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| TaiKhoan | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **MaTaiKhoan** | User’s ID. Each user has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| TenDangNhap | User’s username | varchar | 30 | NOT NULL |
| MatKhau | User’s password | varchar | 60 | NOT NULL |
| idHocSinh | Student’s ID | varchar | 10 | NOT NULL |

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| HocSinh | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idHocSinh** | Student’s ID. Each student has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| TenHocSinh | Student’s name | nvarchar | 100 | NOT NULL |
| GioiTinh | Student’s gender | nvarchar | 10 | NOT NULL |
| DiaChi | Student’s address | nvarchar | 255 | NOT NULL |
| NgaySinh | Student’s date of birth | date |  | NOT NULL |
| TheSinhVien | Student’s student ID | varchar | 10 | NOT NULL |
| SoDienThoai | Student’s phone number | varchar | 20 | NOT NULL |
| TenNguoiThan | Student’s recipient name | nvarchar | 100 | NOT NULL |
| SoDienThoaiNguoiThan | Student’s recipient phone number | varchar | 20 |  |
| SoTien | User’s amount | bigint | DECIMAL(15,2) | NOT NULL |

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| Ve | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idVe** | Ticket’s ID. Each ticket has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| idHocSinh | Student’s ID | varchar | 10 | NOT NULL |
| NgayDatVe | Ticket’s reservation date | datetime |  | NOT NULL |
| NgayDi | Ticket’s departure date | datetime |  | NOT NULL |
| GiaVe | Ticket’s price | bigint | DECIMAL(10,2) | NOT NULL |
| idNhanVien | Employee’s ID | varchar | 10 | NOT NULL |
| idXe | Vehicle’s ID | varchar | 10 | NOT NULL |
| idChuyenDi | Trip’s ID | varchar | 10 | NOT NULL |
| idKhuyenMai | Promotion’s ID | varchar | 10 | NOT NULL |
| idPhuongThucThanhToan | Payment method’s ID | varchar | 10 | NOT NULL |

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| KhuyenMai | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idKhuyenMai** | Promotion’s ID. Each promotion has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| TenKhuyenMai | Promotion’s name | nvarchar | 100 | NOT NULL |
| NgayBatDau | Promotion’s start date | date |  | NOT NULL |
| NgayKetThuc | Promotion’s end date | date |  | NOT NULL |
| TyLeGiamGia | Promotion’s discount rate | int |  | NOT NULL |

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| PhuongThucThanhToan | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idPhuongThuc** | Payment method’s ID. Each payment method has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| TenPhuongThuc | Payment method’s name | nvarchar | 100 | NOT NULL |

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| NhanVien | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idNhanVien** | Employee’s ID. Each employee has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| TenNhanVien | Employee’s name | nvarchar | 100 | NOT NULL |
| GioiTinh | Employee’s gender | nvarchar | 10 | NOT NULL |
| DiaChi | Employee’s address | nvarchar | 255 | NOT NULL |
| CCCD | Employee’s citizen ID | varchar | 20 | NOT NULL |
| NgaySinh | Employee’s date of birth | date |  | NOT NULL |
| SoDienThoai | Employee’s phone number | varchar | 20 | NOT NULL |
| idLoaiNhanVien | Employee type’s ID | varchar | 10 | NOT NULL |
| Luong | Employee’s alary | bigint | DECIMAL(15,2) | NOT NULL |
| BangCap | Employee’s qualification | nvarchar | 100 | NOT NULL |

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| LoaiNhanVien | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idLoaiNhanVien** | Employee type’s ID. Each employee type method has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| TenLoaiNhanVien | Employee type’s name | nvarchar | 20 | NOT NULL |

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| Xe | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idXe** | Vehicle’s ID. Each vehicle type method has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| LoaiXe | Vehicle’s Type | nvarchar | 50 | NOT NULL |
| BienSoXe | Vehicle’s license plate | varchar | 20 | NOT NULL |
| SoLuongGhe | Vehicle’s number of seats | int |  | NOT NULL |
| idChuyenDi | Trip’s ID | varchar | 10 | NOT NULL |

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| ChuyenDi | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idChuyenDi** | Trip’s ID. Each trip type method has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| idTuyen | Route’s ID | varchar | 10 | NOT NULL |
| TramXuatPhat | Trip’s departure station | varchar | 100 | NOT NULL |
| TramDen | Trip’s arrival station | varchar | 100 | NOT NULL |

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| Tuyen | | | | |
| Data Element | Description | Composition or Data Type | Length | Values |
| **idTuyen** | Route’s ID. Each route type method has a unique ID to identify it and its attributes | varchar | 10 | NOT NULL |
| GioXuatPhat | Route’s departure time | time |  | NOT NULL |
| GioDen | Route’s arrival time | time |  | NOT NULL |
| BenDi | Route’s departure stop | nvarchar | 100 | NOT NULL |
| BenDen | Route’s arrival stop | nvarchar | 100 | NOT NULL |
| NguoiPhuTrach(idNhanVien) | Route’s supervisor | nvarchar | 100 | NOT NULL |
| Ngay | Route’s departure day | date |  | NOT NULL |