# Thẻ CRC

## Admin

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| Front:   |  |  |  |  | | --- | --- | --- | --- | | Class name: Admin | ID: 1 | | Type: Concrete, Domain | | Description: Là một nhân viên và có quyền đăng nhập vào hệ thống, được truy cập với từng quyền hạn cụ thể của mỗi admin | | | Associated use Cases: 1 | | Responsibilities | | Collaborators | | | - TimkiemKH  - XoaKH  - Thongke | | Liên kết | |   Back:   |  |  |  | | --- | --- | --- | | Attributes:   * MaAD * TenAD | |  | | Relationships:  Generalization (a-kind-of):  Aggregation (has-parts):  Other associations: | -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  ------------------------------------------------------------------------------------  ----------------------------------------------------------------------------------------- | | |

## Khách hàng

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| Front:   |  |  |  |  | | --- | --- | --- | --- | | Class name: Khachhang | ID: 2 | | Type: Concrete, Domain | | Description: Là người bán hàng , mua hàng | | | Associated use Cases: 2 | | Responsibilities | | Collaborators | | | * **ThemSP** * **XoaSP** * **Sua** * **TimkiemSP** | | * Liên kết | |   Back:   |  |  |  | | --- | --- | --- | | Attributes:   * **MaKH** * **TenKH** | |  | | Relationships:  Generalization (a-kind-of):  Aggregation (has-parts):  Other associations: | -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------  ----------------------------------------------------------------------------------------- | | |

## Thông tin

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| Front:   |  |  |  |  | | --- | --- | --- | --- | | Class name: Thông tin | ID: 3 | | Type: Concrete, Domain | | Description: Dành cho admin và khách hàng | | | Associated use Cases:  2 | | Responsibilities | | Collaborators | | | * **Log\_in** * **Change\_pass** * **Change\_info** | | * Liên kết | |   Back:   |  |  |  | | --- | --- | --- | | Attributes:   * **Username** * **Password** * **Hoten** * **Gioitinh** * **Diachi** * **Sdt** * **Tuoi** | |  | | Relationships:  Generalization (a-kind-of):  Aggregation (has-parts):  Other associations: | -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  ---------------------------------------------------------------------  ----------------------------------------------------------------------------------------- | | |

## Hóa đơn

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| Front:   |  |  |  |  | | --- | --- | --- | --- | | Class name: Hoadon | ID: 4 | | Type: Concrete, Domain | | Description: Dùng để xác nhận giao dịch, mua bán sản phẩm | | | Associated use Cases: 5 | | Responsibilities | | Collaborators | | | * **ThemHD** * **SuaHD** * **XoaHD** | | * Liên kết * Kế thừa | |   Back:   |  |  |  | | --- | --- | --- | | Attributes:   * **MaHD** * **MaSP** * **MaKH** * **Soluong** * **Tongtien** * **Ngayban** | |  | | Relationships:  Generalization (a-kind-of):  Aggregation (has-parts):  Other associations: | -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  ----------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------  ----------------------------------------------------------------------------------------- | | |

## Sản phẩm

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| Front:   |  |  |  |  | | --- | --- | --- | --- | | Class name: Sản phẩm | ID: 5 | | Type: Concrete, Domain | | Description: Thông tin về sản phẩm | | | Associated use Cases: 1 | | Responsibilities | | Collaborators | | | * **ThemSP** * **SuaSP** * **XoaSP** | | * Tổng quát hóa * Kế thừa | |   Back:   |  |  |  | | --- | --- | --- | | Attributes:   * **MaSP** * **TenSP** * **Gia** * **SoluongSP** | |  | | Relationships:  Generalization (a-kind-of):  Aggregation (has-parts):  Other associations: | -------------------------------------------------------------------------------------------- --------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  -----------------------------------------------------------------------------------------  ----------------------------------------------------------------------------------------- | | |

BIỂU ĐỒ LỚP

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| **Thông tin** |
| - Username: char  - Password: char  - Hoten: char  - Gioitinh: char  -Tuoi: char  - Sdt: char |
| +log\_in()  +Change\_pass()  + Change\_info() |

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| **Khách hàng** |
| - MaKH: char  -TenKH: char |
| +Them()  +Sua()  +Xoa()  +TimkiemSP() |

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| **Hóa đơn** |
| -MaHD: char  -MaSP: char  -MaKH: char  -Soluong: int  -Tongtien: double  -Ngayban: datetime |
| +Them()  +Sua()  +Xoa() |

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| **Sản phẩm** |
| -MaSP  -TenSP  -Soluong  -Gia |
| +ThemSP()  +XoaSP()  +SuaSP() |

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| **Admin** |
| -MaAD: char  -TenAD: char |
| +Them()  +Sua()  +Xoa()  +Thongke() |