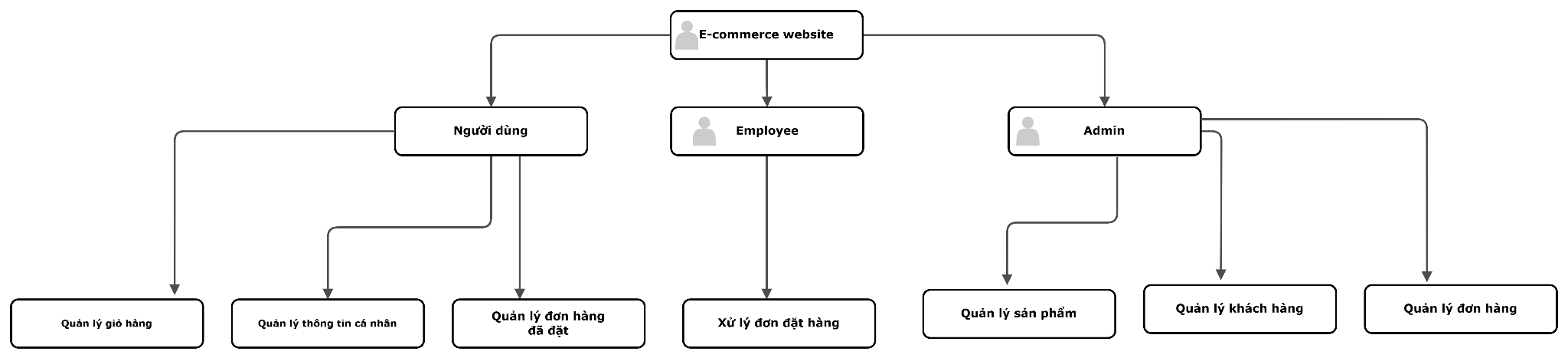
Order Management



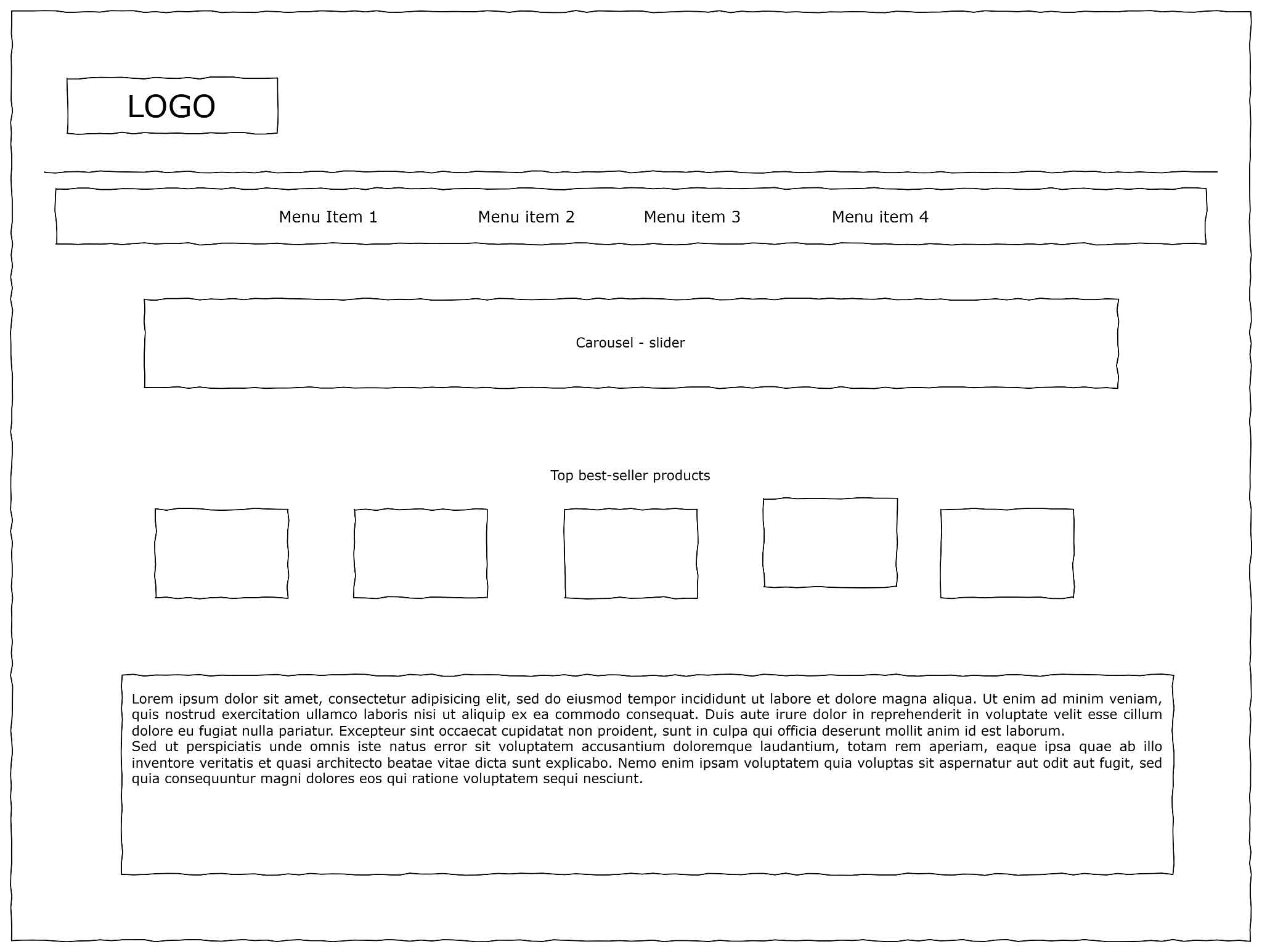
Dashboard overview



* 1. Phác thảo sơ đồ tổ ứng dụng

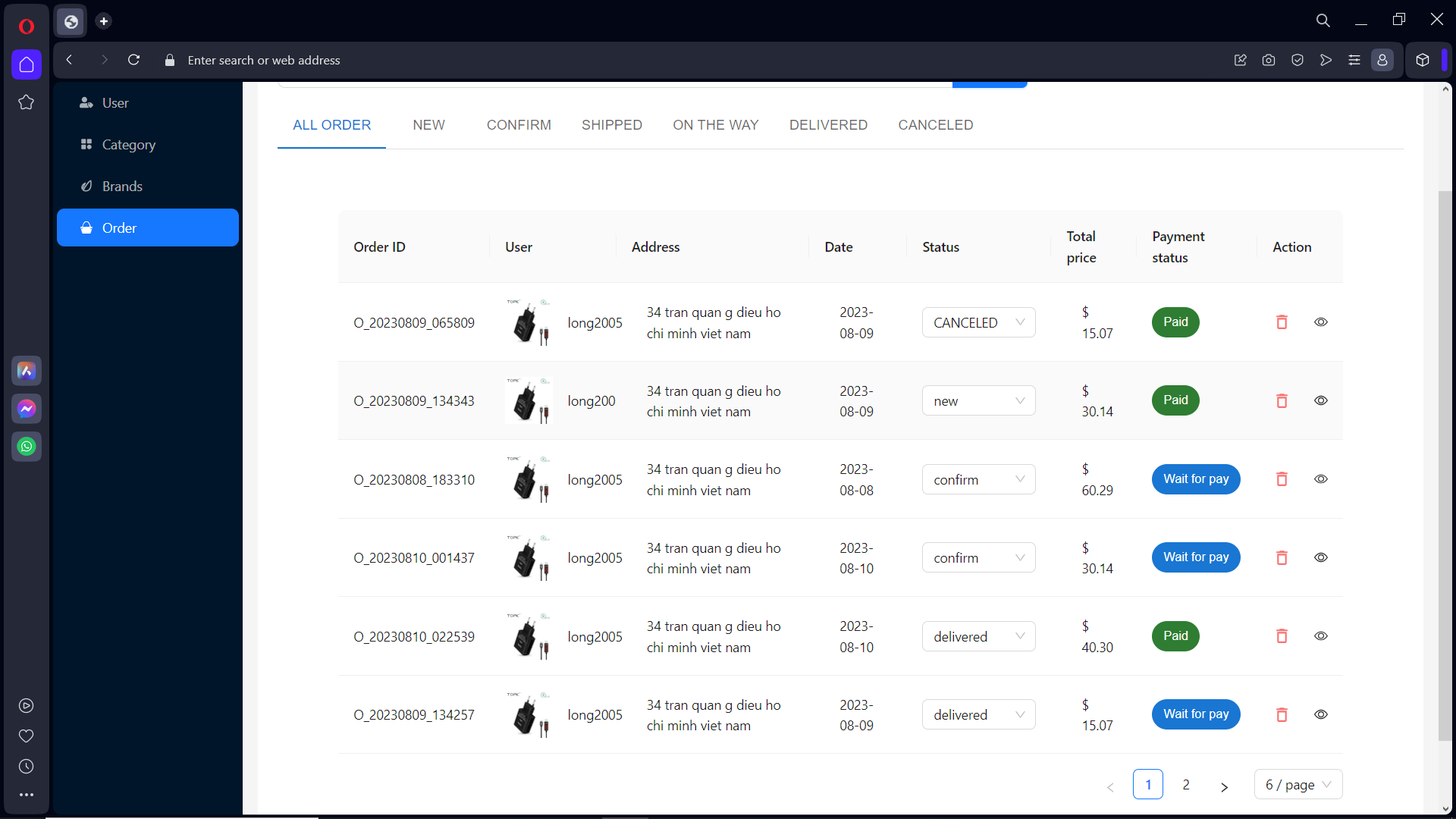


* 1. Phác thảo layout

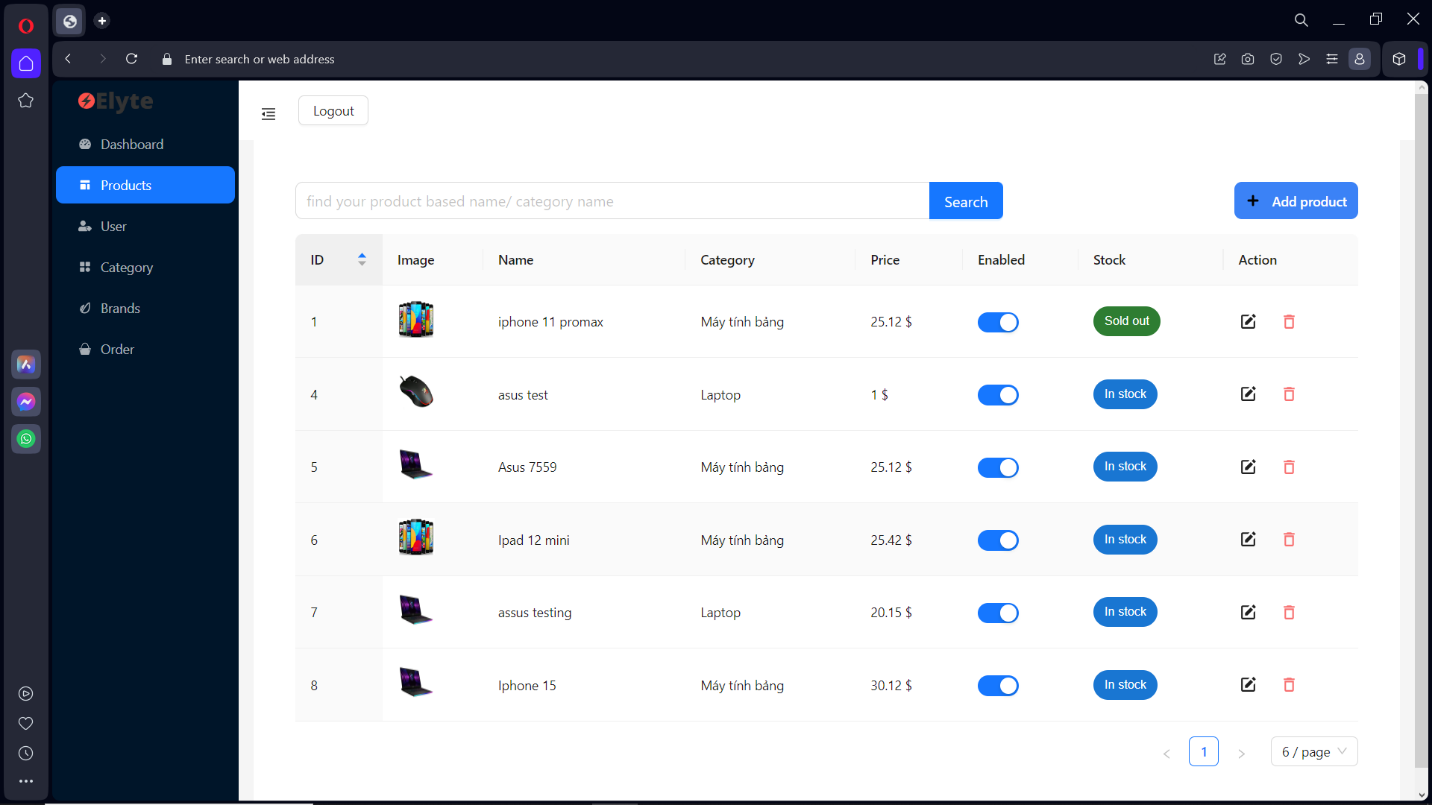


* 1. **Phác thảo các giao diện chức năng**

Giao diện quản lý đơn hàng



Giao diện quản lý sản phẩm



* 1. **Thiết kế cơ sở dữ liệu**
* Bảng : **role**

**role** (id, name, description)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STT | Tên trường | Kiểu | Diễn giải | UK | PK | FK | Not Null |
| 1 | id | Long | Mã quyền |  | X |  | X |
| 2 | name | nvarchar(20) | Tên quyền | X |  |  | X |
| 3 | description | varchar(255) | Mô tả quyền |  |  |  |  |

*Bảng 3. 1 Date role table description*

* Bảng **user**

**user**(id, email, username, password, enabled)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STT | Tên trường | Kiểu | Diễn giải | UK | PK | FK | Not Null |
| 1 | Id | Long | Mã |  | X |  | X |
| 2 | Email | varchar(255) | Email | X |  |  | X |
| 3 | Username | Varchar(255) | Tên đăng nhập |  |  |  | X |
| 4 | Password | Varchar(255) | Mật khâu |  |  |  | X |
| 5 | Enabled | Varchar(255) | Trạng thái tài khoản |  |  |  | X |

*Bảng 3. 2. User data table description*

* Bảng **category**

**category** (id, category\_name, enabled,image\_url)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STT | Tên trường | Kiểu | Diễn giải | UK | PK | FK | Not Null |
| 1 | id | Long | Mã thể loại |  | X |  | X |
| 2 | name | varchar(255) | Tên thể loại | X |  |  | X |
| 3 | Image\_url | varchar(255) | Hình ảnh |  |  |  | X |
| 5 | Created\_timestamp | datetime | Thời gian tạo |  |  |  | X |
| 6 | Enabled | boolean | Trạng thái |  |  |  | X |

*Bảng 3. 3 Category data table description*

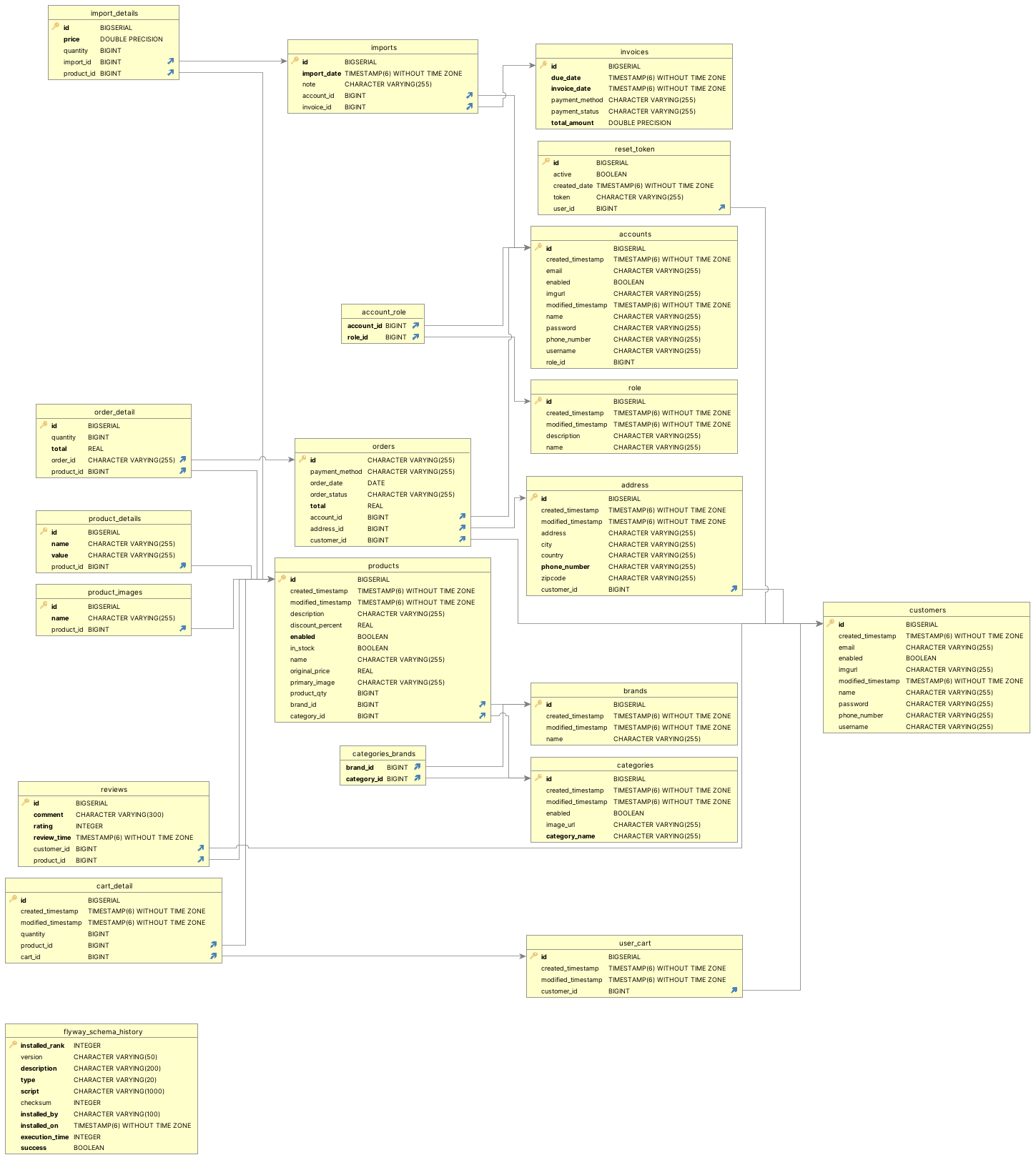
* Bảng **brand**

**brand** (id, name, created\_at)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| STT | Tên trường | Kiểu | Diễn giải | UK | PK | FK | Not Null |
| 1 | id | .long | Mã thương hiệu |  | X |  | X |
| 2 | name | varchar(255) | Tên thương hiệu | X |  |  | X |

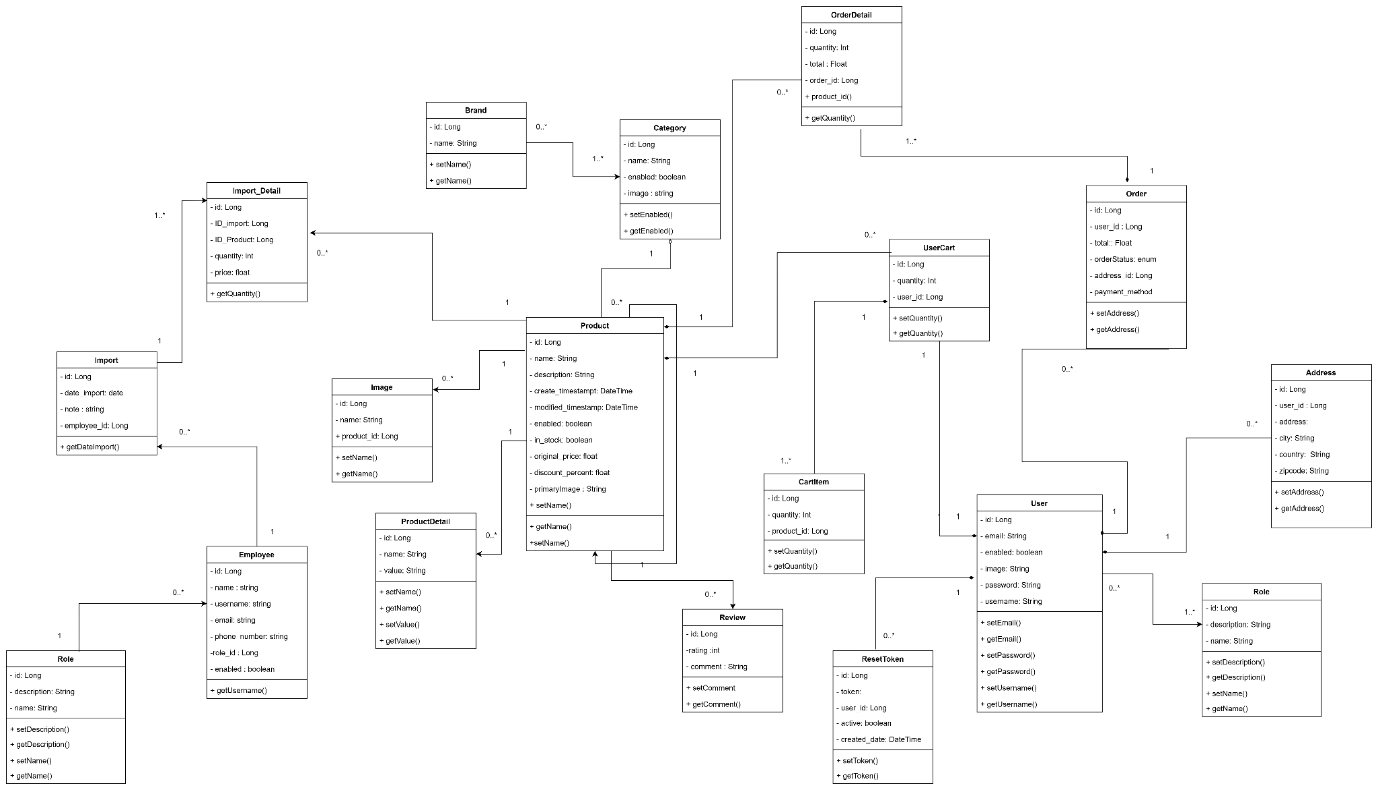
*Bảng 3. 3 Category data table description*

* 1. Thiết kế sơ đồ ERD



* 1. Thiết kế chi tiết thực thể
* **ACCOUNT**(**id**, created\_timestamp, modified\_timestamp, username, password, email, name, phone\_number, imgurl, enabled)
* **ROLE** (**id**, created\_timestamp, modified\_timestamp, name, description)
* **ADDRESS** (**id,** created\_timestamp, modified\_timestamp, user\_id, address, city, country, zipcode, phone\_number)
* **USER\_CART** (**id**, created\_timestamp, modified\_timestamp, user\_id)
* **CART\_DETAIL**(**id**, created\_timestamp, modified\_timestamp, quantity, cart\_id, product\_id)
* **PRODUCTS**(**id**, created\_timestamp, modified\_timestamp, name, primary\_image, enabled, original\_price, discount\_percent, brand\_id, category\_id, description, in\_stock, product\_qty)
* **PRODUCT\_DETAILS**(**id**, name, value, product\_id)
* **PRODUCT\_IMAGES**(**id**, name, product\_id)
* **BRANDS** (**id,** created\_timestamp, modified\_timestamp, name)
* **CATEGORIES**(**id,**created\_timestamp, modified\_timestamp, category\_name, enabled, image\_url)
* **ORDERS**(**id,** created\_timestamp, customer\_id, account\_id, order\_date, total, order\_status, address\_id, payment\_method)
* **ORDER\_DETAIL**(**id,** product\_id, quantity, total, order\_id)
* **RESET\_TOKEN** (**id**, token, user\_id, active, created\_date)
* **REVIEWS**(**id**, headline, comment, rating, votes, review\_time, product\_id, customer\_id)
* **IMPORT**(**id**,date\_import,customer\_id, note)
* **IMPORT\_DETAIL**(**id**, ID\_Import, ID\_Product, quantity, price )
* **CUSTOMER**(**ID**, name, username, email, phone\_number, password, enabled)

* 1. Thiết kế class diagram



https://app.diagrams.net/#G198y9SgdqgGtYewM-GBlBJLSVtUfAN\_D8